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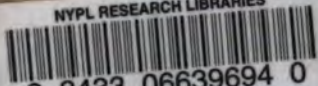
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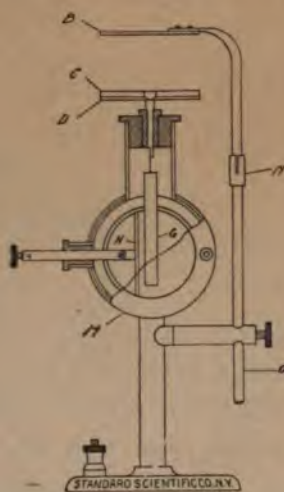
NEW YORK



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N65



N65



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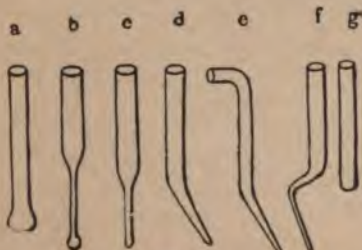
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155



85



120



115

CHEMICAL APPARATUS

N65 Stansico-Zeleny Oscillating Electroscope, for Radioactivity and Other Experiments in Ionization. Designed by Prof. John Zeleny, Yale University. Operates on the novel principle of a swinging leaf of thin foil, the period or rate of oscillation being a measure of the ionization. The sensitivity of the instrument can be varied over wide limits. Invaluable for the study of alpha, beta and gamma rays; conductivity of gases from flames; conductivity by chemical action, splashing water, etc. A special descriptive circular will be sent on request. Complete with attachments in wooden case, but without battery								60.00
10 Acid Pitchers, stoneware, with handle:								
Capacity, pints	1	2	4	8				
Each .....	.50	.65	.75	1.00				
15 Acid Jars or Pots of stoneware, round, with covers:								
Capacity, gallons	1	2	4	5	6	8		
Each	1.00	1.00	1.25	2.25	3.00	5.00		
20 Acid Siphon, Pneumatic, for handling acids from carboys. A valve is pressed downward, and with a few strokes of the pump, the liquid starts to flow. Release the valve and flow stops. The siphon is not affected by sulphuric acid								12.50
25 Acid Pump, for use with bottles and carboys with neck from 1¾ to 2¾ inside diameter, convenient for transferring acids or other corrosive liquids								8.00
27 Adapters—Straight form; light wall, lamp blown; for connecting retorts with receivers:								
Length, inches	6	7	8	10				
Inside diameter at large end, inches.....	¾	1	1¼	1½				
Each .....	.20	.22	.27	.33				
28 Adapters—Curved; light wall, lamp blown; these are made with small ned at 45 degrees, 90 degrees or 135 degrees; angle must be specified:								
Length, inches	6	7	8	10				
Inside diameter at large end, inches.....	¾	1	1¼	1½				
Each .....	.20	.22	.27	.33				
30 Air Tester, Wolpert's, for determining carbon dioxide content of air:								
In case, complete with reagents.....								5.00
Reagents for same	Per doz. capsules							3.00
35 Air Thermometer Tubes, long stem, capillary bore:								
Diam. of bulb, mm.....		25	50	75				
Each .....		.30	.40	.50				
80 Aprons, Rubber, on Cloth, for laboratory use:								
a Black rubber, light weight.....								1.00
b Black rubber, heavier quality.....								1.25
c White rubber								1.35
d Maroon rubber, very durable.....								1.50
81 Over-Sleeves, Rubber on Cloth, to match Rubber Aprons, No. 80:								
a Black rubber, light weight, pair.....								.60
b Black rubber, heavier quality, pair.....								.70
c White rubber, pair .....								.80
d Maroon rubber, pair .....								.90
83 Aprons and Oversleeves, of Rubber, to match, for general laboratory use:								
Light Weight, Black:								
a Aprons, doz.								12.00
b Oversleeves, dozen pair.....								6.00
Medium Weight, Black:								
c Aprons, doz.								15.00
d Oversleeves, dozen pair.....								7.50
Light Weight, White:								
e Aprons, doz.								15.00
f Oversleeves, dozen pair								7.50
Light Weight, Maroon:								
g Aprons, doz.								18.00
h Oversleeves, dozen pair								9.00
85 Arsenic Tubes:								
Style	A	B	C	D	E	F	G	
Each04	.06	.05	.06	.06	.06	.04	



198



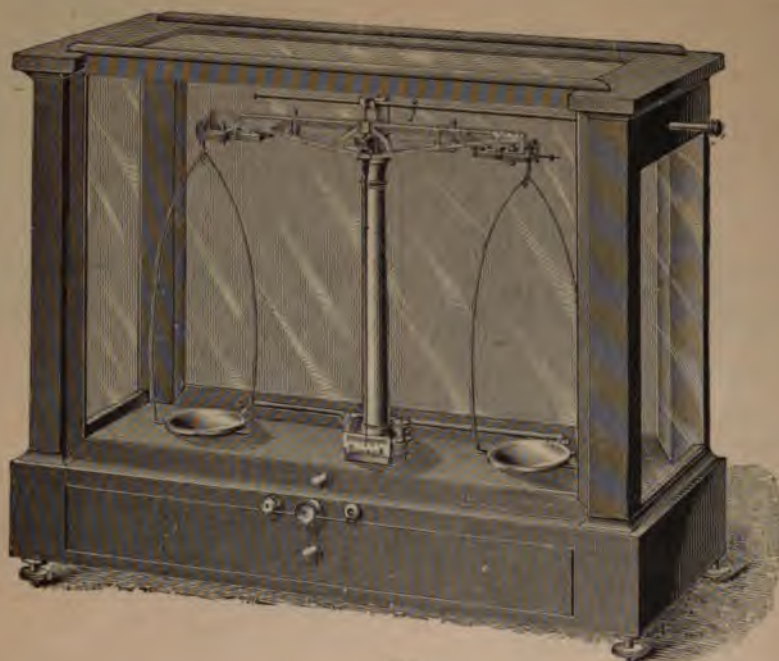
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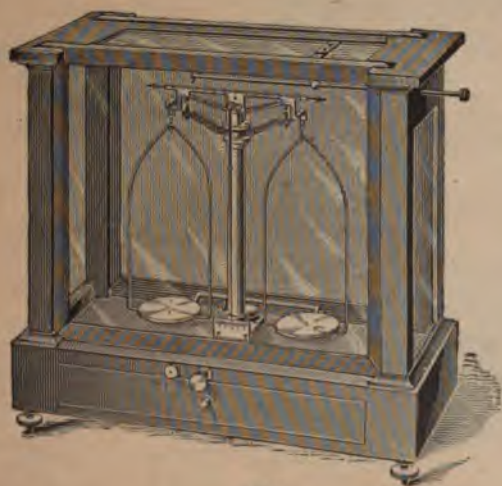
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ASBESTOS MATERIAL

- 90 Asbestos Board, fire and acid-proof, best quality, in sheet 40 x 40 in. Price from 30c a pound up, according to thickness. Special price in large quantities. Regularly furnished in the following thicknesses:
- | | | | | | | | |
|----------------------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Thickness, in. | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{5}{8}$ | $\frac{3}{4}$ | $\frac{7}{8}$ | $1\frac{1}{8}$ | $1\frac{1}{4}$ |
| Weight per sheet, lb. | 2 | 4 | 8 | 12 | 16 | 20 | 32 |
| Per square foot | .10 | .20 | .50 | .75 | .90 | 1.20 | 1.70 |
| Per sheet | .60 | 1.20 | 3.00 | 4.50 | 5.50 | 7.20 | 10.20 |
- 95 Asbestos Boards, cut in square, $\frac{1}{8}$ in. thick:
- | | |
|-----------------------------|------|
| 4 x 4 in., per dozen..... | .30 |
| 5 x 5 in., per dozen..... | .50 |
| 6 x 6 in., per dozen..... | .60 |
| 8 x 8 in., per dozen..... | 1.20 |
| 12 x 12 in., per dozen..... | 2.40 |
- 98 Asbestos Pads, $\frac{1}{8}$ in. thick, with iron bound edges:
- | | | | | |
|----------------|------------------------------------|-------|-------|------|
| Size, in. | $8\frac{1}{2} \times 8\frac{1}{2}$ | 11x11 | 15x15 | 10x6 |
| Each | .50 | .60 | .90 | .80 |
- 100 Asbestos Paper for filtering acids, in rolls 36 inches wide, weighing about 1 pound to the square yard. Thickness, about 0.028 in., lb. 40
- 102 Asbestos Board or Slate (Transite), acid-proof, adapted for use on laboratory tables, or as insulation in heat and electrical work. Readily cut with saw:
- | | | | | | |
|-----------------------------|---------------|---------------|---------------|---------------|---------------|
| | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ | $\frac{3}{4}$ | $\frac{5}{8}$ |
| 42 x 42 in., per sheet..... | 3.00 | 4.50 | 6.00 | 9.00 | 12.00 |
| 42 x 96 in., per sheet..... | 6.00 | 9.00 | 12.00 | 18.00 | 24.00 |
| Per square foot | .50 | .60 | .75 | 1.00 | 1.50 |
- 103 Asbestos Cloth, 36 in. wide, unaffected by acid, fire, etc.:
- | | | | |
|---------------------------|----------------|----------------|----------------|
| | Fine | Medium | Heavy |
| Weight per yard, lb. | $1\frac{1}{2}$ | $2\frac{1}{4}$ | $2\frac{1}{2}$ |
| Per yard | 4.00 | 5.40 | 6.80 |
- 105 Asbestos Twine or Cord, in 1 lb. balls for suspending retorts, crucibles, etc., in direct flame. Useful also for wrapping handles of vessels or other apparatus exposed to heat, or for general insulating purposes:
- | | | |
|--------------------|---------------|---------------|
| Diameter, in. | $\frac{1}{8}$ | $\frac{1}{4}$ |
| Per lb. | 2.50 | 2.50 |
- 110 Asbestos Fiber or Wool, unwashed, lb. 60
- 113 Asbestos Finger Cots, to fit thumb and index finger, for use in handling articles when hot, pair 50
- 115 Asbestos Mittens, for protecting hands against burns by heat or acids during laboratory operations, pair 3.25
- 118 Asbestos Glove, with fingers and gauntlet for protecting wrists; medium, 4.50; large, pair.. 4.75
- 120 Asbestos Gloves, with fingers (without gauntlet); medium, 4.00; large, pair..... 4.25
- 122 Asbestos Apron, canvas lined, about 40 in. long by 24 in. wide. Complete with strap and buckles 7.50
- 125 Asbestos Cement, for use in connecting parts of apparatus exposed to heat or acids, 5 lb. can 1.25
- 155 Aspirator, Chapman's, of brass, for producing vacuum:
- | | | | |
|-------|-------|--------|-------|
| Size: | Small | Medium | Large |
| Each: | 1.40 | 1.60 | 1.80 |
- 160 Aspirator or Filter Pump (Spiral Form), a new improvement for producing a higher vacuum in less time, and using about 1-3 less water than No. 155:
- | | | | |
|-------|-------|--------|-------|
| Size: | Small | Medium | Large |
| Each: | 1.50 | 1.70 | 2.00 |
- 165 Richards' Aspirator, or Filter Pump, very powerful:
- | | | | |
|-------|-------|--------|-------------|
| Size: | Small | Medium | Extra Large |
| Each: | 1.50 | 2.25 | 7.00 |
- 170 Couplings of Brass, for above Aspirators 155, 160 and 165:
- | | | | |
|-------|-------|--------|-------|
| Size: | Small | Medium | Large |
| Each: | .30 | .35 | .40 |
- 171 Coupling for Smooth or Unthreaded Faucets, for attaching Aspirators 155, 160 and 165:
- | | | | |
|-------|-------|--------|-------|
| Size: | Small | Medium | Large |
| Each: | .50 | .60 | .70 |
- 180 Autoclav or Pressure Cooker, Aluminum, substantially built, safe, sanitary and reliable. The cost is considerably less than other autoclaves. Steam gauge reads to 30 lb. pressure. Equipped with safety valve and thermometer. It makes use of the principle that water under pressure, is hotter than water boiling at atmospheric pressure. The temperature increases with the pressures:
- | | |
|------------------------------------|---------|
| At atm. pressure at sea level..... | 194° F. |
| At atm. pressure at sea level..... | 203° F. |
| At atm. pressure..... | 212° F. |
| At 5 lb. pressure..... | 227° F. |
| At 10 lb. pressure..... | 239° F. |



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(Continued)

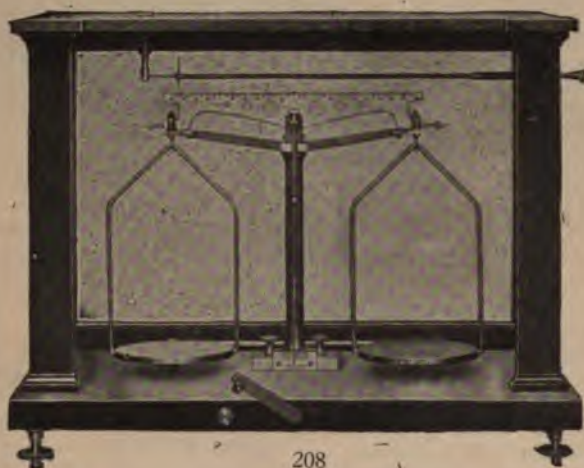
At 15 pounds steam pressure.....	250° F.	
At 20 pounds steam pressure.....	259° F.	
At 25 pounds steam pressure.....	267° F.	
a Capacity 10 quarts		24.00
b Capacity 17 quarts		30.00
c Capacity 25 quarts		35.00
192 Autoclav or Digester with Vertical Chamber, Gas Heated, copper boiler, tin lined with seamless bottom and hinged cast brass cover, tested under pressure of 35 lb. per square inch. Size of chamber inside:		
a 11 in. diam. by 24 in. deep.....		90.00
b 14 in. diam. by 26 in. deep.....		110.00
193 Autoclav or Digester, Vertical Chamber, Electrically Heated, similar to 192. Size of chamber inside:		
a 11 in. diam. by 24 in. deep.....		135.00
b 14 in. diam. by 26 in. deep.....		175.00
196 Becker Analytical Balance (8-A), Standard Short Beam. Beam graduated both sides in 1-10 milligram. Independent arrest for pans with automatic stop. Width of pan support 4 in.; wider if specified. Polished mahogany and glass case, glass top, front sliding frame counterpoised, mounted on plate glass. Dimensions of case: 16¼ in. long, 9 in. wide, 18½ in. high. Specific gravity support and holder for weighing test tubes, with counterpoise. Capacity 200 grams, sensitiveness 1-20 milligram, diameter of pans 2¾ inches, length of beam 7 inches, agate planes and knife-edges		135.00
a With adjustable shelf for supporting beaker when taking specific gravities.....		150.00
197 Becker Analytical Chainomatic Balance (8-A), with Vernier. It is the same as the Becker Balance 196 equipped with chain, and gives direct rapid reading without rider or small weights. Polished mahogany case, front sliding frame, counterpoised. Mounted on plate glass. Capacity 200 grams, sensitiveness 1-20 milligram, diameter of pans 2¾ inches, length of beam 7 inches, agate planes and knife-edges. Capacity of bar and vernier 50 mg to 1-10 mg		175.00
198 Becker Analytical Balance (15). Aluminum beam graduated in 1-10 milligram, with white graduations on black background. Independent arrest for pans with automatic stop. Width of pan support 4 in.; wider if specified. Polished mahogany and glass case, glass top, front sliding frame counterpoised. Dimensions of case: 16¼ in. long, 9 in. wide, 18½ in. high. Capacity 200 grams, sensitiveness 1-10 milligram, or capacity 100 grams, sensitiveness 1-20 milligram, diameter of pans 3 inches, length of beam 6 inches, agate bearings and knife-edges		90.00
a Mounted on plate glass.....		100.00
199 Becker Analytical Chainomatic Balance (15), with Vernier, a popular model for routine laboratory work. It is the regular Becker Balance 198 equipped with chain, and gives direct rapid reading without rider or small weights. Polished mahogany case, front sliding frame counterpoised. Mounted on plate glass. Capacity 200 grams, sensitiveness 1-10 milligram, or capacity 100 grams, sensitiveness 1-20 milligram, diameter of pans 3 inches, length of beam 6 inches, agate bearings and knife-edges, capacity of bar and vernier 50 mg to 1-10 mg.....		130.00
200 Balance, Analytical, Troemner's Model No. 10. Capacity 200 g, sensitive to 1-20 mg. Short beam of aluminum, graduated full length in 1-10 mg. Agate knife edges and bearings. Bows and pans of aluminum, other metal parts gold plated. Mounted on heavy glass plate. Complete with 5 mg rider in polished mahogany and glass case		180.00
201 Balance, Analytical, Short Arm, Aluminum Beam. Capacity 200 grams, sensibility 1/20 mg, with rider arm. Metal parts gold plated. Beam graduated both sides. Agate knives and bearings. In mahogany case, glass side, with drawer and leveling screws. Complete with apparatus for specific gravity weighings, and a high grade set of platinum plated weights 100 grams to 1 mg, including 3 riders.....		175.00
202 Balances, Analytical, Long Beam, Graduated, with rider carrier. In mahogany case, with glass sides, drawer and leveling screws. Apparatus included for specific gravity weighings. Agate bearings and steel knives:		
a Capacity 500 grams, sensibility 1/10 mm, pans 4 in. diam.....		175.00
b Capacity 200 grams, sensibility 1/20 mg, pans 3 in. diam.....		142.00
c Capacity 100 grams, sensibility 1/20 mg, pans 2½ in. diam.....		116.00
(Note: Agate knives instead of steel will be supplied at \$13.50 extra.)		
203 Becker Analytical Balance (7). Beam graduated in 1-10 milligram. Independent arrest for pans with automatic stop. Polished mahogany and glass case, glass top, front sliding frame counterpoised. Dimensions of case: 19½x9¼x16¼ in. Specific gravity support, holder for weighing test tubes with counterpoise. Capacity 200 grams, sensitiveness 1-20 milligram, diameter of pans 2¾ inches, length of beam 10 inches, agate planes and knife-edges.....		130.00



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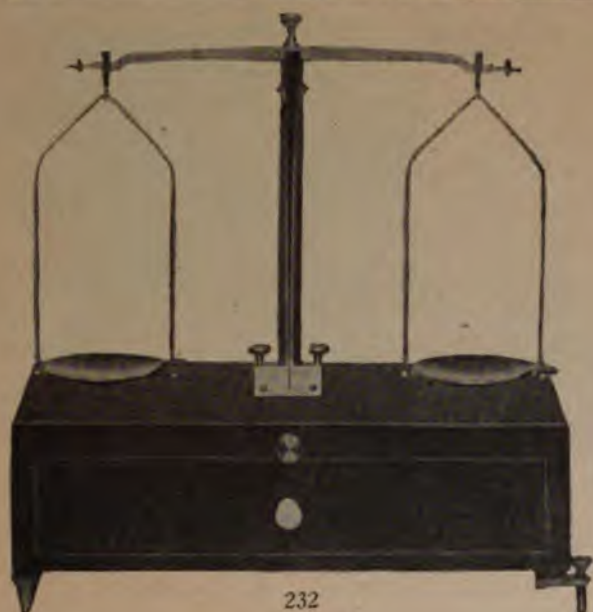


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- 204 **Balance, Analytical, Short Arm, Gold Plated**, aluminum beam, capacity 100 grams, sensibility 1/10 mg. Agate knives and bearings. Space between bows 3 in., with aluminum pans 3 in. diam. Apparatus for specific gravity included; also a set of high grade analytical weights, gold plated, 50 grams to 1 mg, with 3 riders. Mahogany case, glass sides, drawer and leveling screws..... 105.00
- 05 **Balance, Analytical**, capacity 200 g, sensibility 1-10 mg. Aluminum beam, 6 in. long, graduated into 50 parts each side of zero. Agate knives and bearings. Carrier for rider, with two 5-mg riders included. Mahogany case, sliding door, with drawer in base. Three-inch scale pans 100.00
If case is furnished with heavy black plate-glass base, add \$15.00 to above price.
- 06 **Balance, Analytical, Troemner**, beam 7 in. made of aluminum alloy, divided on right hand into 50 divisions, capacity 200 g in each pan, sensibility 1-10 mg, agate knife-edges and bearings. Pans 2½ in. diam. Mahogany case with glass sides, leveling screws and drawer in base 93.00
- 07 **Balance, Analytical**, capacity 100 grams, sensibility 1/4 mg, with agate bearings. Graduated beam and carrier for rider. Pans 3 in. Arranged for specific gravity. Mahogany case, glass sides, drawer and leveling screws 70.00
- 08 **Demonstration Analytical Balance**, especially adapted for exact weighings on lecture table. Small sizes useful for students' laboratory work. The beam and knife-edges are made of agate, mounted on mahogany base with glass sides, provided with leveling screws and level. A hook is attached to the hanger for specific gravity weighing. The beam is graduated into 100 divisions on both sides from the center. Regularly supplied in the following sizes:
- a Cap. 100 g, sensibility 0.5 mg, length beam 6 in., diam. pans 3 in., clearance inside of bows 7x3¼ in. 50.00
 - b Cap. 200 g, sensibility 1.0 mg, length of beam 8 in., diam. pans 3.5 in., clearance inside of bows 9x3¼ in. 56.00
 - c Cap. 500 g, sensibility 1.5 mg, length of beam 9 in., pans 4 in., clearance inside of bows 11x4¼ in. 72.00
 - d Cap. 1,000 g, sensibility 2.5 mg, length of beam 11 in., diam. pans 5 in., clearance inside of bows 13x5 ½ in. 86.00
 - e Cap. 2,000 g, sensibility 3.5 mg, length of beam 12 in., diam. pans 6 in., clearance inside of bows 15x6½ in. 115.00
 - f Cap. 5,000 g, sensibility 5.0 mg, length of beam 15 in., diam. pans 7 in., clearance inside of bows 17x7½ in. 145.00
- 09 **Balance, Analytical, Short Arm**, capacity 200 grams, sensibility 1/5 mg. Graduated beam and carrier for rider. Agate bearings. Pans 3 inch. Includes apparatus for specific gravity. Mahogany case, glass sides, drawer and leveling screws 85.00
- 0 **Balance, Analytical, Stansico Model H.**, aluminum short beam. Carrying capacity 100 g in each pan. Sensible to 1-10 mg. Agate knife edges and bearings. Extra wide bows and pans, will accommodate 4-in. dish. Automatic pan arrest. Fine mahogany case, glass top 90.00
- 1 **Balance, Analytical**, short arm, capacity 100 g, sensibility 1-10 g, graduated beam, agate bearings, including set of high grade weights 50 grams to 1 mg with 3 riders.... 100.00
- 5 **Balance, Analytical**, 200 g capacity, 1-5 mg sensibility. Sub-divisions on beam in fifths. Aluminum beam, 6 in. long, graduated into 50 parts each side of zero. Agate knives and bearings. Rider-carrier with two 5-mg riders. One pair 3-in. watch glasses. Mahogany case 75.00
If furnished with plate-glass base, add \$6.00.
- 8 **Analytical Balance**, sensibility 1-4 mg, capacity 200 g, aluminum alloy beam 8 in., graduated on one side into 50 divisions, steel knife-edges and agate planes; pans 3 in. diam., made of nickel silver. The arch supports for the pans are also made of nickel silver wire, 3¼x7½ in. high. The rest of the balance is made of brass coated with a special acid-proof preparation rendering it almost as efficient as gold plating. Furnished in mahogany case with glass sides and drawer 70.00
- † **Becker Balance (18)**. Eccentric for lifting beam. Removable pans. Beam arrests. Leveling screws. Spirit level. Polished mahogany and glass case, front sliding frame counterpoised.
- | | | | |
|---------------------------|------|------|------|
| Capacity, grams | 75 | 150 | 300 |
| Capacity, ounces | 2½ | 5 | 10 |
| Sensitiveness, milligrams | 1 | 2 | 3 |
| Sensitiveness, gram | 1-50 | 1-30 | 1-20 |
| Diameter of pans, inches | 2¼ | 3¼ | 4 |
| Length of beam, inches | 7 | 7½ | 10 |
- Steel bearings and knife-edges.
- Case 75 grams, 14 in. long, 6¼ in. wide, 12½ in. high 47.00
 - Case 150 grams, 17¼ in. long, 8 1-16 in. wide, 15 in. high 52.00
 - Case 300 grams, 19½ in. long, 9¼ in. wide, 16½ in. high 59.00



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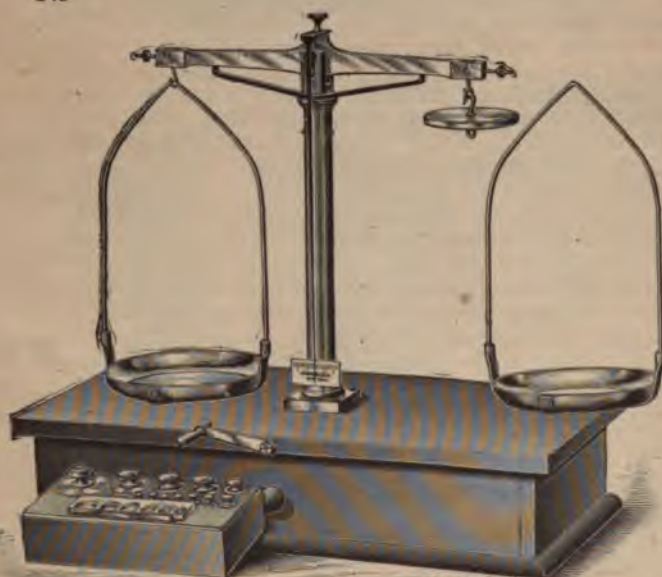
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- 230 Balance, Student's Chemical, in mahogany case with glass sides, leveling screws and level; also drawer in base. A high grade balance. Beam provided with adjusting screws; agate or steel bearings.

	Capacity	Sensibility	Diam. Pans	Length of Beam	Steel Bearings	Agate Bearings
a	62.207 g	1 mg	3 in.	6 in.	28.00	30.75
b	155.517 g	2 mg	3.5 in.	8 in.	33.00	35.75
c	311.035 g	5 mg	4 in.	9 in.	45.00	47.50
d	622.010 g	5 mg	5 in.	11 in.	56.00	59.25
e	1,555.175 g	10 mg	6 in.	12 in.	68.75	74.75
f	3,110.350 g	20 mg	7 in.	15 in.	97.00	114.00

- 232 Balance, Prescription (Class "A"), made of brass, mounted on mahogany base, nickel plated scale pans and adjusting screws on ends of beam. Base provided with leveling screws.

a	Capacity ½ oz., sensibility 1-65 grain, pans 2¾ in. diam	25.00
b	Capacity 2 oz., sensibility 1-32 grain, pans 3¼ in. diam	30.00

- 233 Balance, High Grade, made of aluminum alloy to prevent corrosion, agate bearings, graduated beam to facilitate use of a rider, mounted on aluminum alloy base provided with leveling screws.

a	Capacity 100 grams, sensibility 2 mg, diam. pans 3 in.	30.00
b	Capacity 250 grams, sensibility 5 mg, diam. pans 4 in.	35.00

- 235 Balance, on Polished Mahogany Base With Drawer, High Grade Workmanship. Adapted for fine work, such as weighing gold, jewelry, ore, sugar, etc. Beam provided with adjusting screws; steel or agate bearings. Easily taken apart and put in drawer. (When ordering specify what kind of bearings are desired.)

	Capacity	Sensibility	Diam. Pans	Length of Beam	Steel Bearings	Agate Bearings
	62,207 g	1 mg	3 in.	6 in.	18.00	19.50
	155.517 g	2 mg	3.5 in.	8 in.	20.00	21.50
	311.035 g	5 mg	4 in.	9 in.	30.25	31.75
	622.070 g	5 mg	5 in.	11 in.	37.50	39.00

- 240 Balance, Hydrostatic, with Counterpoise, designed for general or specific gravity weighings. Beam 10 inches, pans 5½ in. diam. Capacity 1000 grams, sensibility 1 centigram. On mahogany base with drawer. An excellent type for laboratory, lecture demonstrations, or commercial use:

a	With set of weights 500 grams to 1 cg.	36.50
b	Without weights	30.00

- 243 Balance, Cream Testing, Agate Bearings, provided with graduated side beam having twelve parts, each representing 9 grams. Including side beam and sliding tare weight. Accommodates 6 bottles. Sensibility 100 mg

18.00

- 245 Balance, Metric Solution, for rapidly making up reagents or other composite solutions. The ungraduated side beam and sliding weight is used to counterbalance the bottle or container. Sensibility 0.5 g. Including weights:

a	Pans 5½ in. diam., capacity 1 kg to 1 g.	30.00
b	Pans 9 in. diam., capacity 5 kg to 1 g.	35.00

- 248 Balance, Dispensing Scale, upright indicator, side beam graduated in two systems: one to 120 grains in one grain divisions; and 1-10 gram to 8 grams by 1-10 gram divisions. Brass weights included, avoirdupois, or metric: 50-20-20-10-5 grams.

Weights	Capacity	Sensibility	Diam. Pans	Bearings	
Troy	4 ozs.	1 grain	3¾ in.	Steel	12.25
Troy	4 ozs.	1 grain	3¾ in.	Agate	19.25
Metric	110 grams	1-10 gram	3¾ in.	Steel	12.25
Metric	110 grams	1-10 gram	3¾ in.	Agate	19.25
Avoirdupois	4 ozs.	1 grain	3¾ in.	Steel	12.25
Avoirdupois	4 ozs.	1 grain	3¾ in.	Agate	19.25

- 250 Balance, on mahogany base with drawer, beam provided with adjusting screws. A high grade and durable balance. Beam provided with adjusting screws; either steel or agate bearings.

a	Capacity 62.207 g, sensibility 1 mg, diam. pans 3 in., length beam 6 in., steel bearings	18.00
b	Ditto, but with agate bearings	19.50
c	Capacity 155.517 g, sensibility 2 mg, diam. pans 3.5 in., length beam 8 in., steel bearings	20.00
d	Ditto, but with agate bearings	21.50
e	Capacity 311.035 g, sensibility 5 mg, diam. pans 4 in., length beam 9 in., steel bearings	30.25
f	Ditto, but with agate bearings	31.75

- 255 Triple Beam Laboratory Balance, Metric, with graduated aluminum beam, three riders and hardened steel bearings. Capacity 111 grams by centigrams. Convenient and time-saving. Obviates the handling of separate weights. Adjustable shelf for specific gravity. Provided with spirit level and leveling screw

2550



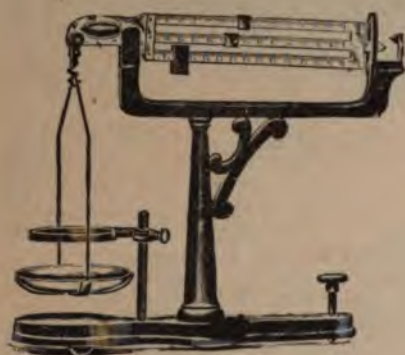
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263



264



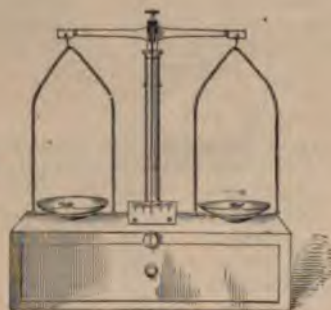
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265



270



261



268

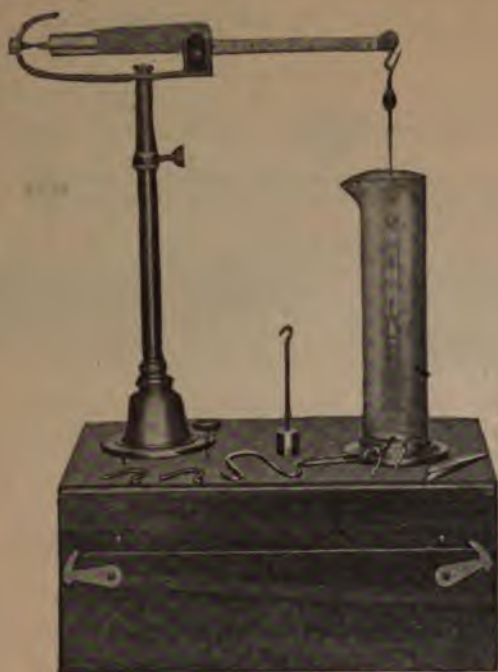


274



276

260	Balance, Student's Chemical or Prescription, beam 9 inches long with adjusting screws. Nickel plated pans 3 in. diam. Sensibility 2 mg. On mahogany base with drawer:	
a	Without weights	13.50
b	With Set of Metric Weights, 20 grams to 1 cg.	17.50
c	With Set of Troy Weights, 1 oz. to 1/2 grain	17.50
261	Balance, Student's Chemical, with 2 1/2 inch scale pans, on mahogany base with drawer. Sensitive to about 5 mg.	9.00
263	Balance, Laboratory Type, vertical indicator, steel or agate bearings, including weights. Beam graduated, provided with adjusting screws and rider. (Can be supplied with graduations and weights for Troy or Avoirdupois.)	
a	Steel bearings, capacity 310 grams, sensibility 1-10 gram, pans 6 in. diam.	18.00
b	Agate bearings, capacity 310 grams, sensibility 1-10 gram, pans 6 in. diam.	25.75
264	Balance, Army Prescription Type, box base, vertical indicator, including set of weights, 2 drachms to 1/2 grain.	
a	Capacity 1/2 oz., sensibility 1/4 gr., pans 2 3/4 in. diam.	8.50
b	Capacity 1/2 oz., sensibility 1/4 gr., pans 2 1/2 in. diam.	7.00
c	Capacity 1/2 oz., sensibility 1/4 gr., pans 2 in. diam.	5.00
265	Balance, Stansico Dissectible Laboratory Balance. This is a dependable and accurate balance, being substantially made to withstand constant and hard usage. All parts are perfectly formed from brass and steel, heavily nickel plated. The drawer and base are made of finished oak.	
	It has three polished steel knife-edges resting against V-shaped steel bearings, especially hardened so as to wear indefinitely, and insure high sensibility.	
	Capacity 500 g, or 16 oz. Sensibility 0.01 g, or .15 grain. Beam length, overall, 9 in. Scale pans, 3 in. diameter. Height of balance, overall, 11 1/4 in. Base, 3x5 1/2 x 11 1/4 in. Beam lift by knurled screw and cam. White celluloid scale with black lines and figures.	
	In less than one minute the balance can be completely assembled or taken apart and put in the drawer of the base. This feature greatly enhances its value since it occupies less space when "knocked-down," and may be much more easily and safely transported. When the balance is not in use and is packed in drawer, much greater protection of the delicate parts is secured, thus prolonging the life and efficiency of the balance	10.00
268	Balance, Pocket Type, Folding (Class B), in wooden carrying case, including weights and forceps. Brass weights from 4 drachms to 1-10 grain, or metric weights 20 grams to 1-10 gram can be furnished as desired.	
a	Capacity 1 oz. sensibility 1-10 grain, diam. pans 2 in.	17.00
b	Capacity 50 grams, sensibility 1-100 gram, diam. pans 2 in.	17.00
270	Balance, Robervahl Scales, brass scale pans, vertical indicator:	
a	Capacity 1 lb. sensibility 10 grains, pans 5 1/2 in. diam.	9.50
b	Capacity 2 lbs., sensibility 15 grains, pans 8 in. diam.	10.75
c	Capacity 5 lbs., sensibility 20 grains, pans 9 in. diam.	13.00
272	Balance, Counter Scale, nickel plated scale pans, 8 in. diam., marble top. Capacity 5 lbs., sensibility 20 grains	18.00
274	Balance, Counter Scales, for druggists, manufacturers and chemists. Steel bearings, pan 16 in. diam., capacity 25 lbs., sensibility 1/4 oz.	21.00
276	Balance, Photographers' Scale, with one removable brass pan 5 1/4 in. diam., graduated beam divided from 1-64 oz. to 1 oz. Troy. Capacity 14 oz.; sensibility 1-64 oz. (Can be supplied with Avoirdupois weights and graduations if desired)	10.75
300	Balance, Hand Scales, horn pans, 3 in diam., beam about 7 1/2 inches long	2.50
305	Balance, Pocket Hand Scales (Class "C"), including tin box with cover, and full set of accurate weights, adapted for carrying in pocket:	
a	Capacity 1/2 oz., sensibility 1/2 grain, diam. of pans 2 1/4 in.	3.00
b	Capacity 2 oz., sensibility 1/2 grain, diam. of pans 3 in.	3.50
c	Capacity 4 oz., sensibility 1/2 grain, diam. of pans 4 in.	4.50
325	Balance, Specific Gravity, Mohr's, for liquids or solids. Complete with riders and plummet:	
a	For liquids only	28.75
b	For both liquids and solids	32.50
328	Balance, Specific Gravity, Westphal, for liquids, measuring densities to the fourth decimal place; including jars, riders, plummet, forceps, weight and wooden case with cover	26.25
a	Plummet only	10.00
b	Set of riders	2.50
330	Glass Scale Pans, in pairs, for Analytical balances:	
a	Without Handles, 2 1/2 in. diam., pair	1.10
	Without Handles, 2 3/4 in. diam., pair	1.10
	Without Handles, 3 in. diam., pair	1.10
b	With Handles, 2 1/2 in. diam., pair	1.10
	With Handles, 2 3/4 in. diam., pair	1.10
	With Handles, 3 in. diam., pair	1.10
335	Balance, Photographic, sensitive to 1/2 grain; including set of weights 1/2 grain to 2 ounces. Interchangeable pans 3 1/2 in. diam. Steel bearings	4.50



328



350



415



325



380



300

- 380 Weights, Analytical, Precision (Grade "A"), polished and lacquered brass, or gold plated; the fractional weights from 500 mg to 50 mg are made of platinum; below that they are made of aluminum; the riders are also made of aluminum. Mahogany block with cover, including ivory tipped forceps;

381 Weights, Precision Analytical, Brass, similar to No. 380, except that the box is velvet lined and cover hinged. The fractional weights are in removable tray with glass cover; ivory tipped forceps included;

a	Set From	Polished Brass And Lacquered	Gold Plated	Gold Plated, Double Check
1	mg to 10 g	33.00	36.75	50.50
1	mg to 20 g	34.75	39.00	53.25
1	mg to 50 g	35.75	41.75	56.50
1	mg to 100 g	37.50	46.00	60.25
1	mg to 200 g	40.25	51.75	67.50
1	mg to 500 g	50.50	66.00	83.00
1	mg to 1,000 g	60.25	78.75	100.00

Set From	Polished Brass	Gold Plated
1 mg to 10 g	10.25	13.75
1 mg to 20 g	11.50	16.00
1 mg to 50 g	13.00	18.75
1 mg to 100 g	14.50	23.25
1 mg to 200 g	18.75	30.25
1 mg to 500 g	27.25	43.00
1 mg to 1000 g	31.75	51.75

388 Weights, Analytical (Grade "B"), polished and lacquered brass, mahogany block, including brass forceps:

		In Block Without Cover	In Block With Cover
1 mg to 1000 grams	.....	23.25	25.00
1 " " 500 "	.....	18.25	20.25
1 " " 200 "	.....	14.50	16.50
1 " " 100 "	.....	11.50	13.60
1 " " 50 "	.....	10.25	12.15
1 " " 20 "	.....	9.00	10.75
1 " " 10 "	.....	8.00	9.00

- | | | Grams, Brass, Separate (Grade 2), as used in sets No. 380. | | | | | | | | | | | |
|--------|--|--|------|------|------|------|------|------|------|------|------|-----|-----|
| | | 1000 | 500 | 200 | 100 | 50 | 20 | 10 | 5 | 2 | 1 | .5 | .2 |
| Grams: | | 1000 | 500 | 200 | 100 | 50 | 20 | 10 | 5 | 2 | 1 | .5 | .2 |
| Each: | | 5.10 | 3.60 | 2.55 | 2.20 | 1.85 | 1.75 | 1.50 | 1.25 | 1.15 | .95 | .58 | .51 |
| Grams: | | | .1 | .05 | .02 | | .005 | | .002 | | .001 | | |
| Each: | | | .43 | .37 | .29 | | .25 | | .25 | | .25 | | |

- | | | | | | | | | | | |
|---------------------|------|------|------|------|------|------|------|------|------|------|
| Milligrams: | 12 | 10 | 6 | 5 | 3 | 2 | 1.2 | 1 | .6 | .5 |
| Double check, each: | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 |
| Single check, each: | .50 | .50 | .50 | .50 | .70 | .70 | .70 | .70 | .85 | .85 |



467



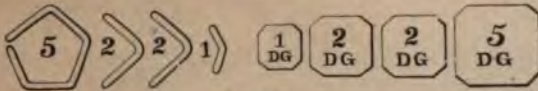
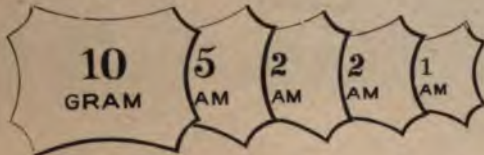
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468



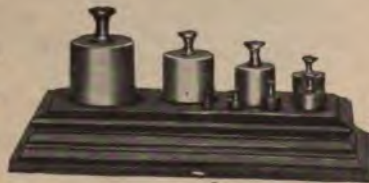
400



412



448



462



443



464

Weights, Metric, Lacquered Brass (Grade "C"), in block with hinged cover, including forceps. Small weights made of aluminum:											
20 grams to 1 mg.....										10.75	
50 grams to 1 mg.....										12.15	
100 grams to 1 mg.....										13.60	
Weights Separate, (Grade "C"), as used in sets No. 400:											
Milligrams:	500	200	100	50	20	10	5	2	1		
Each:	.55	.45	.30	.25	.25	.25	.25	.25	.25		
Grams:	100	50	20	10	5	2	1				
Each:	1.50	1.25	1.20	1.00	.75	.65	.60				
Weights, Single (Grade "B"):											
Milligrams:	500	200	100	50	20	10	5	2	1		
Each:	.60	.50	.45	.40	.30	.30	.30	.30	.30		
Weights, Metric, in paper boxes:											
a 1 cg to 10 g										1.25	
b 1 cg to 1 g .....										.75
Weights, Metric, Single, as used in sets No. 412:											
Grams:	10	5	2	1							
Each:	.37	.29	.22	.15							
Decigrams:	5	2	1								
Each:	.15	.15	.15	.15							
Centigrams:	5	2	1								
Each:	.15	.15	.15	.15							
Weights, Metric, Brass (Grade "T"), in block:											
20 g to 1 cg, total.....	40 g									1.75	
50 g to 1 cg, total.....	100 g									2.25	
100 g to 1 cg, total.....	200 g									2.85	
200 g to 1 cg, total.....	400 g									4.30	
500 g to 1 cg, total.....	1 kilo									7.15	
1 kilo to 1 cg, total.....	2 kilo									10.75	
2 kilo to 1 cg, total.....	4 kilo									14.30	
Weights, Metric, Brass, Single (Grade "T"), as used in sets 415:											
Grams:	2000	1000	500	200	100	50	20	10	5	2	1
Each:	5.50	4.00	3.00	1.60	1.00	.80	.60	.53	.47	.37	.37
Milligrams:	500	200	100	50	20	10	5	2	1		
Each:	.30	.30	.28	.24	.17	.17					
Weights, Metric (Grade "T"), Brass, in blocks with covers, and pair of forceps:											
10 grams to 1 cg.....											4.30
20 grams to 1 cg.....											4.75
50 grams to 1 cg.....											5.00
Weights, Iron, Metric (Grade "T"), with sealing adjustment:											
20, 10, 5, 2, 1 kilo to 10 g, total.....	2 kilo										3.50
2 kilo to 10 g, total.....	4 kilo										4.65
2, 1 kilo to 10 g, total.....	5 kilo										5.40
1 kilo to 10 g, total.....	10 kilo										8.90
5, 2, 1 kilo to 10 g, total.....	20 kilo										14.25
10, 5, 2, 1 kilo to 10 g, total.....	40 kilo										24.50
20, 10, 5, 2, 1 kilo to 10 g, total.....											
Weight, Iron, Metric, Single (Grade "T"), as used in sets No. 443:											
Kilos	20	10	5	2	1						
Each	10.75	5.40	3.60	1.32	.72						
Grams	500	200	100	50	20	10					
Each .....	.58	.43	.37	.29	.22	.22				
Weights, Iron, Avoirdupois (Grade "T"), adjusted with lead cap over adjustment for sealer's stamp:											
Set	Total Weight	Enameled	Galvanized	Nickel Plated							
1/2 oz. to 1 lb.	2 lbs.	1.80	2.30	3.60							
1/2 oz. to 2 lbs.	4 lbs.	2.35	3.30	5.20							
1/2 oz. to 4 lbs.	8 lbs.	3.55	5.15	7.15							
1/2 oz. to 5 lbs.	10 lbs.	5.25	7.60	7.60							
1/2 oz. to 7 lbs.	15 lbs.	6.10	9.00	10.75							
1/2 oz. to 10 lbs.	20 lbs.	9.00	13.30	12.35							
1/2 oz. to 14 lbs.	29 lbs.	10.75	17.85	16.45							
1/2 oz. to 20 lbs.	40 lbs.	14.50	22.90	20.75							
1/2 oz. to 25 lbs.	50 lbs.	17.70	26.85	25.00							
1/2 oz. to 50 lbs.	100 lbs.	29.50	48.60	41.50							

448a Weights, Iron, Avoirdupois, Single (Grade "T"), as used in sets No. 448:

	Enameled	Galvanized	Nickel Plated
½ oz.	.26	.37	.41
1 oz.	.28	.41	.47
2 oz.	.32	.51	.54
4 oz.	.37	.58	.65
8 oz.	.43	.72	.75
1 lb.	.58	.90	1.08
2 lbs.	.80	1.20	1.60
4 lbs.	1.37	2.40	2.15
5 lbs.	2.15	3.15	2.60
7 lbs.	2.59	4.00	3.60
10 lbs.	3.80	5.90	4.55
14 lbs.	4.62	7.60	5.75
20 lbs.	5.50	9.50	8.30
25 lbs.	6.82	11.85	10.75
50 lbs.	11.85	21.50	16.50

462 Weights, Avoirdupois, Brass (Grade "C"), in wooden block. Standard commercial quality:

Sets from	Total Weight	In Block	Nickel Plated In Block
¼ oz. to 1 lb.	2 lbs.	8.50	10.00
¼ oz. to 1 lb.	4 lbs.	11.50	14.75
¼ oz. to 4 lbs.	8 lbs.	14.25	17.25

464 Weights, Brass, Avoirdupois (Grade "T"), in wooden block:

Sets from	Total Weight	In Block	Nickel Plated In Block
1-128 oz. to 1 oz.	2 oz.	1.75	2.15
1-128 oz. to 4 oz.	4 oz.	2.50	3.00
1-128 oz. to 4 oz.	8 oz.	3.50	4.25
1-128 oz. to 8 oz.	16 oz. = 1 lb.	5.00	6.00
½ oz. to 1 oz.	2 oz.	1.60	2.00
½ oz. to 2 oz.	4 oz.	2.30	2.85
½ oz. to 4 oz.	8 oz.	3.30	3.75
½ oz. to 8 oz.	16 oz. = 1 lb.	4.25	5.25
½ oz. to 1 lb.	2 lbs.	5.50	6.75
½ oz. to 2 lbs.	4 lbs.	7.25	9.25
½ oz. to 4 lbs.	8 lbs.	10.00	12.50

464a Weights, Single, in Ounces (Grade "T"), separate from full sets as used in No. 464:

Size, oz.	¼	½	¾	1	2	4	8
Brass	.31	.41	.48	.57	.80	.95	1.10
Nickel Plated	.41	.48	.57	.66	.86	1.00	1.25

464b Single Weight, in Pounds, separate from full sets, as used in No. 464:

Size, oz.	1	2	4	5	7	10	14	20	25	50
Brass	1.60	2.55	4.30	7.15	11.85	15.75	18.60	30.00	37.80	72.00
Nickel Plated	2.00	3.05	4.75	8.60	10.25	13.25	17.35	26.85	34.00	66.00

467 Weights, Nickel Plated Drawn Steel. The larger weights are cupped and provided with handles, but free from projecting parts in order that they may be stacked if necessary. Not easily injured, and are adjusted within the tolerance requirements of the Bureau of Standards. Lead plug driven into hole at top of each weight for affixing seal:**a Metric Weights (Grade "C"):**

Set including 20, 10, 5, 2, 2, 1 kilograms.....	86.
Single 20 kilograms.....	29.00
Single 10 kilograms.....	23.50
Single 5 kilograms.....	19.75
Single 2 kilograms.....	11.25
Single 1 kilogram.....	8.75

b Avoirdupois Weights (Grade "C"):

Set including 50, 25, 10, 5, 5, 2, 2, 1 lbs.....	113.
Single 50 lbs.....	32.00
Single 25 lbs.....	25.75
Single 10 lbs.....	22.25
Single 5 lbs.....	12.50
Single 4 lbs.....	11.25
Single 3 lbs.....	11.25
Single 2 lbs.....	10.25
Single 1 lb.....	8.25

468 Weights, Iron Test, Single (Grade "T"), large weights cupped at top and provided with handle rod, but having no projections so as to be easily stacked. Adjusted by means of lead plug driven into hole at top where seal can be affixed:

50 lbs.	11.00	5 kilograms	8.75
25 lbs.	9.75	2 kilograms	6.00
10 lbs.	8.75	1 kilogram	5.50
5 lbs.	6.00	500 oz. Troy	11.00
4 lbs.	5.75	200 oz. Troy	9.75
2 lbs.	5.50	100 oz. Troy	8.75
1 lb.	4.00	50 oz. Troy	5.75
20 kilograms	11.00	20 oz. Troy	5.50
10 kilograms	9.75	10 oz. Troy	4.00

501	Forceps, adapted for handling weights:								
	a Steel, Nickel Plated, 6 in. curved tip.....								2.50
	b Brass, Straight, 3 in.....								.75
	c Polished Steel, 4 in.....								.50
	d Ivory Tipped, Curved.....								1.50
565	Barometer Tube, Graduated in mm, Bunsen's Siphon Form:								
	a Unfilled.....								4.00
	b Filled with mercury, after cleaning and drying.....								15.00
575	Barometer Tube, Plain, Siphon Form, bent with bulb for well:								
	a Unfilled.....								1.00
	b Filled with mercury, after cleaning and drying.....								9.00
580	Barometer Tube, Demonstration Form, with Stopcock at Top and Bottom, for filling or emptying tube. Length about 104 cm. Graduated from 100 to 780 mm.....								10.00
585	Barometer Tube, Plain, Straight Form, unfilled:								
	a Tube only, 80 cm long.....								.70
	b Tube with extra mercury well of iron.....								1.20
586	Barometer Tube, Straight Form, Graduated in mm, length 80 cm:								
	a Unfilled.....								3.50
	b Filled with mercury, after cleaning and drying.....								12.00
720	Beakers, Tall Form, glass:								
	a Without Lip.								
	b With Lip or Pour-out.								
	c Resistance Glass:								
	Capacity cc.....	30	60	90	120	150	180	250	300
	Each.....	.14	.15	.16	.17	.18	.19	.20	.23
	Capacity cc.....	350	500	550	600	750	1,000	1,500	2,000
	Each.....	.25	.30	.32	.33	.38	.58	.70	.90
	d Perfection Glass:								
	Capacity cc.....	30	60	90	120	150	180	250	300
	Each.....	.18	.20	.21	.22	.23	.24	.25	.30
	Capacity cc.....	350	500	550	600	750	1,000	1,500	2,000
	Each.....	.35	.40	.42	.45	.48	.75	.90	1.35
	e Nonsol Glass:								
	Capacity cc.....		30	60	90	120	180	250	
	Each.....		.20	.22	.25	.28	.30	.33	
	Capacity cc.....		300	350	500	700	1,000	1,200	
	Each.....		.36	.40	.50	.60	.90	1.00	
	f Pyrex Glass:								
	Capacity cc.....	100	150	200	300	400	500	600	800
	Each.....	.19	.21	.23	.26	.30	.32	.35	.54
721	Beakers, Low Form, Griffin, glass:								
	a Without Lip.								
	b With Lip or Pour-out.								
	c Resistance Glass:								
	Capacity cc.....	30	60	90	120	150	180	250	300
	Each.....	.14	.15	.16	.17	.18	.19	.20	.23
	Capacity cc.....	350	500	550	600	750	1,000	1,500	2,000
	Each.....	.25	.30	.32	.33	.38	.58	.70	.90
	d Perfection Glass:								
	Capacity cc.....	30	60	90	120	150	180	250	300
	Each.....	.18	.20	.21	.22	.23	.24	.25	.30
	Capacity cc.....	350	500	550	600	750	1,000	1,500	2,000
	Each.....	.35	.40	.42	.45	.48	.75	.90	1.35
	e Nonsol Glass (Pour-out only):								
	Capacity cc.....	30	60	90	120	150	180	250	300
	Each.....	.20	.22	.25	.27	.28	.30	.33	.36
	Capacity cc.....	350	500	600	700	1,000	1,400	2,000	
	Each.....	.40	.50	.55	.60	.90	1.25	1.50	
	f Pyrex Glass:								
	Capacity cc.....		30	50	100	150	250	400	
	Each.....		.18	.18	.19	.21	.25	.30	
	Capacity cc.....		600	800	1,000	1,300	1,500	2,000	
	Each.....		.35	.40	.54	.65	.73	.98	
740	Beakers, Porcelain, usual form:								
	a Ohio (without lip):								
	Capacity cc.....				150	350	500	750	1,000
	Each.....				.40	.50	.75	1.00	1.50
	b Coors (without lip):								
	Capacity cc.....	165	250	340	580	700	970	1,500	1,775
	Each.....	.90	1.08	1.20	1.44	1.80	2.16	3.00	4.80
	c Coors (with lip):								
	Capacity cc.....	165	250	340	580	700	970	1,500	1,775
	Each.....	1.02	1.20	1.32	1.62	1.98	2.40	3.30	5.10



792



773



b



d



501



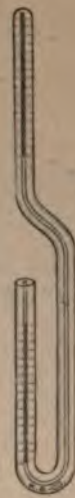
c



a



575



565



780



720b



740



721



745



760



772



765



775



770

Beakers, Metal, Griffin Form, low with pour-out:												
Capacity cc	125	250	500	1,000	2,000							
a Copper, polished .....	.80	.95	1.40	1.90	4.25						
b Copper, nickeled .....	.95	1.20	1.75	2.30	5.00						
c Aluminum .....	.70	.85	1.30	1.75	4.00						
Bell Jars, Tall Form, Straight Sides, with knob at top:												
Inside diam. inches	3	4	5	6	6½	7	8					
Inside height inches	6	8	9	11	14	15	13					
Each	1.25	1.50	1.75	2.00	2.25	2.50	2.75					
Inside diam. inches	8	8½	8½	9	9½	10	10					
Inside height inches	15	15	17	18	18	18	18					
Each	3.00	3.50	4.00	5.00	6.00	9.00						
Bell Jars, Tall Form, Straight Sides, With Open Top, Narrow Mouth:												
Inside diam. inches	3	4	5	6½	7	8½	10					
Inside height inches	6	8	9	11	15	15	18					
Each	1.25	1.50	1.75	2.00	2.50	3.50	9.00					
Bell Jars, Tall Form, Straight Sides, With Open Top, Wide Mouth:												
Inside diam. inches	3	4	5	6½	7	8½	10					
Inside height inches	6	8	9	11	15	15	18					
Each	1.25	1.50	1.75	2.00	2.50	3.50	9.00					
Bell Jars, Open Top, with Ground Glass Stopper, Swelled Sides, with ground flange:												
Inside diam. in.:	3	4	5	6	7	8½	10					
Inside height in.:	5	6½	8	10	12	13	16					
Capacity gal.:	¼	¼	½	1	2	3	4					
Each:	1.50	2.00	2.50	3.00	3.50	4.50	9.00					
Bell Jars, Open Top, with Ground Glass Stopper, Straight Sides, with ground flange:												
Inside diam. in.:	3	4	5	6	7	8½	10					
Inside height in.:	6	8	9	11	15	15	18					
Capacity gal.:	¼	¼	½	1	2	3	5					
Each:	1.50	1.75	2.00	2.50	3.00	4.75	9.00					
Bell Jars, Low Form, Swelled Sides, Open Top, Wide Mouth:												
Inside diam. inches	3	4	5	6	7	8½	10					
Inside height inches	5	6½	8	10	12	15	16					
Each	1.25	1.50	1.75	2.00	2.75	3.50	9.00					
Bell Jar, swell form, ground flange, with knob:												
Inside diam. in.:	3	4	5	6	7	8½	10					
Inside height in.:	5	6½	8	10	12	13	16					
Capacity gal.:	1 (pt)	1 (qt)	½	1	2	3	5					
Each:	1.25	1.50	2.00	2.50	3.00	3.75	9.00					
Bell Jars, Tall Form, Straight Sides, Open Top, Wide Mouth, Ground Flange:												
Inside diam. inches	3	4	5	6½	7	8½	10					
Inside height inches	6	8	9	11	15	15	18					
Each	1.25	1.50	1.75	2.00	2.50	3.50	9.00					
Bell Jars, low form, with knob and ground flange:												
Inside diam. in.:	3	4	5	6	7	8						
Inside height in.:	1½	2¼	3½	4	4½	5						
Each: .....	.80	.90	1.25	1.75	2.00	2.50					
Inside diam. in.:			9	10	12	16						
Inside height in.:			6	8	10	11						
Each:			3.00	3.50	4.75	7.00						
Bell Jars, high form, with knob, unground flange, useful for covers:												
Inside diam. in.:			8	9	10	11						
Inside height in.:			13	15	17	20						
Each:			3.00	4.00	9.00	10.00						
Bell Jars, low form, with knob, unground flange, useful for covers:												
Inside diam in.:	7	8	9	10	11	12	13	14	15	16	17	18
Inside height in.:	5	5½	6	6½	7½	8	8	9	9	10	10½	11
Each:	1.75	2.00	2.25	2.50	3.00	3.50	4.00	4.75	5.00	7.50	10.00	12.00
Blowers, Foot, Fletcher's, portable, producing a steady and powerful blast (without legs):												
Size:				9	9A	9B						
Diam. of air reservoir in.:				7¼	9	11						
Pressure obtainable per in., lbs.:				1	1½	1¾						
Cap. per hour, cubic feet:				190	330	625						
Each:				7.50	9.50	14.50						
Blowers, Foot, Fletcher's, with legs, rubber reservoir on lower side:												
Size:				10	10A	10B						
Diam. of air reservoir in.:				7¼	9	11						
Pressure obtainable per in., lbs.:				1	1½	1¾						
Cap. per hour, cubic feet:				190	330	625						
Each:				8.00	11.00	17.00						
Rubber Discs, for Foot Bellows Nos. 795 and 800:												
Size:			9 & 10		9A & 10A	9B & 10B						
Diam. in.:			9¼		11½	14¼						
Each:			1.00		1.25	1.75						



810



795



800



815



820b



825b



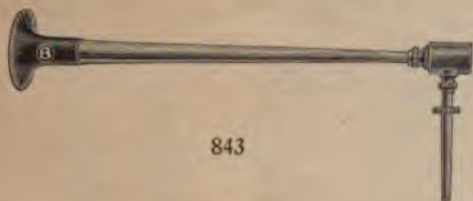
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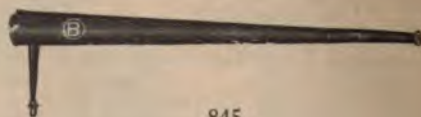
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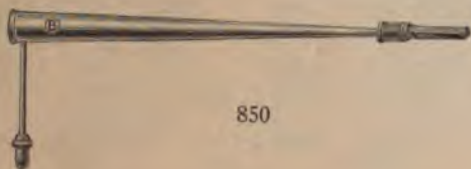
860



843



845



850



875

803	Nets, for use with Foot Bellows Nos. 795 and 800, each.....	.50
805	Bellows, Hand, Fletcher's, small size, same type as 795. Gives steady continuous blast, being provided with net and rubber disc for air reservoir.....	6.00
	a Extra Rubber Discs.....	.50
810	Bellows, Hand, ordinary form.....	A-size .90; B-size 1.50; C-size 3.00
815	Blower, Hand, consisting of two rubber bulbs, one for producing the pressure, the other with net for air reservoir.....	1.00
818	Blowers, Hot Air, Electrically Operated, producing a continuous blast of hot air, useful for evaporations, drying glassware, etc. Complete with double switch, one for blast at room temperature, the other for hot air; cord and plug for attaching to lamp socket included:	
	Size Number:	A B C D
	For voltage:	110 220 110 220
	Each:	17.50 18.25 17.50 18.25
820	Blower or Blast Apparatus, Richard's, operated by water pressure for producing vacuum or blast. Supplied with the powerful Richard's Aspirator Pump. A very desirable form for quick filtration, operating blast lamps, blowpipes, etc.:	
	a With One Pump	20.00
	b With Two Pumps	22.00
	c With Three Pumps	28.00
825	Blast Apparatus, Water, Muencke's, complete with aspirator pump, for exhausting and compressing air in operating blast lamps. Chamber 4x8 inches:	
	a Plain	18.00
	b Including Vacuum Gauge	26.00
843	Blowpipe, Berzelius, brass, with hard rubber mouth-piece and platinum plate at end of jet	3.00
845	Blowpipe, Black's, conical, japanned tin with detachable brass tip .....	.20
850	Blowpipe, Black's, brass, with tip that unscrews, and wooden mouth-piece .....	.75
855	Blowpipes, Brass, plain, usual form:	
	Length inches	7 8 9 10 11 12
	Each .....	.20 .22 .25 .28 .30 .40
857	Blowpipe, Brass, plain, 9 inches long, with bone mouth-piece .....	.50
860	Blowpipes, Brass, with Bulb or Air Chamber:	
	Length inches	8 9 10 11 12
	Each .....	.45 .50 .55 .60 .75
865	Blowpipe, Plattner's, nickel plated, with hard rubber mouth-piece, but without platinum tip	2.50
875	Blowpipe, Plattner's, nickel plated, with hard rubber mouth-piece and blast attachment for gas	3.75
885	Blowpipe, for Illuminating Gas, Fletcher's, adjustable for different angles:	
	a With Double-joint Adjustment	5.00
	b With Single-joint Adjustment	4.50
888	Blowpipe and Bunsen Burner, Combined, adjustable for different angles. The blowpipe attachment can be operated with a blast from the mouth, a foot bellows, or other means of producing requisite air pressure. Gives needle, large or brush flames. When blowpipe attachment is removed it can be used as an efficient Bunsen Burner	6.00
1000	Blowpipe Lamp, Fletcher's (125), for sperm oil. The angle of wick holder can be adjusted by revolving it in the fixed collar. (The illustration is half size).....	2.50
	Bottles, Round, Narrow Mouth, flint glass:	
1155	Plain:	
	Capacity ounces ... 1 2 4 6 8 16 32	
	Doz. .... .72 .84 .96 1.20 1.50 2.00 3.60	
1156	With Glass Stoppers (Tinctures):	
	Capacity ounces ... 1 2 4 6 8 16 32	
	Doz. 1.80 2.00 2.40 .. 3.00 4.00 6.00	
	Bottles, Round, Wide Mouth, flint glass:	
1160	Plain:	
	Capacity ounces ... 1 2 4 6 8 16 32	
	Doz. .... .72 .84 .96 1.20 1.50 2.00 3.60	
1161	With Glass Stoppers (Saltmouths):	
	Capacity ounces ... 1 2 4 6 8 16 32	
	Doz. 1.80 2.00 2.40 .. 3.00 4.00 6.00	
	Bottles, Chemical, With Flat Hood Stoppers, flint glass:	
	Capacity ounces ... 1 2 4 8 16	
1165	Narrow Mouth, with Glass Stoppers (Tinctures), doz.	5.00 5.30 6.50 8.00 9.00
1166	Wide Mouth, with Glass Stoppers (Saltmouths), doz.	5.25 5.50 6.75 8.50 9.50



888—As a Bunsen Burner

WICK HOLDER TURNS
HALF A REVOLUTION.



No. 123.

1000

1156



1155



888—As a Blowpipe



885a



1166



1165



885b



1210



1160



1161

Bottles, Round, Flint Glass, With Squat Stoppers:							
	Capacity ounces	4	8	16	32		
58	Narrow Mouth, doz.	2.40	3.60	5.20	6.20		
59	Wide Mouth, doz.	2.75	4.80	5.75	7.20		
Bottles, Extra Wide Mouth, flint glass:							
72	Capacity oz.	1	2	3	4	6	8
	Doz.	1.00	1.20	1.50	1.80	2.00	2.40
Bottles, Square Body, Tall Form, Narrow Mouth:							
	Capacity oz.	1	2	4	8	16	32
00	Plain doz.	.75	.80	1.00	1.25	2.00	3.00
01	With Glass Stoppers doz.	1.75	2.00	2.25	3.00	4.00	6.00
Bottles, Square Body, Tall Form, Wide Mouth:							
05	Capacity oz.	1	2	4	8	16	32
	Plain doz.	.75	.80	1.00	1.25	2.00	3.00
00	Bottles, Inverted (or Specimen Jars), useful for exhibiting chemicals, specimens, grains, etc.:						
	Capacity oz.	2	4	8	16	32	64
	Height inches	3 $\frac{3}{4}$	4 $\frac{3}{4}$	6	7 $\frac{3}{4}$	9	11
	Dozen	3.00	3.20	4.00	5.20	7.20	12.00
00	Bottles, Acid, With Glass Stoppers, as used for acids:						
	Capacity	8 oz.	16 oz.	32 oz.	64 oz.	1 gal.	2 gals.
	Doz.	3.60	4.80	6.00	9.00	12.00	30.00



1280



1286

1280 Bottles, Reagent, With Indestructible Vitrified Labels, presenting a smooth white background against which the transparent letters and symbols are distinctly defined.
These bottles are made from glass which is free from lead, zinc or other metallic flux:

a	125 cc, height 133 mm, doz.....	7
b	250 cc, height 165 mm, doz.....	8
c	500 cc, height 197 mm, doz.....	9
d	1000 cc, height 240 mm, doz.....	12

(Any of the 125 cc bottles can be furnished with Wide Mouth when so specified in the order.)

Acetic Acid, $\text{HC}_2\text{H}_3\text{O}_2$,
Alcohol, $\text{C}_2\text{H}_5\text{OH}$
Ammonia, NH_3 ,
Ammon. Carbonate
Ammon. Carbonate, $(\text{NH}_4)_2\text{CO}_3$,
Ammon. Chloride
Ammon. Chloride, NH_4Cl
Ammon. Hydroxide
Ammon. Hydroxide, NH_4OH
Ammon. Hydrox. Conc.
Ammon. Hydrox. Dil.
Ammon. Molybdate, $(\text{NH}_4)_6\text{Mo}_7\text{O}_{24}$,
Ammon. Oxalate
Ammon. Oxalate, $(\text{NH}_4)_2\text{C}_2\text{O}_4$,
Ammon. Phosphate, $(\text{NH}_4)_3\text{HPO}_4$,
Ammon. Sulphide (Amber)
Ammon. Sulphide, $(\text{NH}_4)_2\text{S}$ (Amber)
Ammon. Sulphocyanide, NH_4CNS
Antimonious Chloride, SbCl_3 ,
Argent. Nitr. Sol., AgNO_3 (Amber)
Barium Chloride, BaCl_2 ,
Barium Hydroxide, $\text{Ba}(\text{OH})_2$,
Barium Nitrate, $\text{Ba}(\text{NO}_3)_2$,
Benzol, C_6H_6 ,
Bromine Water, Br.
Calcium Chloride, CaCl_2 ,
Calcium Chlor. Anhydr., CaCl_2 ,
Calcium Hydroxide, $\text{Ca}(\text{OH})_2$,
Carbon Bisulphide
Carbon Disulphide, CS_2 ,
Carbon Tetrachloride
Chlorine Water, Cl_2
Chloroform, CHCl_3 ,
Chloroform, Pure
Citric Acid, $\text{H}_3\text{C}_6\text{H}_5\text{O}_7$,
Cobalt Nitrate, $\text{Co}(\text{NO}_3)_2$,
Cochineal Solution
Copper, Cu (Wide Mouth)
Cupric Sulphate, CuSO_4 ,
Esbach's Solution
Ether
Ethyl Alcohol
Fehling's Alkaline Sol.
Fehling's Copper Sol.
Fehling's Solution
Ferric Chloride, FeCl_3 ,
Ferrous Sulphate, FeSO_4 ,
Ferrous Sulphide, FeS
Formalin
Glycerin
Haines' Solution
Hydrobrom. Acid Dil., HBr
Hydrochloric Acid, HCl
Hydrochlor. Acid Dil.
Hydrochloric Acid Dil., HCl
Hydrocyan Acid, Dil., HCN
Hydrogen Peroxide, H_2O_2 ,
Hydrogen Sulphide (Amber)
Hydrogen Sulphide (Amber), H_2S
Hypophos. Acid Dil.
Indigo Solution
Iodine, I
Iodine Solution, $\text{I} + \text{KI}$
Lactic Acid
Lactic Acid, $\text{HC}_3\text{H}_5\text{O}_2$,
Lead Acetate, $\text{Pb}(\text{C}_2\text{H}_3\text{O}_2)_2$,

Lead Nitrate, $\text{Pb}(\text{NO}_3)_2$,
Litmus Paper (Wide Mouth)
Litmus Solution
Magnesia Mixture
Magnesium Sulphate, MgSO_4 ,
Manganese Dioxide, MnO_2 ,
Mercuric Chloride, HgCl_2 ,
Mercurous Nitrate, $\text{Hg}(\text{NO}_3)_2$,
Methyl Alcohol, CH_3OH
Methyl Orange
Millon's Reagent
Nessler's Reagent
Nickel Chloride, NiCl_2 ,
Nitric Acid, HNO_3 ,
Nitric Acid Conc.
Nitric Acid Dil.
Nitric Acid Dil., HNO_3 ,
Nitro Hydrochloric Acid
Nitro Hydrochloric Acid Dilute
Nitrosulphuric Acid
Oil Turpentine
Oxalic Acid, $\text{H}_2\text{C}_2\text{O}_4$,
Phenol, $\text{C}_6\text{H}_5\text{OH}$
Phenol Sulphonic Acid, $\text{C}_6\text{H}_4(\text{HSO}_3)\text{OH}$
Phenolphthalein
Phosphoric Acid Dil.
Platinic Chloride, PtCl_4 ,
Potassium Bichromate, $\text{K}_2\text{Cr}_2\text{O}_7$,
Potassium Bisulphate, KHSO_4 ,
Potassium Bromide, KBr ,
Potassium Carbonate, K_2CO_3 ,
Potassium Chlorate, KClO_3 ,
Potassium Chromate, K_2CrO_4 ,
Potassium Cyanide, KCN
Potass. Dichromate
Potassium Ferricyanide, $\text{K}_3\text{Fe}(\text{CN})_6$,
Potassium Ferrocyanide, $\text{K}_4\text{Fe}(\text{CN})_6$,
Potassium Hydroxide, KOH
Potassium Iodide, KI
Potassium Nitrate, KNO_3 ,
Potassium Sodium Tart.,
 $\text{KNaC}_4\text{H}_4\text{O}_6 + 4\text{H}_2\text{O}$
Potassium Sulphate, K_2SO_4 ,
Potassium Sulphocyanide, KSCN
Silver Nitrate (Amber)
Silver Nitrate, AgNO_3 (Amber)
Sodium Acetate, $\text{NaC}_2\text{H}_3\text{O}_2$,
Sodium Borate, $\text{Na}_2\text{B}_4\text{O}_7$,
Sodium Carbonate
Sodium Carbonate, Na_2CO_3 ,
Sodium Chlorate, NaClO_3 ,
Sodium Hydrobromate, NaBrO_3 ,
Sodium Hydroxide
Sodium Hydroxide, NaOH
Sodium Hypophosphite, NaPH_2O_2 ,
Sodium Nitrate, NaNO_3 ,
Sodium Phosphate, Na_2HPO_4 ,
Stannous Chloride, SnCl_2 ,
Starch (Wide Mouth)
Sulphuric Acid, H_2SO_4 ,
Sulphuric Acid Dil.
Sulphuric Acid Dil., H_2SO_4 ,
Test Paper (Wide Mouth)
Turmeric
Zinc, Zn (Wide Mouth)
Zinc Sulphate, ZnSO_4 ,

Reagent Bottles, With Labels, Moulded in the Glass, and surface ground to render them easy to read. The glass from which these bottles are made is free from lead, zinc or other metallic flux:

285	Reagent Bottles, Wide Mouth, 4 oz., or 125 cc, height 4 $\frac{7}{8}$ inches, doz.....	3.75
No.	No.	
314. Ammonium Sulphate, $(\text{NH}_4)_2\text{SO}_4$	313. Sodium Ammonium Hydrogen Phosphate, $\text{Na}(\text{NH}_4)\text{HPO}_4 + 4\text{H}_2\text{O}$	
304. Borax, $\text{Na}_2\text{B}_4\text{O}_7$	301. Sodium Carbonate, Na_2CO_3	
305. Ferrous Sulphate, FeSO_4	312. Test Paper	
303. Potassium Cyanide, KCN	307. Blank	
302. Potassium Nitrate, KNO_3		
286	Reagent Bottles, Narrow Mouth, 4 oz., or 125 cc, height 5 $\frac{1}{4}$ inches, doz.....	3.25
No.	No.	
1. Hydrogen Sulphide (Amber), H_2S	35. Ether $(\text{C}_2\text{H}_5)_2\text{O}$	
2. Hydrochloric Acid, HCl	36. Cupric Sulphate, CuSO_4	
3. Acetic Acid, $\text{HC}_2\text{H}_3\text{O}_2$	37. Platinic Chloride, PtCl_4	
4. Sulphuric Acid, H_2SO_4	38, 39, 40. Blank	
5. Nitric Acid, HNO_3	58. Fehling's Solution	
6. Potassium Ferrocyanide, $\text{K}_4\text{Fe}(\text{CN})_6$	59. Sodium Carbonate, Na_2CO_3	
7. Potassium Sulphocyanide, KCNS	60. Sodium Acetate, $\text{NaC}_2\text{H}_3\text{O}_2$	
8. Potassium Carbonate, K_2CO_3	61. Sodium Hydroxide, NaOH	
9. Potassium Sulphate, K_2SO_4	77. Ammonia, NH_3	
10. Potassium Iodide, KI	81. Stannous Chloride, SnCl_2	
11. Potassium Ferricyanide, $\text{K}_3\text{Fe}(\text{CN})_6$	82. Ammonium Molybdate, $(\text{NH}_4)_6\text{MoO}_7$	
12. Potassium Hydroxide, KOH	83. Carbon Disulphide, CS_2	
13. Potassium Dichromate, $\text{K}_2\text{Cr}_2\text{O}_7$	86. Mercurous Nitrate, $\text{Hg}_2(\text{NO}_3)_2$	
14. Sodium Phosphate, Na_2HPO_4	87. Indigo Solution	
15. Ammonium Hydroxide, NH_4OH	88. Nessler's Solution	
16. Ammonium Sulphide (Amber), $(\text{NH}_4)_2\text{S}$	90. Magnesia Mixture	
17. Ammonium Chloride, NH_4Cl	93. Oxalic Acid, $\text{H}_2\text{C}_2\text{O}_4$	
18. Ammonium Carbonate, $(\text{NH}_4)_2\text{CO}_3$	94. Picric Acid, $\text{C}_6\text{H}_3\text{OH}(\text{NO}_2)_3$	
19. Ammonium Oxalate, $(\text{NH}_4)_2\text{C}_2\text{O}_4$	96. Potassium Chromate, K_2CrO_4	
20. Barium Chloride, BaCl_2	97. Ammonium Sulphydrate, NH_4HS	
21. Calcium Chloride, CaCl_2	100. Mercuric Potassium Iodide	
22. Calcium Sulphate, CaSO_4	401. Barium Nitrate, $\text{Ba}(\text{NO}_3)_2$	
23. Calcium Hydroxide, $\text{Ca}(\text{OH})_2$	404. Silver Sulphate, Ag_2SO_4	
24. Magnesium Sulphate, MgSO_4	406. Bromine Water	
25. Mercuric Chloride, HgCl_2	407. Chloroform, CHCl_3	
26. Silver Nitrate (Amber), AgNO_3	408. Cochineal	
27. Lead Acetate, $\text{Pb}(\text{C}_2\text{H}_3\text{O}_2)_2$	409. Coralline	
28. Ferrous Sulphate, FeSO_4	410. Litmus	
29. Ferric Chloride, FeCl_3	411. Methyl-Orange	
30. Alcohol, $\text{C}_2\text{H}_5\text{OH}$	412. Phenolphthalein	
31. Ammonium Sulphocyanide, NH_4CNS	413. Turmeric	
32. Barium Hydroxide, $\text{Ba}(\text{OH})_2$	414. Iodine Solution, $\text{I} + \text{KI}$	
33. Barium Carbonate, BaCO_3	415. Methyl Alcohol, CH_3OH	
287	Reagent Bottles, Narrow Mouth, 8 oz., or 250 cc, height 6 $\frac{1}{2}$ inches, doz.....	4.25
No.	No.	
101. Sulphuric Acid Con., H_2SO_4	114. Barium Chloride, BaCl_2	
102. Sulphuric Acid Dil., H_2SO_4	116. Blank	
103. Nitric Acid Con., HNO_3	122. Ammonium Sulphide (Amber), $(\text{NH}_4)_2\text{S}$	
104. Nitric Acid Dil., HNO_3		
105. Hydrochloric Acid Con., HCl	126. Alcohol, $\text{C}_2\text{H}_5\text{OH}$	
106. Hydrochloric Acid Dil., HCl	129. Sodium Phosphate, Na_2HPO_4	
107. Hydrogen Sulphide (Amber), H_2S	130. Ammonium Oxalate, $(\text{NH}_4)_2\text{C}_2\text{O}_4$	
108. Ammonium Hydroxide, NH_4OH	131. Acetic Acid, $\text{HC}_2\text{H}_3\text{O}_2$	
109. Ammonium Chloride, NH_4Cl	145. Silver Nitrate (Amber), AgNO_3	
110. Ammonium Carbonate, $(\text{NH}_4)_2\text{CO}_3$	150. Potassium Hydroxide, KOH	
111. Sodium Hydroxide, NaOH	151. Calcium Hydroxide, $\text{Ca}(\text{OH})_2$	
112. Sodium Carbonate, Na_2CO_3	152. Lead Acetate, $\text{Pb}(\text{C}_2\text{H}_3\text{O}_2)_2$	
288	Reagent Bottles, Narrow Mouth, 16 oz., or 500 cc, height 7 $\frac{3}{4}$ inches, doz.....	6.25
No.	No.	
204. Ammonium Hydroxide, NH_4OH	216. Nitric Acid, HNO_3	
211. Blank	217. Hydrochloric Acid, HCl	
215. Sulphuric Acid, H_2SO_4		
289	Reagent Bottles, Narrow Mouth, 32 oz., or 1,000 cc, height 9 $\frac{1}{2}$ inches, doz.....	8.00
No.	No.	
501. Sulphuric Acid Con., H_2SO_4	505. Hydrochloric Acid Con., HCl	
502. Sulphuric Acid Dil., H_2SO_4	506. Hydrochloric Acid Dil., HCl	
503. Nitric Acid Con., HNO_3	511. Blank	
504. Nitric Acid Dil., HNO_3		



1385a



1385b



1295



1415



1420



1345



1340



1355



1425



1350



1292



1560a



1570



1440



1445b



1445a



1580



1600



1602



1601



1603

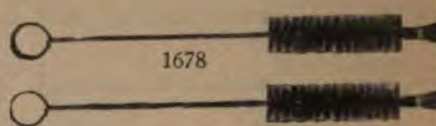
1292	Bottle Caps, Glass, for reagent bottles, covering the neck and stopper:						
	To fit bottles of (capacity cc).....	125	250	500	1000		
	Inside diam. mm	32	41	47	54		
	Inside height mm	50	60	63	66		
	Each .....	.12	.15	.16	.18		
1295	Bottles, Aspirator, heavy clear glass, with tubulature at bottom:						
	Capacity cc	250	500	1,000	2,000	4,000	
	Each	1.00	1.50	2.00	3.00	4.00	
1298	Bottles, Aspirator, clear glass, with connecting tube at base for attaching rubber tubing:						
	Capacity cc	125	250	500	1,000	2,000	4,000
	Each	1.00	1.25	1.50	2.00	3.00	4.00
1300	Bottles, Aspirator, heavy glass, with glass stopper and glass stopcock ground into tubulature near bottom:						
	Capacity cc	250	500	1,000	2,000	4,000	
	Each	3.50	4.50	5.00	5.50	7.00	
1340	Bottles, Dropping, with ground-in glass pipette, and with or without rubber bulb:						
	Capacity cc		15	30	50		
	a Without Rubber Dropping Bulb.....		.30	.33	.36		
	b With Rubber Dropping Bulb.....		.33	.36	.40		
1342	Bottles, Dropping, Barnes, with combination rubber stopper and bulb, and glass pipette:						
	a Capacity 30 cc .....						.10
	b Capacity 60 cc .....						.15
1343	Combined Rubber Stopper and Bulb, With Glass Dropper or Pipette, to fit narrow mouth bottles, as used with Dropping Bottles No. 1342:						
	a To fit 30 cc bottles, each.....						.05
	b To fit 60 cc bottles, each.....						.06
1344	Bottles, Eye Dropping, with combination rubber stopper and pipette:						
	Capacity cc			15	30		
	Each .....			.10	.15		
1345	Bottles, Acid, Bulb Top and Dropper, ground to fit:						
	Capacity ounces		1	1½	2½		
	Dozen		3.00	3.60	4.20		
1348	Bottle, Balsam, with ground glass cap and pointed glass dropper, 1½ oz.....						.40
1350	Bottle, Balsam, with glass rod and ground glass cap, for microscopic work:						
	Capacity ounces			1½	2		
	Each .....			.40	.50		
1355	Bottles, Dropping, TK, with grooved stopper for regulating flow of drops:						
	Capacity cc		15	30	60		
	Each .....		.30	.35	.40		
1360	Bottles, Dropping, Schuster, with curved tapering neck:						
	Capacity cc			30	60		
	a Without glass stopper, each.....			.40	.60		
	b With glass stopper, each.....			.60	.80		
1370	Bottle, Cedar Oil, with metal cap and spiral wire dropper, as used with oil immersion microscopic objectives						1.25
1372	Bottle, Cedar Oil, with rubber stopper and glass rod. Capacity 30 cc.....						.15
1380	Bottles, Graduated, For Mixing, with ground glass stoppers:						
	Capacity cc	100	250	500	1,000	2,000	
	Each	1.25	1.50	2.00	4.00	6.00	
1385	Bottles, Graduated, wide mouth, without stoppers:						
	a Apothecaries Measure:						
	Capacity ounces	16	32	64	128		
	Each	1.50	1.75	2.50	4.00		
	b Metric Measure:						
	Capacity cc	500	1,000	2,000	4,000		
	Each	1.75	2.00	3.00	4.50		
1395	Bottles, Oil Sample, round, tall and slender:						
	Capacity ounces	1	2	4	8		
	Each .....	.07	.08	.12	.15		
1396	Bottle, Oil Sample, Extra Long, with cork lined metal screw cap, capacity 4 oz., length 6¾ in., diam. 1 7/16 in. Sold only in cartons of 24						3.50
1400	Carboys, Glass:						
	Capacity gallons			5	10		
	a Glass Carboy only			3.50	6.00		
	b Complete with crate			7.50	10.00		
1410	Bottles, Round, With Metal Screw Caps, Low Form, for specimens, etc...Sold only in dozen lots:						
	Capacity ounces	1	2	4	6	8	16
	Dozen .....	.60	.75	.90	1.10	1.25	1.75
1412	Bottles, Round, With Metal Screw Caps, Tall Form, for specimens, etc. Sold only in dozen lots, packed in carton:						
	Capacity ounces	1	2	4	8	16	
	Dozen .....	.75	1.00	1.25	1.50	2.00	

1415	Bottles, Square Body, With Metal Screw Caps, cork lined, for specimens, etc. Sold only in dozen lots:								
	Capacity ounces	1	2	4	8				
	Dozen .....	.60	.75	.90	1.20				
	Bottles, Specific Gravity, usual form with perforated glass stoppers:								
	Capacity cc	5	10	25	50	100			
1420	Unadjusted .....	.60	.75	1.00	1.25	1.75			
1425	Adjusted at 20°C	1.25	1.50	1.75	2.00	2.75			
1428	Bottles, Specific Gravity, Geissler's, with thermometer ground to fit bottle, provided with side neck capillary tube and cap:								
	Capacity cc	10	25	50	100				
	Each	4.50	5.00	5.50	7.50				
1430	Bottle, Specific Gravity, Le Chatelier, for cement, made according to specifications of the Bureau of Standards. (Without certificate)								
	(A certificate by the Bureau of Standards will be obtained, when ordered, at actual cost.)								
1432	Bottles, Specific Gravity, Double Wall With Vacuum (Boot's), for maintaining constant temperature. Supplied with perforated stopper and ground cap:								
	Capacity 25 cc								
	Capacity 50 cc								
1435	Bottles, Specific Gravity, For Liquids, Regnault's, with ground glass stopper:								
	Capacity 25 cc								
	Capacity 50 cc								
1436	Bottles, Specific Gravity, For Solids, Regnault's, with ground-in neck and glass stopper:								
	Capacity 25 cc								
	Capacity 50 cc								
1440	Bottles, Washing, with ground-in glass stopper, for volatile liquids:								
	Capacity cc	250	500	1,000					
	Each	1.50	2.00	2.50					
1445	Bottles, Washing, regular form, fitted with rubber stopper, glass blowing and delivery tubes:								
	Capacity cc	125	250	500	750	1,000			
	a Plain .....	.35	.45	.55	.65	.75			
	b With Rubber Joint .....	.40	.50	.60	.70	.80			
1448	Bottles, Washing, Heavy Glass, Ring Neck Covered With Wicker, adapted for hot water:								
	Capacity cc	150	250	500	700	1,000			
	Each	1.00	1.20	1.30	1.40	1.50			
1500	Bottles, Wax or Ceresine, for hydrofluoric acid:								
	Capacity cc	30	125	250	500				
	Each .....	.40	.75	.90	1.20				
1505	Bottles, Hard Rubber, square body, with screw top, as used for hydrofluoric acid:								
	Capacity ounces	1	2	4	6	16	32		
	Each .....	.60	.75	1.00	1.50	1.75	4.75		
1560	Bottles, Weighing, Tall Form, with ground glass stopper:								
	a Flat Bottom:								
	b Round Bottom:								
	Height mm	50	50	65	75	75	80	100	125
	Diam. mm	15	20	15	15	25	15	25	25
	Each .....	.35	.45	.40	.40	.50	.40	.70	.90
1570	Bottles, Weighing, Wide Form, Medium Height, flat bottom, with ground glass stopper:								
	Height mm	40	50	50	60	70	80		
	Diam. mm	25	30	40	30	35	40		
	Each .....	.40	.50	.70	.60	.70	.90		
1575	Bottles, Weighing, Contracted Neck, with ground-in glass stopper:								
	Height mm	50	50	50	65	75			
	Diam. mm	25	30	40	50	40			
	Each .....	.50	.60	.70	1.00	.90			
1580	Bottles, Weighing, Low Form, flat bottom, with ground glass stopper:								
	Height mm	30	30	30	50				
	Diam. mm	50	60	70	60				
	Each	1.35	1.85	2.35	1.50				
1600	Bottles, Woulff, With Two (2) Necks:								
	Capacity cc	125	250	500	1,000	2,000			
	Each	1.25	1.40	1.75	2.50	4.00			
1601	Bottles, Woulff, With Two Necks, and Tubulature at Bottom:								
	Capacity cc	250	500	1,000	2,000				
	Each	1.75	2.25	3.25	4.50				
1602	Bottles, Woulff, With Three (3) Necks:								
	Capacity cc	125	250	500	1,000	2,000			
	Each	1.25	1.50	2.25	3.50	4.75			
1603	Bottles, Woulff, With Three (3) Necks, and Tubulature at Bottom:								
	Capacity cc	250	500	1,000	2,000				
	Each	2.00	2.4						
1605	Bottles with Narrow Mouth and Tubulature at b-								
	Capacity, gallons	$\frac{1}{2}$							
	Each	2.25							

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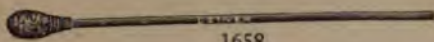
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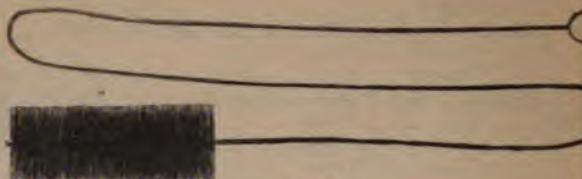
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1660



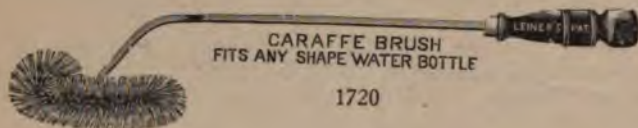
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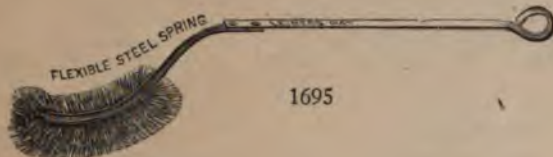
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1692



1720



1695



1685



1670



1688



1672



1675



1710

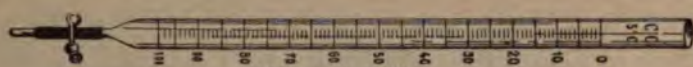


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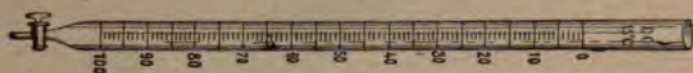


1680

1720	Brush, Carafe, suitable for cleaning bottles, flasks, etc., with spring steel and wooden handle30
1722	Brush, adapted for cleaning shelves, table tops, etc.:					
	a Coarse bristles .....					.75
	b Medium bristles					1.00
	c Fine bristles					1.50
1725	Brushes, Camel's Hair, Round, in quills:					
	Length of Hair mm.....	14	18	22		
	Each .....	.10	.12	.15		
1730	Brushes, Camel's Hair, flat, for cleaning scale pans, etc.:					
	Width inches	$\frac{1}{2}$	1	$1\frac{1}{2}$	2	
	Each .....	.30	.50	.75	1.00	
1732	Brush, Glass, For Acids, diam. 6 mm, with glass handle .....					.50
1768	Burettes, Dispensing, holding a large volume of liquid:					
	Capacity cc	250	500	1,000		
	a Without Stopcock or attachment.....	2.00	3.00	4.50		
	b With Stopcock	3.50	4.50	6.00		
	(The attachment for 1768a, consisting of glass tube, rubber connection and pinchcock, will cost, extra .....					.50)
1770	Burettes, Mohr's, subdivided into 1/10 cc, for use with pinchcock, not including attachment:					
	Capacity cc	10	25	50	75	100
	Each .....	.40	.50	.75	1.00	1.40
1770a	Burette Attachment, including glass tip, rubber tube and spring pinchcock.....					.30
1771	Burettes, Mohr's, with side filling tube, without attachment. Graduated into 1/10 cc:					
	Capacity cc	10	25	50	75	100
	Each .....	.50	.60	.90	1.10	1.50
1773	Burettes, "Standard," Guaranteed Accurate, sub-divided into 1/10 cc (certificates of accuracy by the Bureau of Standards will be furnished at actual cost):					
	Capacity cc	10	25	50	75	100
	a Without Stopcock or attachment.....	.60	.75	1.00	1.50	2.00
	b With Stopcock	1.75	2.25	2.75	3.25	3.75
	(The attachment for 1773a, consisting of glass tube, rubber connection and pinchcock, will cost .50 extra.)					
1775	Burettes, Schellbach, With Blue Line and White Background, graduated into 1/10 cc:					
	Capacity cc	25	50	100		
	a Without Stopcock or attachment.....	2.25	2.50	3.75		
	b With Glass Stopcock	3.25	3.75	5.00		
	(The attachment for 1775a, consisting of glass tube, rubber connection and pinchcock, will cost .50 extra.)					
1777	Burettes, Schellbach, With Side Filling Tube, graduated into 1/10 cc, without attachment or stopcock:					
	Capacity cc	25	50	100		
	Each	2.75	3.00	4.50		
1778	Burettes, Schellbach, With Three-Way Glass Stopcock, graduated into 1/10 cc:					
	Capacity cc	25	50	100		
	Each	5.50	6.00	7.50		
1780	Burettes, Mohr's, With Fresenius Stopcock, graduated into 1/10 cc:					
	Capacity cc	10	25	50	75	100
	Each	1.75	2.00	2.50	2.75	3.50
1782	Burettes, With Fresenius Stopcock, Also Side Filling Tube With Glass Stopcock, graduated into 1/10 cc:					
	Capacity cc	25	50	100		
	Each	4.50	5.00	6.00		
1800	Burettes, With Geissler Stopcock, graduated into 1/10 cc:					
	Capacity cc	10	25	50	75	100
	Each	1.40	1.70	1.90	2.20	2.75
1810	Burettes, With Three-Way Stopcock, graduated into 1/10 cc:					
	Capacity cc	25	50	100		
	Each	3.25	4.00	5.25		
1820	Burette, Squibb's, Automatic, including 50x1/10 cc burette, reservoir, clamp and suction tube (without pressure bulb).....					10.00
1875	Burette Attachment, consisting of glass tube, rubber connection and pinchcock:					
	a Straight, one-way .....					.25
	b Three-way, for side filling .....					.50
	c Glass tips only, doz.....					.36
1880	Burette Reading Lens Attachment, with adjustable eye-piece to fasten on the side of burettes					2.50
1890	Burette Floats, of glass:					
	a Beutel's, with bulb top.....					.50
	b Erdmann's, plain .....					.50
	c Schulz's, with thermometer					1.75
	d Vollhard's, with side projections to prevent adhering to walls of burette.....					1.00



1770 and 1770a



1800



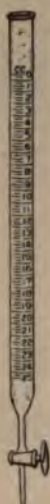
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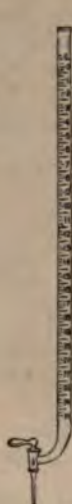
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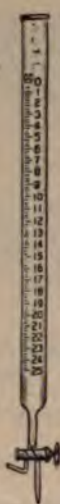
1771



1800



1780



1810



1910



1890b



1940



1930



1945



1970



1960b



1960a

1898	Burette Float, with thermometer.....	2.50
1910	Burette Caps, Glass (outside diameter of burette must be given when ordering):	
	To fit burette whose capacity in cc is.....	25 50 100
	Each .....	.10 .16 .20
1911	Burette Funnel, Glass, Small Size, for use in filling burettes .....	.20
1920	Gas Lighters, Metallic, for lighting Bunsen and other burners where gas is used. Eliminates the match and insures safety:	
	a With Wire Handle and Spark Tip. Good for about 1,500 lights, each.....	.30
	b Extra Spark Tips for above, doz.....	.75
	c Pocket Lighter, for holding gasoline, benzine or alcohol, with wick.....	.50
	d Extra Flint Spark Tips for above, doz.....	.75
	e Pistol Lighter, designed to "shoot" sparks into the gas without endangering the hand. Length 7 inches. Good for about 10,000 lights	1.00
	f Extra Renewal Spark Tips for above, doz.	1.20
1925	Burner, Acetylene Gas, Bunsen Form, 6 in. high, tube 9/16 in. diam.....	2.25
1930	Burners, Alcohol Lamps, Glass, usual form with wick, holder and ground glass cap:	
	Capacity ounces	2 3 4 8
	Each .....	.30 .35 .40 .50
1940	Burners, Alcohol Lamps, polished brass, with screw top:	
	Capacity ounces	2 4 8
	Each .....	.70 .80 1.00
1942	Burners, Alcohol Lamps, polished brass, with screw top and ratchet feed for wick:	
	Capacity ounces	3 5
	Each .....	.60 .75
1943	Burner, Alcohol Lamp, Large Flame, nickel plated brass, with detachable wick holder, capacity 2 oz. ....	.80
1945	Burner, Alcohol Lamp, Spun Copper, Large Flame, with reducer and cap. Capacity 4 oz. A serviceable burner for laboratory work	1.20
	a Extra wicks for above lamp, doz.....	.36
1950	Wicks, for Alcohol Lamps:	
	a Small size, doz. ....	.15
	b Medium size, doz. ....	.50
	c Large size, doz. ....	.75
1960	Burner, Barthel, Alcohol Stove, enameled iron, with brass reservoir. Safe, smokeless, no wick required. Adjustment for regulating size of flame:	
	a Single burner, capacity 1 pint.....	5.00
	b Two burners, capacity 2¼ pints.....	9.00
1970	Burner, Alcohol, Barthel, vertical form, with side attachment for regulating flame. An excellent substitute for the ordinary Bunsen burner. Generates its own gas.....	10.00
1980	Burners, Barthel, Alcohol, Bunsen Form, including 5 feet flexible metallic tubing and reservoir; capacity 1 quart; for alcohol. The flame is practically equivalent to two Bunsen burners	12.00
1992	Burner, Alcohol Stove, Nickel Plated Brass, with indestructible invisible wick. Generates own gas; very powerful; capacity 7 oz.....	1.50
1994	Burner, Alcohol Stove, Broad Flame, Adjustable for Height; noiseless, economical and safe, giving intense smokeless flame for three hours on one filling.....	6.00
1998	Burner, Alcohol Blast, vertical needle flame, copper case	3.50
2030	Burner, Kerosene Vapor Stove; automatically generates own gas, producing a high temperature blue flame without wick, smoke or odor. Air pressure pump attached. Height 9 in.:	
	a Burner only, without tripod.....	6.50
	b Burner complete with tripod attachment.....	8.00
2035	Burner, Optimus Wickless Kerosene Stove, polished brass. Gives perfect combustion and a high temperature blue flame free from smoke or odor. Includes side pressure pump and tripod attachment:	
	a With Roaring Burner	6.00
	c With Silent Burner	6.50
2040	Burner, Hot Blast Laboratory Torch, for gasoline; pint size. The flame is adjustable both as to size and direction. Provided with detachable tripod for supporting articles while heating	9.50
2045	Blast Lamp, Turner's Jewel Torch, gasoline, vertical flame	7.50
2050	Burners, Laboratory Torch, gasoline, pint size, with rigid vertical burner and wheel valve for regulating flame. May be used as Bunsen burner under ordinary tripod.....	8.00
2055	Burner, Adjustable Laboratory Torch, for gasoline, pint size. An adjustable stand permits the flame to be used at any desired angle. Fitted with automatic pump-in tank and adjustable tripod adapting it for use as a Bunsen burner:	
	a Torch with stand and tripod.....	8.50
	b Torch only	7.50
	c Stand and tripod only.....	4.50
2060	Blast Lamp, Fletcher's, Compound Blowpipe, for illuminating gas, adapted for experimental work where a wide range of flame adjustment is possible. Air and gas regulated automatically by single lever arm. Provided with pilot light.....	12.00



2045



2040



1980



2050



2035



2060



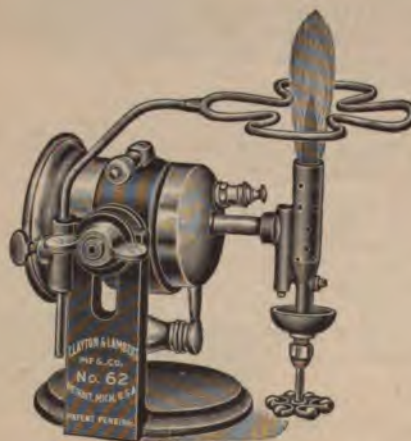
2082



2080



2096



2055



2090

Burners, or Blast Lamps, for coal gas:

Simple Laboratory Form, with three tips, on base	5.00
Compact Form, New Design, with gas and blast supply connections parallel, including three tips	4.75
Bunsen, Extra Large and Powerful, with two tips, much used by glass blowers on large work	9.00
French Form, With Ball Joint and three tips, easily adjusted to different angles....	5.00
Compound, Blast Lamp and Blowpipe, with lever control for both air and gas, pilot light, adjustable angles, heavy base.....	10.00

Burner, Bunsen, for coal gas, regular form with air regulator, 5½ in. high, tube 7/16 in. diam.40

Stansico Stabilized Burner (New), Bunsen Form. The special feature is the heavy cast base which is designed to be Self-Erecting in case the burner is accidentally hit or tipped over. Not only a means of fire-prevention, but lessens the risk to one's person, of spoiling an experiment, or of injuring apparatus.

The weight of the base also prevents it from being moved out of its proper position, when used for heating a vessel.

The shape of the base fits into a ring of the Ring Stand, where the burner may be supported at different heights, or adjusted to various angles:

a Bunsen Burner, regular form.....	.85
b Bunsen Burner, the base being provided with check valve for regulating gas.....	1.15
c Universal Burner, for low or high blast flame, controlled by single adjusting screw	1.85
d Meker Burner, the base provided with check valve for gas.....	3.00

Burner, Bunsen, With Central Draft to prevent clogging, for coal gas, height 5½ in., tube 7/16 in. diam.35

Burner, Bunsen (Pilot), Self-Lighting, with bi-pass tube for keeping gas lighted when turned low. For illuminating or natural gas, to be specified when ordered..... 1.50

Burner, Bunsen, With Pilot Light and Stopcock, for coal gas, height 6 in., tube ½ in. diam. 2.25

Burner, Bunsen, Low Form, curved neck, 3 in. high60

Burner, Illuminating, for table illumination, height 30 cm 1.50

Burner, Bunsen, Ring Form, with air regulator for attaching to supports or ring stands by means of clamps:

Diam. in.	3	4	5	6	8
a Without stopcock	1.60	1.75	2.00	2.25	3.00
b With stopcock	2.50	2.75	3.00	3.25	4.00

Burner, Tirrill, for either gasoline or coal gas. Independent gas and air regulators. Its substantial construction and wide range of flame make it a very efficient burner for general laboratory work 1.25

Burners, Tirrill, New Form, with only one control valve for both gas and air. Instantly adjusted to any desired size of flame. A powerful burner of proven merit..... 1.25

a With Set-Screw attachment for firmly securing adjustment when proper flame is produced

Burner, Argand, with flame regulator, useful for work where uniform temperature is desired:

a With glass chimney	1.20
b With iron chimney	1.20
c With mica chimney	1.30

Burner, Chaddock's, of Porcelain and White Fire Clay, non-corrosive and durable, adapted for use in fume closets or hoods. Complete with air regulator, support for dishes, chimney for triangles, asbestos disc and rings. Height 9 inches..... 4.50

Burner, Micro, height 5 cm, diam. of tube 6 mm, heavily nickel plated..... .40

Burner, Bunsen, with star for chimney and fork for attaching to stand, height 6 inches, tube 7/16 in. diam. 2.00

Burners, Bunsen, adapted for either coal, natural or gasoline gas:

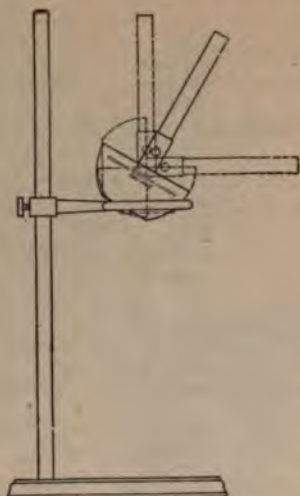
5a Simple form, height 6 in., tube 7/16 in. diam.	1.00
7b Ditto, with flame check and gas regulator	1.25
9a Detroit form, height 6 in., tube ½ in. diam.	1.15
10b Ditto, adjustable	1.50
5a Boyce form, adjustable, height 6 in., tube 7/16 in. diam. ....	.90
5b Ditto, with set screw	1.35

7 Burners, High Temperature Laboratory, air and gas regulated separately so that burner may be used for gasoline, coal or natural gas. Specially constructed to eliminate the low temperature cone found in the ordinary form of Bunsen burner:

Size	1	2	3
Height inches	6	6½	7
Diam. of grid inches.....	¾	1	1¼
Each	1.75	2.25	2.75



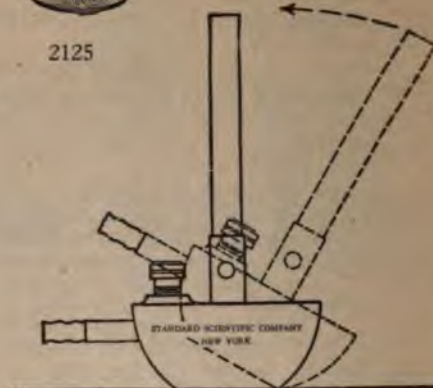
2195



2091—On Ring Stand



2125



2091



2105



2110



2170b



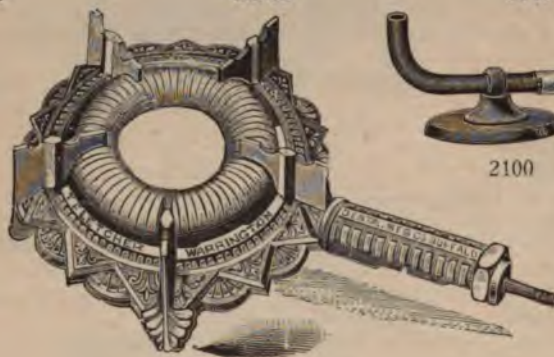
2115



2350



2122



2265



2100



2120



2220



2225



2185



2160

158	Burners, Compound, High Temperature Laboratory, same as 2157 but arranged in a row on single base:								
	a Row of four, small size No. 1.....								10.00
	b Row of four, medium size No. 2.....								15.00
	c Row of four, large size No. 3.....								20.00
160	Burners, Clustered or Compound, Bunsen, on stand:								
	No. of Burners.....	2	3	4	6				
	Each	2.25	2.50	2.75	3.50				
165	Burners, Clustered or Compound, Bunsen, arranged in straight row, on base, height 6¾ in., tubes 7/16 in. diam:								
	a Three tubes in row								2.25
	b Four tubes in row								3.00
170	Burners, Compound, Bunsen, in straight row, on single base, with stopcock for gas supply for each burner tube. Height 8 in., tube 7/16 in. diam.:								
	a Three tubes in row								6.00
	b Four tubes in row								7.00
172	Burners, Bunsen, Set of Four In Row, on Stand, With Two Adjustable Forked Supports for Combustion Tube. Each burner has a stopcock, and is adapted for use on either coal, natural or gasoline gas.....								12.00
173	Burners, Bunsen, Four in Row With Stopcock and Wing Top for Each Burner Tube; mounted on tripod base with clamps and Y-pieces and trough for supporting tubes								12.00
180	Burner, Roger's Ring, for heating platinum crucibles, the flame surrounding the crucible at the upper portion. Platinum triangle included								9.00
185	Burner, Koch's Safety, with automatic stopcock to shut off gas after the flame has gone out:								
	a Small size, 5 in. high.....								6.50
	b Ditto, large size, 6 in. high.....								7.00
195	Burner, Koch's Safety, but on Tripod:								
	a Small size, 9 in. adjustable to 13 inches.....								8.00
	b Large size, 10 in. adjustable to 14 inches.....								9.00
198	Burner, Large Flame, gauze top about 2¼ in. diam., height 5 in., length 14 inches, on cast base, for coal gas								3.00
215	Burners, Evaporating, Fletcher's, made of copper, adapted for heating glass or porcelain vessels, as well as for general heating work in the laboratory. Top contains large number of small holes, giving smokeless blue flame. Not easily extinguished by splashes or air currents. Height 1½ inches:								
	Diam. in.	4	5	6½	7¾	9¼	10¼	12	
	Each	3.00	3.25	4.00	5.00	5.75	8.50	10.50	
220	Burners, Evaporating, Fletcher's, with numerous holes; gives small smokeless blue flames. Similar to 2215, but made of cast iron:								
	Diam. in.				4	5	6½		
	Each				2.25	2.50	3.75		
225	Burners, Solid Flame, Fletcher's, with gauze top and three rests for supporting plates or vessels for quick boiling and evaporation:								
	a Diam. 3¾ inches, for coal gas.....								3.00
	b Ditto but with wheel valve for gasoline gas								8.00
	c Diam. 4¼ inches, for coal gas.....								4.00
	d Ditto but with wheel valve for gasoline gas								9.00
242	Burners, Solid Flame, with three projections for supporting dishes:								
	For Coal Gas:								
	a Diam. 3 inches								2.00
	b Diam. 4 inches								2.50
	For Gasoline Gas, with wheel valve:								
	c Diam. 3 inches								4.00
	d Diam. 4 inches								5.00
265	Burner, Radial, Fletcher's, efficient and durable. Made of annealed cast iron. Provided with 5 projections for supporting plates or dishes. Adapted for coal or water gas. The flame is practically solid without tendency to form a point at the center:								
	a Diam. burner ring 3¾ in.....								2.50
	b Diam. burner ring 5 in.....								3.00
	(Fitted for use with gasoline gas. Information on request.)								
272	Burners, Radial, with three projections for supporting dishes:								
	For Coal Gas:								
	a Diam. 3½ inches								3.00
	b Diam. 5 inches								4.00
	For Gasoline Gas, with wheel valve:								
	c Diam. 3½ inches								5.00
	d Diam. 5 inches								6.00
300	Heater for Flasks, Electric, adapted for distillation of inflammable liquids. Will accommodate 1,000 cc flasks. Includes tripod support, incandescent lamp for 110 volts, cord and plug								12.00
45	Burner, Blast Flame, Tirrill, flared at top, adjustable with one movement producing temperature of 2,000° F.....								3.50



2380



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2422



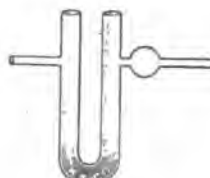
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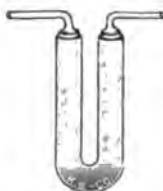
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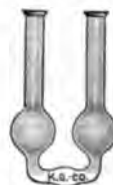
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2600

50	Burners, Meker, High Temperature, with adjustment for air and gas, flared top provided with grid:					
	Size No.	1	2	3	4	5
	Diam. Burner mm	16	20	24	30	43
	Height Burner mm	115	130	155	190	250
	a For Coal Gas	2.50	2.75	3.50	4.00	8.00
	b For Gasoline Gas	2.75	3.00	4.00	4.50	9.00
	c For Natural Gas	2.75	3.00	4.00	4.50	9.00
51	Burners, Meker, Four in Row, With Base; size of burner No. 3:					
	a For Coal Gas					18.00
	b For Natural Gas					22.00
52	Burner, High Temperature, Improved Meker Form, adapted for use on coal, natural or gasoline gas. Diam. of top 20 mm:					
						3.00
53	Burner, Meker, With Bent Neck, designed for use in either vertical or horizontal position. For coal gas. Diam. flame 30 mm:					
	a For Coal Gas					6.00
	b For Gasoline Gas					6.50
	c For Natural Gas					6.50
54	Burner, Meker, with a flat narrow flame. Top of burner 15x50mm, height 225 mm:					
	a For Coal Gas					7.00
	b For Gasoline Gas					7.50
	c For Natural Gas					7.50
55	Blowpipe Tube, fitting inside the tube of Bunsen burners, for blowpiping					
						.20
60	Blowpipe Tip, for Bunsen Burners:					
	a For 7/16 inch Burner ....					.12
	b For 1/2 inch Burner ....					.15
65	Wing Top, Fitting Bunsen Burners, for spreading flame, bending glass tubes, etc.:					
	a For 7/16 inch Burner ....					.12
	b For 1/2 inch Burner ....					.15
68	Chimney, Sheet Iron, With Support, for attaching to Bunsen burner:					
	a For 7/16 inch Burner ....					.75
	b For 1/2 inch Burner ....					.85
70	Chimney, Sheet Iron, for protecting flame of Bunsen burner; without support:					
	a Small size, 2 inch diam. at bottom.....					.10
	b Large size, 2 1/2 inch diam. at bottom.....					.12
71	Burner Crown, for attaching to Bunsen burners. Gives round flame. Useful for heating small dishes:					
	a For 7/16 inch Burner ....					.50
	b For 1/2 inch Burner ....					.60
75	Burner Star, for supporting chimney, fitted with set screw for attaching to Bunsen burners:					
	a For 7/16 inch Burner ....					.25
	b For 1/2 inch Burner ....					.28
80	Burner Tripod, for Attaching to Bunsen Burners, to support small dishes:					
	a For 7/16 inch Burner ....					.16
	b For 1/2 inch Burner ....					.20
90	Gauze Top for Bunsen Burners, giving large, round flame:					
	a For 7/16 inch Burner ....					.26
	b For 1/2 inch Burner ....					.30
95	Burner Guard, vitrified earthenware, for protecting the flame of Bunsen burners from drafts. May be also used as a support. Height 9 in.; base 8 in. diam.; top 5 in. diam.....					
						.50
98	Burner, Gas Stove, Single, for coal gas.....					
						1.50
99	Burner Fork, for supporting Bunsen burners to ring stand, or supports					
						.25
99	Calcium Chloride Jars, or Drying Towers, glass, with tubulature at base:					
	Height inches		8	10	12	
	Each		2.25	3.00	4.00	
99	Calcium Chloride Jars, or Drying Towers, glass, similar to 2402, but having ground glass stopper and side tube at top, with a tubular connection at base:					
	Height inches		8	10	12	
	Each		4.00	5.50	6.00	
	Calcium Chloride Drying Tubes, Straight Form:					
	Length, inches	3	4	5	6	8
5	With One Bulb, each.....	.09	.10	.12	.13	.15
10	With Two Bulbs, each ....	.10	.11	.13	.15	.18
12	With Two Bulbs and small inner tube to collect moisture at first bulb.....	.18	.20	.24	.26	.33
						.40
	Calcium Chloride Drying Tubes, U-Shape:					
	Length, inches	3	4	5	6	8
0	Plain U, each ....	.15	.18	.20	.25	.30
5	With Side Tubes, each.....	.20	.25	.30	.40	.45
8	With Side Tubes and ground glass stoppers (Schwartz), each.....	1.25	1.40	1.50	1.75	2.00

(Continued)



2776



2879—In Use



2879



2778

Calcium Chloride Drying Tubes—(Continued).

Length inches	3	4	5	6	7	8	10
With Side Tubes and Bulb, each..	..	..	.40	.50	..	.60	..
Marchand's, with cork and connecting tube, each	..	.30	.40	.50	..	..	..
Peligo's, with three bulbs, each..	..	.35	.40	.50	.60	.80	..
With Ground Outlets, bent, each..	..	.90	1.00	1.20	..	..	..

Calcium Chloride Cylinders, with perforated glass stopper and side tubulation at top:

Height mm	210	260	315
Each	3.25	3.75	4.00

Calcium Chloride Cylinders, glass, tall form, with tubulation near bottom:

Height mm	210	260	315
a Narrow Mouth	1.25	1.50	2.00
b Wide Mouth:	1.25	1.50	2.00

Caliper, Vernier, Metric, reading to 0.1 mm, length 10 cm., Wide jaws 4.75

Carr Adiabatic Oxygen Bomb Calorimeter. A Calorimeter developed and perfected by

Professor S. W. Parr, which has been in successful operation for the past three years. A new system is employed which insures a degree of accuracy not possible with pneumatic or vacuum methods. Water is kept circulating constantly throughout the cover and on all sides of the jacket, the temperature of which is under the positive control of the operator. By turning the proper valve, either cooler or warmer water is instantly admitted and immediately distributed throughout the jacket, permitting the operator to keep the temperature controlled in either direction to correspond absolutely with that in the calorimeter proper. This is a feature not found in any other commercial calorimeter. By this means errors due to radiation or to conductivity lag are eliminated and the use of calculations made unnecessary. The cover is pivoted so that it swings out of the way in a horizontal plane, carrying the thermometer with it, thus reducing the danger of breakage to a minimum.

This instrument complete with water container, Illum Bomb, adiabatic water jacket, rotary stirrers, pressure gauge and needle valve with oxygen connection and couplings, special ignition wire and gaskets, but without thermometers or motor, heater or heater burner 400.00

a Heater for water supply system 25.00

b Heater Burner 1.00

c Electric Motor, Variable Speed, 110 V., A C or DC 28.00

d Electric Motor, Variable Speed, 220 V., A C or DC 28.00

Carr Oxygen Bomb Calorimeter. The principles and methods of operation of this calorimeter are those underlying the older type of Bomb Calorimeter such as Berthelot, Mahler, Kroecker and Atwater. The advantages of this Calorimeter as compared with the older types are found in the material of the Bomb and the ingenious device which forms the oxygen inlet.

The Bomb is made of an acid resisting alloy, superior in strength to the best tool steel. It is unlined and has been brought to such a high degree of perfection that the apparatus is the equivalent of the platinum lined instrument even to the most exacting degree of refinement. This eliminates the problem of expense connected with the use of platinum and gold lined bombs. It also avoids the serious corrosive deterioration of bombs wherein the shell supporting the platinum is made of steel, as well as the breakage in connection with enamel lined bombs. By using solid metal it has been possible to introduce features which result in greatly increased facility of operation. Perhaps the most notable is the substitution of rubber gaskets for lead. The needle valve is replaced by an automatic device which avoids the difficulties common to the usual methods of sealing at the inlet.

This calorimeter complete with bomb, water container, insulating vessel with cover, stirrer and pulley, oxygen connection with gauge, needle valve and couplings, one-half dozen capsules of special alloy, reading lens and ring support for holding calorimeter covers with thermometer, special ignition wire and gaskets—but without motor or thermometer 300.00

Carboy Stand or Rocker, for tilting acid carboys 6.00

Carboy Holder and Inclinator, for pouring dangerous acids. Easily manipulated with safety. The carboy is securely clamped to the frame, and by means of handle can be tilted on its bearings to any desired angle. The carboy returns to upright position if accidentally released. Holds any size of carboy, as well as cased cans and steel drums not exceeding 22½ in. wide and 29 in. high 17.50

Casserroles, Agateware, with handle:

Capacity cc	500	750	1,000	2,000
Diam. mm	110	125	150	175
Each	.50	.60	.75	1.00

Casserroles, Porcelain, Glazed With Exception of Rim, With Lip, Flat Porcelain Handle:

Coors:									
Size No.	1	2	3	3a	4	4a	5	6	7
Outside diam. mm	50	70	85	95	110	135	135	165	175
Inside diam. mm	47	66	80	90	105	130	130	160	170
Height mm	25	35	45	50	62	90	80	95	130
Capacity cc	30	75	150	210	375	500	750	1250	2000
Each	.35	.40	.50	.70	.90	1.15	1.40	2.00	3.50

(Continued)



2900



2910



2961



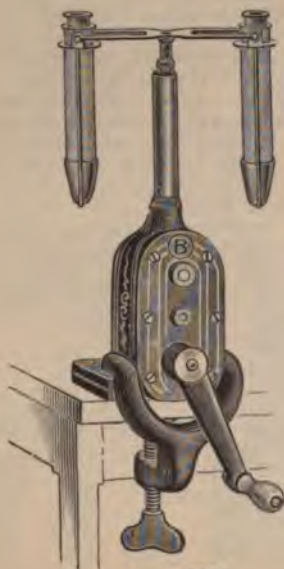
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2955



3105



3050



3110

Casserroles—(Continued).

Ohio:

Size No.	1	2	3	3a	4	5	6	7
Capacity cc	30	75	150	210	375	750	1250	2000
Diam. over body mm.	5	7	85	95	11	135	165	175
Each	.35	.45	.50	.70	.90	1.60	2.00	3.50

Casserole, Porcelain (Coors), glazed, with exception of rim, with lip and extra long handle. Size No. 4; diam. 117 mm; height 56 mm; capacity 360 cc 1.10

Casserroles, Porcelain, Glazed Inside and Out, with cover and wood handle:

Size No.	00	0	1	2	3	4
Capacity cc	125	250	375	500	720	1000
Diam. mm	90	105	110	120	152	172
Each	.60	.70	.90	1.10	1.75	2.25

Cement, Alundum Refractory, for covering and imbedding wire resistors, repairing muffles, cores, furnaces, etc. Mix cement with water to form plastic mass, apply when in this state, then dry by heating:

In lots of (pounds)	1	5	10
a Cement RA 162	.40	1.50	2.50
b Cement RA 355	.50	2.00	3.00
c Cement RA 305 and RA 518	.60	2.50	3.50

Cement, De Khotinsky's, useful for cementing glass, etc. Is not attacked by sulphuric, nitric or hydrochloric acid, carbon disulphide, benzene, water, etc. Is very little effected by caustic alkalis, chloroform, or ether. Comes in three grades:

a Hard, for glass, metal or porcelain, stick	.75
b Medium, for cementing or insulation, stick	.75
c Soft, for cementing or insulation, such as wires, wood, etc., stick	.75

Centrifuges, Electric, Purdy, substantially mounted on rigid base, for 110 or 220 volts D. C., or 105 volts A. C. of 60 cycles, with controlling lever for medium and high speeds. Can be attached to incandescent lamp service. When ordering specify kind of current as well as voltage:

	For 110 to 115 volts	For 220 volts
3P For Two Tubes	48.00	58.00
3PA For Four Tubes	54.75	68.25

Tubes and Accessories for Purdy Centrifuges No. 2955:

a Plain Glass Tube	.20
b Graduated Glass Tube 15 cc.	.55
c Percentage Tube for Blood Analysis, for use with Haematokrit	.75
d Plain Sputum Tube, for use with Haematokrit	.30
e Aluminum Shield for carrying Glass Tubes a and b	.30

Centrifuge, Electric, Purdy (3PE), for general laboratory use. Adapted for 100 to 115 or 220 volts D. C., or for alternating current. The rotating arm carries two metal tube shields and two graduated tubes 50 cc. Similar to No. 2955, but for larger tubes. Speed regulator in base. When ordering please specify kind and voltage of current

a If equipped for alternating current	56.25
	66.25

Centrifuge, Purdy, Hand Driven (10PE), otherwise similar to No. 2960 18.50

Tubes and Accessories for Purdy Centrifuge Nos. 2960 and 2961:

a Plain Glass Tube	.50
b Graduated Glass Tube 50 cc.	.75
c Metal Shield for above tubes	.75

Speed Controller, Adjustable, for use with Purdy Centrifuges No. 2955. Permits wide and gradual adjustment of speed, also for keeping speed constant 16.00

Dome Protector, for Purdy Centrifuges Nos. 2955 and 2965 15.00

Centrifuges, Electric, for Blood, Sputum and Milk Analysis, for A. C. or D. C. (110 volts), with rheostat for controlling speed. When ordering please specify kind of current used:

a Single Arm, Two Tubes, with one plain and one graduated glass tube 15 cc.	36.00
b Double Arm, Four Tubes, with two plain and two graduated glass tubes 15 cc.	38.00
c Single Arm, Two Tubes, with one plain and one graduated glass tube 50 cc.	40.00

Centrifuge, Electric, B. & L., with ball bearings, 1,800 R. P. M., including rheostat and two 15 cc tubes. Can be attached to ordinary lamp socket. Current consumption $\frac{3}{4}$ ampere:

a For 110 volts A. C. or D. C.	32.50
b For 220 volts A. C. or D. C.	37.50

Centrifuge, Hand Driven, with clamp for attaching to table top. Phosphor bronze gears, ball bearings, running smoothly and quietly. Speed 2,000 to 2,500 R. P. M. Holders are included:

	Protecting Tube With 15 cc Tubes	With 50 cc Tubes
a Single Arm, Two Tubes, including one each plain and one graduated tube	13.00	16.00
b Double Arm, Four Tubes, including two plain and two graduated tubes	16.00	20.00

- 3100 Hand Centrifuge, B. & L., Single-Speed, 1,200 R. P. M.; complete with two-arm sedimentation attachment, one tube graduated, 1-15 cc, and one tube ungraduated but with 15 cc mark
- 3105 Hand Centrifuge, B. & L., Double-Speed, 1,200 to 4,000 R. P. M.; complete with Daland's Haematokrit, automatic blood pipette and two sputum tubes, in addition to two-arm sedimentation attachment with one tube graduated, 1-15 cc, and one tube ungraduated but with 15 cc mark.....
- 3110 Centrifuge, Water Power, B. & L., complete with two-arm sedimentation attachment, one tube graduated, 1-15 cc, and one tube ungraduated, but with 15 cc mark, and with rubber hose and coupling
- 3115 Centrifuges, Electric, B. & L., for Two Tubes, with cord and plug ready for attaching to incandescent lamp socket. Equipped with a 5-step rheostat for regulating speed from 750 to 2,100 R. P. M. Includes one plain and one graduated glass tube 15 cc:
 a For 110 volts D. C.....
 b For 220 Volts D. C.....
 c For A. C. 110 volts, 60 cycles.....
- 3122 High Speed Centrifuge, Electric, With Guard and Cover, B. & L. Can be attached to ordinary lamp socket. Complete with rheostat. • Speed 600 to 3,600 R. P. M. Includes set of plain and graduated tubes 15 cc:
 a For 110 volts D. C.....
 b For 220 volts D. C.....
 c For 110 volts A. C., 60 cycles.....
 d Two-arm Sedimentation Attachment, with aluminum shields and set of tubes (2), extra
- 3126 Blood Lancet, automatic
- 3134 Haematokrit, with tubes for examination of blood and sputum
- 3138 Centrifuge Milk Tube for determining percentage of fats, graduated
- 3142 Centrifuge Pipette, 1 cc for filling milk tubes.....
- 3145 Centrifuge Tubes, Glass, standard form, plain and graduated:
 a 10 cc plain, doz.
 b 10 cc graduated, doz.
 c 15 cc plain, doz.
 d 15 cc graduated, doz.
 e 50 cc plain, doz.
 f 50 cc graduated, doz.
- 3155 Aluminum Shields for holding glass centrifuge tubes:
 a Size 15 cc, each
- 3355 Chamois Skins:
 Size (approx.) inches 6x8 9x11 10x13 14x18
 Each15 .25 .40 1.00
- 3360 Charcoal Blocks, for blowpipe analysis, of hard wood, doz.
- 3370 Charts, Spectrum:
 a Showing 6 Spectra and 12 Intermediate Colors, Complementary Colors, etc.....
 b Containing: K, Rb, Cs, Tl, Na, Li, Ca, Sr, Ba. Each spectrum measures about 5.5 cm wide by 52 cm long. Mounted on linen back with wooden rollers.....
 c Containing Those Mentioned Above Under "b" With the Addition of: In, C, Bo, Mn, Pb, Cu, Co, Ni, Fe
- 3380 Charts, Chemical, size 42x62 inches, on linen back with wooden rollers:
 a Chemical Elements With Atomic Weights
- 3386 Chimneys, Lamp:
 a Student's, 10½ inches long.....
 b Argand, plain 2x7 inches.....
- 3387 Chlorine Absorption Apparatus, with flask ground-on, Bunsen-Fresenius form
- 3388 Chlorine Tube, for decomposition of water by chlorine
- 3400 Clamp, Wood, for Flasks and Tubes, large size, with wire spring
- 3405 Clamp, Test Tube, Wooden, with wire spring.....
- 3410 Clamps, Test Tube, Wire Form, Nickel Plated, Stoddard's, very serviceable, will not break or burn:
 a Small, 4½ in. long
- 3425 Clamps, Chaddock's, japanned wire with rubber covered jaws:
 a For Beakers
 b For Evap. Dishes
 c For Flasks
- | | Small | Medium | Large |
|--------------------|-------|--------|-------|
| a For Beakers | .40 | .. | .50 |
| b For Evap. Dishes | .40 | .50 | .60 |
| c For Flasks | .40 | .. | .. |

30	Clamps, Burette, Universal, adjustable to different angles, with V-opening and set screw for attaching to ring stands and supports. One of the most convenient and widely used clamps for laboratory work in chemistry. Length about 6 inches; jaws opening about 1 $\frac{3}{8}$ inches:	
	a With Stamped Steel Jaws.....	.35
	b With Cast Iron Jaws, Rubber Covered.....	.55
	c Made of Polished Brass.....	.75
	d Nickel Plated Brass.....	1.00
45	Clamps, Burette, With Strong Spring Grip and Lever Release, with V-clamp and set screw for attaching to support or ring stand. Made for fixed position. Length 6 inches:	
	a Jaws opening $\frac{3}{4}$ in. ....	.55
	b Jaws opening 1 $\frac{1}{8}$ in. ....	.65
200	Clamp or Chart-Hanger, "Kling-Klamp," (Patented), nickel plated. The iron cam makes a tight grip on the object which can be easily released when desired. Furnished with two screws for attaching to wall. Will hold either thin or thick objects up to $\frac{3}{8}$ in. It is especially useful for charts, maps and pictures, and should be in every class and lecture room.	
	Pair.....	.50
	Dozen.....	2.75
	(Special prices will be made on quantity orders.)	
55	Clamp, Double, Allihn's, for two Burettes, with two V's and spring for clamping each tube at 3 points.....	3.00
56	Clamps, Double, for Two Burettes, with V-opening and set screw for attaching to support or ring stand:	
	a With Spring Grip and Lever, opening $\frac{3}{4}$ in., length 7 inches.....	.70
	b Hoffmann's, With Screw Clamps, opening 1 $\frac{1}{4}$ in., length 7 inches.....	1.00
57	Clamp, Burette, Double, With Wood Back and spring grip having set screw. Gives quick adjustment and minimizes breakage. Designed by Prof. Lincoln, of University of Illinois.....	1.00
50	M-B Safety Burette Clamp (Patented), made of wood with concealed spring. Easily attached and adjusted. The burette is held in position at three points of contact. The friction of clamping pin is so regulated that the burette can be readily shifted, turned, elevated or lowered. Withstands hard laboratory usage. Will fit rods from $\frac{1}{4}$ to $\frac{1}{2}$ inch diam.....	1.00
75	Clamps, Burette, Bunsen, with stem. When attached to clamp holder they are capable of being extended, or turned in different angles or positions. A standardized clamp for chemical laboratory work:	
	a Round Jaws, opening 1 $\frac{1}{4}$ in., length 8 in.....	.45
	b Round Jaws, opening 2 in., length 9 in.....	.55
	c V-Jaw, opening 1 $\frac{1}{4}$ in., length 8 in.....	.45
	d V-Jaw, opening 2 in., length 9 in.....	.55
30	Clamp, Burette or Tube, on Stem, Skidmore. Improvement of Hoffmann Form, with guide pin for clamping uniformly by means of adjusting screw:	
	a Round Jaw, opening 1 in., length 7 in.....	.50
	b V-Shaped Jaw, opening 1 in., length 9 in.....	.50
25	Clamps, Universal, with Clamping Screw and Check Nut. Suitable for clamping condensers and large tubes:	
	a Jaws opening 1 $\frac{1}{4}$ in., length 8 in.....	.65
	b Jaws opening 2 in., length 10 in.....	.85
10	Clamp Holders, Right Angle, Iron, Double V-Form, with set screws, for attaching clamps, etc., to supports or ring stands:	
	a Opening $\frac{1}{2}$ inch.....	.35
	b Opening $\frac{3}{4}$ inch.....	.45
15	Clamp Holder, Universal, adjustable to different angles, V-shaped, with set screws, opening $\frac{1}{2}$ inch.....	.70
20	Clamp, for Burettes, Thermometers, or Tubes, with wood screw for attaching to wall or table.....	.50
10	Clamp, With Extension Arm and Hook at End, for Supporting Chemical Thermometers. Made to be attached to iron supports or ring stands.....	.75
10	Clamps, Spring Pinchcocks, Mohr's Standard Form, wire, nickel plated, for rubber tubing:	
	a Small, 2 $\frac{1}{4}$ in.....	.11
	b Medium, 2 $\frac{3}{4}$ in.....	.13
	c Large, 3 $\frac{1}{4}$ in.....	.15
	d Extra large, 3 $\frac{1}{2}$ in.....	.28
15	Clamp, Screw Pinchcock, Hoffmann's Standard Form, nickel plated:	
	a Small, $\frac{1}{2}$ x $\frac{3}{4}$ inch, doz.....	2.40
	b Large, $\frac{1}{2}$ x1 inch, doz.....	3.00
10	Clamp, Screw Pinchcock, With Side Opening, easily attached to or detached from rubber tubing without disconnecting apparatus. Heavily made, cast brass frame, nickel plated:	
	a Small, $\frac{1}{2}$ x $\frac{3}{4}$ inch, doz.....	2.75
	b Large, $\frac{3}{4}$ x1 $\frac{1}{4}$ inch, doz.....	3.25



3410



3405



3430



3570



3582



3475a



A1200



3456b



3456a



3400



3520



3555



3495



3457



3475c



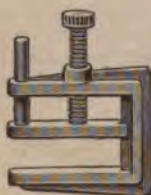
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3572



3540



3560



3566



3565

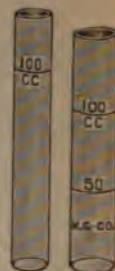
3565	Clamp, Screw Pinchcock, With Detachable Link, for attaching or removing from rubber tubing from the side. Nickel plated brass:						
	a Small, $\frac{1}{2} \times \frac{3}{4}$ inch, doz.						2.50
	b Large, $\frac{1}{2} \times 1$ inch, doz.						3.00
3566	Clamp, Screw Pinchcock, improved form for attaching or detaching without disconnecting rubber tubing:						
	a Small, $\frac{5}{16}$ inch, doz.						2.50
	b Large, $\frac{1}{2}$ inch, doz.						3.00
3570	Clamp, Screw Pinchcock, Bunsen Form, with compression bar and two screws. Large and substantial. Can be removed without disconnecting rubber tubing. Size $\frac{3}{4} \times 1\frac{1}{2}$ in.						.40
3572	Clamp, Wire Form, Stoddard's, for holding Evaporating Dishes up to $4\frac{1}{2}$ in. diam.						.25
3582	Clamp, or Cut-Off, Spring Form, for Rubber Tubing, positive grip with lever compression. Made of nickel plated brass:						
	a With $\frac{3}{16}$ in. opening, doz.						.50
	b With $\frac{5}{16}$ in. opening, doz.						.90
3583	Clamps, Watch Glass:						
	a Spring Brass Form, small						.30
	b Spring Brass Form, large						.40
	c Bunsen's, Wire Form, 50 mm.						.35
	d Bunsen's, Wire Form, 65 mm.						.40
3585	Cobalt Plates, blue, rectangular and square, for flame tests:						
	Size in.	2x2	2x3	3x3	3x4	4x4	
	Each	.12	.16	.20	.25	.30	
3700	Color Comparison Cylinders, Graduated, With Glass Stopcocks, Hehner's, for estimation of iron in water, on metal base, in pairs.						7.50
3705	Color Comparison Tubes, Camp, Graduated, for determination of manganese in steel. The larger tube has ground glass stopcock, set						7.50
3744	Color Comparison Tubes, Nessler Jars, With Lip, Ungraduated, made of colorless glass with polished bottoms:						
	Capacity cc	50	50	50	100	100	100
	Size inches	$1 \times 7\frac{1}{2}$	$1\frac{1}{4} \times 7$	$1\frac{1}{4} \times 5$	$1\frac{1}{4} \times 8$	$1\frac{3}{8} \times 7$	$1\frac{3}{8} \times 9$
	Each	.40	.40	.40	.50	.50	.60
3745	Color Comparison Tubes, Nessler Jars, usual form, special colorless glass:						
	50 cc						.75
	100 cc						.80
	50 and 100 cc						.90
3746	Color Comparison Tubes, Nessler's, clear glass with polished bottoms, tall form. (See American Public Health Assoc., "Standard Methods of Water and Sewage Analysis," 1917):						
	50 cc, each						.75
	Set of six (6)						4.75
	Set of Twelve (12)						10.00
	100 cc, each						1.00
	Set of six (6)						7.00
	Set of Twelve (12)						15.00
	50 and 100 cc, each						1.00
	Set of six (6)						7.00
	Set of Twelve (12)						15.00
3747	Stand, Wood, Black Finish, base covered with white glass plate, for holding 12 Color Comparison Tubes (Nessler's) 50 cc.						7.00
3755	Color Comparator Camera, mounted on adjustable stand for two color comparison tubes, with blue and ground glass.						15.00
3770	Colorimeter, Campbell-Hurley, for determining carbon in steel, water and urine analysis and general work. The telescope attachment gives a circular field for rapid and accurate comparisons. Complete with one graduated cylinder 100 cc by 1 cc divisions, and one cylinder 100 cc in 10 cc divisions (Journal American Chemical Society, Vol. XXXIV, No. 7, July, 1912).						25.00
3785	Colorimeter, Schreiner's, as used in U. S. Dept. of Agriculture, Bureau of Soils. All parts coming in contact with liquids are of glass						25.00
3790	Graduated tubes, per pair.						7.50
3795	Plain tubes, per pair.						1.50
3800	Colorimeter, Dubosq, Standard Form, for determination of nitrogen, urea, ammonia, creatin, creatinine in blood and urine, as well as for general use in physiological and analytical chemistry						140.00
	a Glass Cylinder 10 cm high, with glass plate fused to cylinder						2.00
	b Glass Plunger 10 cm high						9.00
3810	Colorimeter, Dubosq, B. & L., standard form for measuring color intensity of liquids, complete in wooden case with tubes and scales 50 mm long.						110.00
	a Ditto with tubes and scales 100 mm long.						135.00
3825	Micro-Colorimeter, Universal, pocket size, according to Theodore Kuttner, M.D., New York. For the examination of blood, urine, or other physiological fluids, as clinical aid to a correct diagnosis of disease, it has become a necessity in the daily routine of practitioners of medicine and surgery. Simple, rapid and accurate (Journal A. M. A. April 29, 1916).						18.00



3785



3746



3745



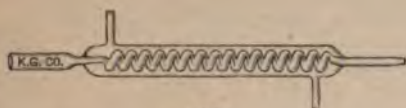
3583a



3958



3905



4085



4090



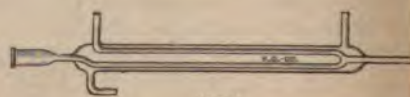
4070a



4070c



4088



4089

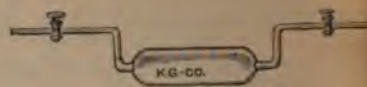
60	Color, Turbidity Scale, standard form as adopted by the U. S. Geological Survey. Made of aluminum 8 in. long, graduated, complete in case	10.00
70	Color Tubes, of brass, $2\frac{1}{2}$ in. in diameter, 24 in. long, with screw caps at ends holding in place a heavy glass disk	15.00
75	Color Comparison Tubes, Eggertz, for estimating carbon and manganese in steel by colorimetric method:	
	Graduated, without glass stoppers:	Set of 2 Set of 4
	a 30 cc by $1/10$ cc	4.00 7.50
	b 50 cc by $1/10$ cc	4.50 8.50
	c 100 cc by $1/5$ cc	6.00 12.00
	Graduated, but with glass stoppers:	Set of 2 Set of 4
	d 30 cc by $1/10$ cc	4.50 9.00
	e 50 cc by $1/10$ cc	5.50 10.00
	f 100 cc by $1/5$ cc	7.00 14.00
80	Color Comparison Tubes, Julian's, with bent ends, graduated except lower part:	
	Usual Form:	Set of 2 Set of 4
	a 5 to 30 cc by $1/10$ cc	4.00 8.00
	b 10 to 50 cc by $1/10$ cc	5.50 10.00
	c 10 to 70 cc by $1/2$ cc	6.00 12.00
	With Funnel Top to Facilitate Filling:	Set of 2 Set of 4
	d 5 to 30 cc by $1/10$ cc	4.50 8.50
	e 10 to 50 cc by $1/10$ cc	6.00 10.50
	f 10 to 70 cc by $1/2$ cc	6.50 12.50
90	Combustion Apparatus, Johnson, for determination of carbon in iron, steel and ferro-alloys, etc., complete with Hoskins' Electric Combustion Furnace and Rheostat:	
	a For 110 volts	60.00
	b For 220 volts	65.00
95	Combustion Apparatus, Vanier, for determining carbon in iron and steel by combustion method. Complete with Hoskins' Electric Combustion Furnace and Rheostat:	
	a For 110 volts	75.00
	b For 220 volts	80.00
96	Vanier Absorption Bulb, for carbon dioxide, a combined potash and drying tube.....	10.50
	Combustion Boats, Porcelain, Unglazed, Vitreous:	
00a	Coors:	
	Size No. 0 1 2 3 4 5 6 7 8	
	Length mm 58 60 60 62 76 76 88 97 100	
	Width mm 10 7 10 8 10 11 12 18 20	
	Height mm 8 8 8 8 9 9 8 13 13	
	Each ..... .18 .18 .18 .19 .20 .20 .21 .22 .23	
	Combustion Boats, Porcelain, Glazed Throughout Except Outside Bottom Surface:	
05a	Coors:	
	Size No. 0 1 2 3 4 5 6 7 8	
	Length mm 58 60 60 62 76 76 88 97 100	
	Width mm 10 7 10 8 10 11 12 18 20	
	Height mm 8 8 8 8 9 9 8 13 13	
	Each ..... .22 .22 .22 .23 .24 .24 .25 .27 .28	
05c	Ohio:	
	Length mm 60 75 75 100 115 145	
	Width mm 10 11 15 18 13 14	
	Each ..... .22 .22 .22 .27 .30 .35	
	Combustion Capsules, Porcelain, Without Lip, Rounded Bottom, Glazed Throughout With Exception of Outside Bottom Surface:	
30a	Coors:	
	Size No. 3; diam. top 42 mm; bottom 25 mm; capacity 25 cc .....	.25
35	Capsules, Porcelain (Coors), without lip, glazed throughout, straight sides and flat bottom. Used in milk analysis, etc.:	
	Size No. 1; diam. 45 mm; height 12 mm; capacity 13 cc .....	.25
	Size No. 3; diam. 69 mm; height 13 mm; capacity 25 cc .....	.35
	Size No. 4; diam. 72 mm; height 16 mm; capacity 45 cc .....	.40
55	Combustion Furnace, Bunsen, for Gas, movable burners each fitted with separate stop-cock, complete with clay tiles and gutters:	
	a Length 14 inches, 10 burners	30.00
	b Length 19 inches, 15 burners	38.00
	c Length 25 inches, 20 burners	45.00
	d Length 31 inches, 25 burners	50.00
58	Combustion Furnace, Fletcher, for Organic Analyses, for illuminating gas. Designed so that burners are outside and in front of the furnace to prevent clogging by falling dirt. No iron work to rust; metal parts made of brass. Each burner has separate stopcock:	
	a Length 12 inches	35.00
	b Length 24 inches	70.00



4096



4097



4094



4145



4155b



4230



4155c



4185



4198



4170



4190



4231



4165



4200



4220



4210

3960	Combustion Furnace, Glaser, fitted with mica plates for viewing burners. The burners are movable and each is provided with stopcock. Complete with clay parts:						
a	Length 15 inches, 10 burners						45.00
b	Length 23 inches, 15 burners						50.00
c	Length 30 inches, 21 burners						65.00
d	Length 36 inches, 26 burners						80.00
3990	Combustion Furnace, Fletcher, for use with or without foot bellows or blower. For natural, gasoline or coal gas:						
a	12 inches long						24.00
b	18 inches long						30.00
c	24 inches long						40.00
4068	Condensers, Liebig, usual form, similar to 4070a, but fitted with cork ends through which the condenser tube passes. This simplified form is less expensive and quite efficient for students' use:						
	Length inches	12	18	20	24		
	Each	1.00	1.25	1.50	2.00		
4070	Condensers, Glass, Liebig's, standard form:						
	Length of Jacket inches	10	12	16	18	20	24
a	Condensing Tube separate with rubber connections, regular quality	2.10	2.50	2.75	3.00	3.50	4.00
b	Ditto, Pyrex glass	2.40	2.60	..	..	3.60	4.00
c	Condensing Tube sealed-in, regular quality	2.25	2.75	3.00	3.25	3.75	4.25
d	Ditto, Pyrex glass	2.80	3.20	..	..	4.40	4.80
4072	Condensers, Liebig, Brass, polished, 1 $\frac{7}{8}$ in. diam.:						
	Length inches	12	15	20	24	27	30
	Each	3.00	3.50	4.00	4.50	5.00	5.25
4075	Condenser Tubes, Glass, Liebig's, for use with 4070:						
	To fit jackets (length in inches)	10	12	16	18	20	24
a	Regular quality	.50	.60	.65	.70	.75	.90
b	Pyrex glass	.50	.60	..	..	.80	1.00
4085	Condensers, Glass, With Coiled Worm, sealed to jacket (Liebig-Graham):						
	Length of Jacket inches	10	12	16	18	20	24
	Each	4.00	5.50	7.00	9.00	10.00	12.00
4088	Condensers, Glass, Allihn's, with bulb form of condensing tube, sealed-in:						
	Length of Jacket inches	10	12	16	18	20	24
	Each	3.00	3.50	3.75	4.50	5.00	6.00
4089	Condensers, Glass, Goeckel's, for determination of inflammable substances:						
	Length of Jacket inches				18	24	
	Each				7.00	8.00	
4090	Condenser, Glass, Hopkins', for use with extraction apparatus. Length of Jacket 14 inches						4.00
4092	Condenser, Glass, Hopkins, (Picard-Law Modification), with side tube bent upright at right angle having funnel shaped opening for pouring in the extraction fluid						4.75
4093	Condensers, Glass, Davies' Improved Form, double surface, the outflowing warm water does not heat the inflowing water:						
	Length of Jacket inches		6	8	12		
	Each		6.75	7.50	9.00		
4094	Condenser, Glass, Liebig's, With Two Stopcocks, for sulphurous acid						3.40
4095	Condenser, Hallock's, of copper, 14 $\frac{1}{2}$ x4 inches, with block-tin worm. Has two rods for support						9.00
4096	Condenser, Glass, Schumann's, with three stopcocks for sulphurous acid						5.20
4097	Condenser, Glass, Fischer's, with two stopcocks on vertical tubes for sulphurous acid						3.40
4145	Condenser, Zinc, with block-tin worm (see 5360):						
	Capacity gallons	$\frac{1}{2}$	1	2	3	5	
	Each	7.00	9.00	12.00	15.00	18.00	
4155	Connections, For Rubber Hose or Tubing, tapering and corrugated, nickel plated brass, threaded to fit standard faucets:						
a	Female Thread, Hydrant, $\frac{5}{8}$ in. nipple						.45
b	Male Thread	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$	in. I. P.	
	Each	.35	.40	.45	.60		
c	Female Thread, $\frac{1}{4}$ in. I. P.						.75
4165	Cork Borers, Polished Hard Brass, with steel punch:						
	No. in set	3	6	9	12	15	
	Diam. mm	4-7	4-9	4-13	4-16	4-18	
	Per set	.75	1.25	2.00	3.25	5.00	
4170	Cork Borers, Hard Brass, With Individual Handles, including steel punch:						
	No. in set	3	6	8	9	12	15
	Sizes	1-3	1-6	1-8	1-9	1-12	1-15
	Per set	.90	1.75	2.75	3.25	5.00	6.50
4175	Cork Borers, Steel, nickel plated, with individual handles and steel punch:						
	No. in set			3	6	12	
	Per set			1.75	3.00	5.00	

4185	Cork Borer Sharpener, brass cone with steel blade	1
4190	Cork Boring Machine, for boring holes in either corks or rubber stoppers	1
4197	Cork Mats, Suberite, compressed cork, 12 cm diam.:	
	Thickness, cm.	1 2 4
	Each .....	.40 .50 .75
4198	Cork Rings, Suberite, compressed cork, for supporting flasks, etc.:	
	Diam. inside, mm.	30 60 90 120 150
	Each .....	.40 .60 1.00 1.20 1.75
4200	Cork Knife, wood handle.....	
4210	Cork Press, Lever Form:	
	a Small size	1
	b Large size	1
4220	Cork Press, Rotary Form, for rolling cork into desired tapering size:	
	a Small size	1
	b Large size	1
4230	Cork Screws:	
	a Plain, with wooden handle.....	
	b Plain, better quality	
	c Improved model, self-pulling.....	
4231	Cork Puller, especially useful where corks have been broken, or pressed too far into bottle to use regular cork screw	
4235	Corks, Regular Length, selected for laboratory work:	
	Size Small end Large end Large end Price Price Price	
	in in. in in. in mm per 100 per 100 per 100	
	0 ¼ ¾ 9.5 .25 .40 .43	
	1 ⅝ ⅞ 11.1 .25 .40 .43	
	2 ¾ 1 12.7 .28 .45 .53	
	3 ⅞ 1 ⅛ 14.2 .33 .55 .60	
	4 1 1 ¼ 15.8 .38 .62 .73	
	5 1 ⅛ 1 ½ 17.4 .42 .69 .85	
	6 1 ¼ 1 ¾ 19.0 .46 .75 .95	
	7 1 ½ 1 ¾ 20.6 .52 .85 1.13	
	8 1 ¾ 2 22.2 .62 1.18 1.45	
	9 2 2 ¼ 23.8 .76 1.45 1.78	
	10 2 ¼ 2 ½ 25.4 .84 1.63 2.03	
	11 2 ½ 2 ¾ 26.9 .90 1.78 2.20	
	12 2 ¾ 3 28.5 .98 1.95 2.43	
	13 3 3 ¼ 30.1 1.08 2.15 2.68	
	14 3 ¼ 3 ½ 31.7 1.24 2.48 3.10	
	15 3 ½ 3 ¾ 33.3 1.42 2.85 3.55	
	16 3 ¾ 4 34.9 1.74 3.53 4.40	
	17 4 4 ¼ 36.5 1.88 3.80 4.75	
	18 4 ¼ 4 ½ 38.1 2.04 4.08 5.10	
	19 4 ½ 4 ¾ 39.6 2.26 4.50 5.50	
	20 4 ¾ 5 41.2 2.48 4.90 5.90	
	22 5 5 ¼ 44.4 3.00 	
	24 5 ¼ 5 ½ 47.6 3.60 	
	26 5 ½ 6 50.8 4.40 	
4245	Corks, Flat Specie, XX, for wide mouth bottles:	
	Diam. top inches.. 1 1½ 1¾ 1⅝ 1½ 1⅜ 1¼ 1⅓ 1⅒ 2 2½	
	Per 100 .....	.85 1.00 1.20 1.50 1.75 2.00 2.40 2.75 3.00 3.50
	Diam. top inches.. 2¼ 2½ 2⅝ 2¾ 3 3½ 4 4½ 5 6	
	Per 100	4.00 4.50 5.75 6.50 7.50 8.00 13.00 25.00 30.00 48.00
4250	Cork Sheets, XX, 4 x 12 inches:	
	Thickness, inches	¼ 3/16 ½
	Each .....	.25 .40 .50
4255	Cotton, Absorbent, best quality:	
	Package, ounces	4 8 16
	Each .....	.25 .40 .75
4256	Cotton, for plugging test tubes, etc., pkg.....	
	Crucibles, Porcelain, low form, glazed throughout, with exception of outside bottom surface:	
4260a	Coors:	
	Size No.	0000 000 00 0 1 2 3 4 5
	Diam. rim mm	18 32 37 41 46 56 67 81 96
	Diam. bottom mm	8 13 15 15 18 18 23 29 35
	Height mm	12 19 21 25 29 36 44 52 65
	Capacity cc	2.5 8 12 17 30 50 90 145 265
	Each .....	.09 .12 .15 .18 .25 .34 .43 .50 .62
	Covers for above.....	.05 .05 .05 .07 .07 .08 .12 .15 .18

(Continued)

Crucibles—(Continued).**Ohio:**

Size No.	000	00	0	1	2	3	4	5
Capacity cc.....	8	12	17	25	45	80	140	250
Diam. mm.....	32	37	41	46	56	67	81	96
Height mm	19	21	25	29	36	44	52	65
Each .....	.10	.12	.15	.22	.30	.40	.45	.54
Covers for above	.05	.05	.06	.08	.08	.12	.17	.18

Crucibles, Porcelain, high form, glazed throughout, with exception of outside bottom surface:**Coors:**

Size No.	000	00	0	1	1a	2	3	4	5
Diam. rim mm.....	26	30	35	41	45	52	62	72	87
Diam. bottom mm....	12	14	17	20	21	25	30	34	40
Height mm.....	19	25	27	35	40	43	50	59	72
Capacity cc.....	5	10	15	30	40	57	95	155	280
Each .....	.09	.12	.15	.24	.28	.30	.35	.45	.55
Covers for above	.05	.05	.05	.07	.09	.09	.12	.12	.15

Ohio:

Size No.	000	00	0	1	2	3	4	5
Capacity cc.....	5	10	15	25	57	95	155	280
Diam. mm	26	30	35	41	52	62	72	87
Height mm.....	19	25	27	35	43	50	59	72
Each .....	.09	.13	.17	.23	.32	.40	.45	.60
Covers for above	.05	.05	.05	.05	.08	.13	.14	.18

Crucible, Porcelain [Coors] cylindrical form:

Diam. rim 30 mm; height 32 mm; capacity 15 cc.....	.25
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Crucibles, Assay, Sand, Dixon's:**a With Lip.****b Triangular.**

Size No.	A	B	C	D	E
Height inches	2¾	3	3½	4	4½
Diam. inches	1½	1¾	2¼	2¾	2¾

c Crucible, each

	.15	.18	.20	.24	.27
--	-----	-----	-----	-----	-----

d Cover, each

	.12	.12	.15	.20	.24
--	-----	-----	-----	-----	-----

Size No.

	F	G	H	J	K	L
--	---	---	---	---	---	---

Height inches	5	5½	5¾	6¾	7¼	8
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Diam. inches	3	3¾	3¾	4¾	4¾	5¼
--------------------	---	----	----	----	----	----

c Crucible, each

	.30	.37	.45	.40	.45	.50
--	-----	-----	-----	-----	-----	-----

d Cover, each

	.25	.30	.35	.35	.37	.40
--	-----	-----	-----	-----	-----	-----

Crucibles, Sand, with Covers:**a Round:**

Height inches	2¾	3¾	3¾	4½	4¾	5¼
---------------------	----	----	----	----	----	----

Diam. inches	2	2¾	2¾	3¾	3¾	4¾
--------------------	---	----	----	----	----	----

b Crucible, each

	.10	.12	.15	.16	.20	.30
--	-----	-----	-----	-----	-----	-----

c Cover, each

	.06	.07	.08	.09	.10	.12
--	-----	-----	-----	-----	-----	-----

Height inches	5¾	7	7½	8¾	11¼	12¾
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Diam. inches	4¾	5¾	6	6¾	8¾	9½
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b Crucible, each

	.40	.50	.70	1.10	2.00	3.50
--	-----	-----	-----	------	------	------

c Cover, each

	.15	.16	.18	.25	.40	.50
--	-----	-----	-----	-----	-----	-----

d Triangular:

Height inches	2¼	3½	3½	4	4¾	5¼	6	7
---------------------	----	----	----	---	----	----	---	---

Diam. inches	2	2½	2½	2¾	3¼	3¾	4¾	6¼
--------------------	---	----	----	----	----	----	----	----

e Crucible, each

	.10	.12	.15	.16	.25	.25	.48	.70
--	-----	-----	-----	-----	-----	-----	-----	-----

f Cover, each

	.05	.06	.08	.09	.10	.12	.18	.20
--	-----	-----	-----	-----	-----	-----	-----	-----

g Round Assay, Battersea Shape:

Height inches					5	5½	5¾
---------------------	--	--	--	--	---	----	----

Diam. inches					3¾	3¾	3¾
--------------------	--	--	--	--	----	----	----

h Crucibles, each

					.12	.18	.20
--	--	--	--	--	-----	-----	-----

i Covers, each

					.09	.10	.12
--	--	--	--	--	-----	-----	-----

Crucibles, Clay, without lip:

Capacity grams ...	3	5	10	12	15	20	25	30	35
--------------------	---	---	----	----	----	----	----	----	----

Height inches	2¼	2¾	3	3¼	3½	3¾	4¼	3¾	4¾
---------------------	----	----	---	----	----	----	----	----	----

Diam. inches	2¼	2¾	2¾	2¾	2¾	3	3¼	3¼	3¼
--------------------	----	----	----	----	----	---	----	----	----

Each07	.08	.10	.11	.12	.13	.15	.16	.18
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Crucibles, Assay, Gram Shape, Dixon's:**a With Lip.****b Without Lip.**

Size No. grams.....					10	20	30	35
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Height inches					2¾	3¾	3¾	4¾
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Diam. top inches					2¾	3¾	3¾	3¾
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Crucibles, each15	.20	.25	.30
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4260

4262



4355



4320



4340



4288d



5035a



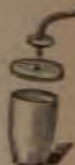
4770



4380



4755



43



4700



4750



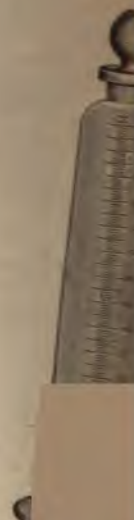
4742



4705



4740



4720

112 Crucibles, Assay, Clay, Without Lip (Denver):									
Height inches	2 $\frac{5}{8}$	3	3 $\frac{1}{4}$	3 $\frac{1}{2}$	3 $\frac{3}{4}$	4	3 $\frac{7}{8}$	4 $\frac{1}{4}$	
Diam. top inches	2 $\frac{3}{8}$	2 $\frac{5}{8}$	2 $\frac{3}{4}$	2 $\frac{7}{8}$	3 $\frac{1}{8}$	3 $\frac{1}{4}$	3 $\frac{1}{2}$	3 $\frac{3}{4}$	
a Crucibles, each	.10	.12	.13	.14	.16	.18	.20	.22	
b Covers, each	.05	.05	.06	.07	.08	.09	.12	.13	
Height inches	5 $\frac{5}{8}$	3 $\frac{1}{2}$	4	4 $\frac{1}{2}$	5	5 $\frac{1}{8}$	5	5 $\frac{3}{4}$	
Diam. top inches	3 $\frac{5}{8}$	2 $\frac{1}{4}$	2 $\frac{3}{4}$	3	3 $\frac{1}{4}$	3 $\frac{3}{8}$	2 $\frac{1}{4}$	3	
a Crucibles, each	.25	.10	.12	.15	.18	.20	.18	.25	
b Covers, each	.14	.06	.07	.08	.10	.12	.15	.18	
116 Crucibles, Melting, With Lip (Denver), of purest clay, making them suitable for melting enamel, dyes, chemicals, glass, gold, silver, etc.:									
Height inches	5 $\frac{1}{8}$	5 $\frac{7}{8}$	6	6 $\frac{5}{8}$	7 $\frac{1}{4}$	8	8 $\frac{1}{8}$		
Diam. top inches	3 $\frac{3}{8}$	3 $\frac{3}{4}$	4	4 $\frac{3}{8}$	4 $\frac{3}{4}$	5 $\frac{1}{4}$	5 $\frac{3}{4}$		
Crucible, each	.20	.24	.26	.38	.48	.96	1.25		
119 Crucible, Gooch, pure sheet nickel, perforated bottom and extra cup.									
Size 1 $\frac{1}{2}$ in. diam. by 1 $\frac{5}{8}$ in. high; capacity, 30 cc.									2.00
Crucibles, Gooch, Porcelain, with perforated bottoms, glazed throughout except outside bottom surface:									
120a Coors:									
Size No.		2	2a	3	4				
Diam. rim mm		27	33	35	40				
Diam. bottom mm		18	20	22	25				
Height mm		30	33	40	43				
Capacity cc		10	20	25	35				
Each		.30	.35	.40	.45				
Covers for above		.05	.05	.05	.07				
320c Ohio:									
Size No.			2	3	4				
Capacity cc			10	25	35				
Diam. mm			27	35	40				
Height mm			30	40	43				
Each			.27	.35	.45				
321 Crucibles, Gooch, Porcelain [Coors] with two holes for suspending in Extraction Apparatus.									
Size No. 3; diam. rim 35 mm; capacity 25 cc.									.40
322 Crucibles, Gooch, Porcelain [Coors], glazed inside and out, with straight sides and solid perforated bottoms.									
Size No.				1	3				
Diam. top mm				33	39				
Diam. bottom mm				20	26				
Height mm				33	40				
Capacity cc				15	25				
Each				.35	.40				
Covers				.05	.07				
Crucibles, Porcelain, of special shape, with large filtering surface for bitumen determination:									
123a Coors:									
Diam. rim 45 mm; bottom 35 mm; height 24 mm.									.50
123b Ohio:									
Diam. top 44 mm; diam. bottom 36 mm; height 25 mm.									.48
Crucibles, Caldwell, Porcelain, glazed inside and out with open flange bottom to hold perforated discs:									
124a Coors:									
Size No.				1	3				
Diam. top mm				33	39				
Diam. bottom mm				20	26				
Height mm				33	40				
Capacity cc				15	25				
Each				.30	.35				
Covers				.05	.07				
140 Crucibles, Graphite, Dixon's:									
a Round Form.									
b Triangular Form.									
(Outside dimensions.)									
Size No.	0	00	000	0000	1	1 $\frac{1}{2}$	2	3	
Height inches	2	2 $\frac{1}{4}$	2 $\frac{1}{2}$	2 $\frac{3}{4}$	3 $\frac{3}{8}$	4	4 $\frac{1}{2}$	5 $\frac{1}{4}$	
Diam. inches	1 $\frac{1}{2}$	1 $\frac{1}{4}$	1 $\frac{1}{8}$	2 $\frac{3}{8}$	3 $\frac{1}{4}$	3 $\frac{3}{8}$	3 $\frac{3}{4}$	4 $\frac{1}{4}$	
Each	.60	.68	.72	.75	.80	.90	1.00	1.40	
Size No.		4	5	6	7	8	9	10	
Height inches		5 $\frac{5}{8}$	6	6 $\frac{1}{2}$	6 $\frac{3}{4}$	7 $\frac{1}{8}$	7 $\frac{5}{8}$	8	
Diam. inches		4 $\frac{3}{8}$	4 $\frac{7}{8}$	5 $\frac{1}{4}$	5 $\frac{1}{2}$	5 $\frac{3}{4}$	5 $\frac{7}{8}$	6 $\frac{1}{4}$	
Each		1.60	2.00	2.20	2.40	2.60	2.80	3.00	

4355	Crucibles, Sheet Copper, with cover:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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(Continued)

Ohio:	Height mm.	175	125	100	88					
	Diameter mm.	73	50	50	36					
	Each	.54	.42	.37	.32					
Cells, Porous, Oblong:										
Coors:										
Size No.	A	B	C							
Length mm.	200	305	305							
Width mm.	50	89	178							
Height mm.	172	305	305							
Each	4.00	6.00	9.00							
Cylinders, Glass, with Metric Graduations, on foot, with lip or pour-out:										
Double Graduation, reading up and down:										
Capacity cc.	5	10	15	25	50	100	125	150	200	
Each	.55	.60	.65	.70	.80	.85	.90	.95	1.00	
Capacity cc.	250	300	500	1000	1500	2000	3000	4000		
Each	1.10	1.30	1.50	2.00	5.00	6.00	7.50	9.00		
Single Graduation:										
Capacity cc.	5	10	15	25	50	100	125	150	200	
Each	.45	.50	.55	.60	.70	.75	.80	.85	.90	
Capacity cc.	250	300	500	1000	1500	2000	3000	4000		
Each	.95	1.00	1.25	1.60	3.50	4.00	5.50	7.00		
Cylinders, Glass, with Ground Glass Stopper, on foot [Mixing Cylinder]:										
Capacity cc.	10	15	25	50	100	150	200			
a Single Graduation	1.00	1.20	1.30	1.50	1.60	1.65	1.70			
b Double Graduation, reading up and down, each	1.10	1.30	1.40	1.60	1.70	1.75	1.80			
Capacity cc.	250	300	400	500	1000	1500	2000			
a Single Graduation	1.75	1.85	2.30	2.60	3.60	5.50	6.00			
b Double Graduation, reading up and down, each	2.00	2.30	2.75	3.00	4.00	7.00	8.00			
Cylinders, Glass, Apothecaries Scale, Graduated in Ounces, on foot, with lip or pour-out:										
Capacity ounces	1	2	4	8	16	32	64			
Each	.40	.50	.60	1.00	1.50	1.80	4.00			
Cylinders, Glass Combination with Metric and Apothecaries Graduations, on foot, with lip or pour-out:										
Capacity cc.	30	60	125	250	500	1000	2000			
Capacity ounces	1	2	4	8	16	32	64			
Each	.60	.75	.85	1.50	1.80	2.50	6.00			
Cylinders, or Hydrometer Jars, Glass, on Foot:										
With Lip:										
Size inches	4x1	5x1	6x1	6x1 1/4	6x1 1/2	8x1	8x1 1/2	8x2	10x1 1/2	10x2
Each	.34		.36	.42	.44	.46	.48	.50	.52	
Size inches	12x1 1/2	12x2	12x2 1/2	12x3	15x2 1/2	15x3	18x2 1/2	18x3	20x3	
Each	.54	.56	.72	.74	1.00	1.25	1.04	1.25	1.90	
Plain, Without Rim or Lip:										
Size inches	4x1	5x1	6x1	6x1 1/4	6x1 1/2	8x1	8x1 1/2	8x2	10x1 1/2	10x2
Each	.34		.36	.42	.44	.46	.48	.50	.52	
Size inches	12x1 1/2	12x2	12x2 1/2	12x3	15x2 1/2	15x3	18x2 1/2	18x3	20x3	
Each	.54	.56	.72	.74	1.00	1.25	1.04	1.25	1.90	
With Rim, Unground:										
Size inches	4x1	5x1	6x1	6x1 1/4	6x1 1/2	8x1	8x1 1/2	8x2	10x1 1/2	10x2
Each	.38		.40	.46	.48	.51	.53	.55	.57	
Size inches	12x1 1/2	12x2	12x2 1/2	12x3	15x2 1/2	15x3	18x2 1/2	18x3	20x3	
Each	.60	.62	.79	.81	1.10	1.35	1.15	1.38	2.00	
With Rim, Ground:										
Size inches	4x1	5x1	6x1	6x1 1/4	6x1 1/2	8x1	8x1 1/2	8x2	10x1 1/2	10x2
Each	.48	.50	.56	.60	.62	.65	.68	.70	.72	
Size inches	12x1 1/2	12x2	12x2 1/2	12x3	15x2 1/2	15x3	18x2 1/2	18x3	20x3	
Each	.95	1.00	1.10	1.25						



4780



5033



5032



4765



5348



5325



5040



5035



5345



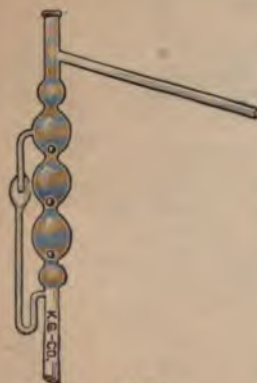
5265



5320



5321



5508



5360



5500

0	Cylinders, Conical from Top to Bottom, Capacity 1000 cc, Graduated 0 to 100 cc, as used in testing sewage.....	3.40
5	Demijohns, Glass, Wicker Covered:	
	Capacity gal. $\frac{1}{2}$ 1 2 3 5	
	Each ..... .75 .90 2.50 2.80 3.25	
0	Desiccators, Scheibler's, Vacuum Form, with side outlet and glass stopcock ground-in:	
	Diam. mm. 100 120	
	Each 3.00 3.50	
1	Desiccators, Scheibler's, Vacuum Form, with glass stopcock ground into cover, with hook:	
	Diam. mm. 150 200 250	
	Each 9.00 11.50 15.00	
2	Desiccating Jar, Fruehling and Schultz, with ground cover:	
	Diam. (inside), in. 8 10	
	Height (inside), in. 11 12	
	a Plain Cover, each 6.50 11.00	
	b With Hole in Cover, each 7.00 12.00	
3	Desiccators, Fruehling and Schultz, with glass stopcock ground into cover:	
	Diam. mm. 200 250	
	Each 14.50 19.00	
5	Desiccating Jars, Scheibler's, with ground cover:	
	Diam. (inside), in. 4 5 6 8 10	
	Height (inside), in. $4\frac{1}{2}$ 6 6 8 $9\frac{1}{4}$	
	a Plain Cover, each 1.75 1.90 2.00 6.50 11.00	
	b With Hole in Cover, each 3.00 7.50 12.00	
5	Desiccating Jar, Low Wide Form, with ground cover. Diam. 10 in.; height $9\frac{3}{4}$ in.; (inside dimensions)	12.00
7	Desiccating Jar, Atwater, with ground cover. Diam. 4 in.; height $8\frac{1}{2}$ in. (inside dimensions)	3.50
8	Desiccator, Vacuum Form, heavy walled jars, rubber stopper at top with glass stopcock and hook, including porcelain plate:	
	Diam. mm. 100 140 160	
	Each 4.00 5.00 6.00	
9	Desiccators, Triangular Form, Heavy Glass, for use in balance cases for drying. Size 2 in. wide by $1\frac{1}{2}$ in. high.....	1.00
	Desiccator Plates, Porcelain, glazed on one side, for Scheibler's Desiccators:	
0a	Coors:	
	Size No. 0 1 2 2a 2b 3 4 5	
	Diam. mm 85 95 115 120 125 140 190 240	
	No. holes 3 3 4 5 8 5 7 8	
	Diam. of holes..... 23 30 30 23 23 30 30 30	
	Each ..... .65 .75 .85 .95 1.10 1.25 2.00 2.50	
	Each, without feet 1.75 2.10	
0c	Ohio:	
	Diam. mm 90 110 140 190 230	
	No. of holes 3 4 5 6 8	
	Diam. of holes mm..... 26 26 26 26 26	
	Thickness mm 5 5 5 6 7	
	Each, with three small feet..... .80 1.00 1.25 2.00 2.50	
	Each, without feet ..... .75 .90 1.12 1.80 2.10	
	Desiccator Plates, Porcelain, glazed on one side, without feet, with numerous small holes:	
4a	Coors:	
	Size No. 4 5	
	Diam. mm 190 230	
	No. holes 700 900	
	Diam. of holes mm..... 2 2	
	Price, each 1.75 2.10	
4b	Ohio:	
	Diam. mm 140 190 230	
	Diam. of holes mm..... $5\frac{1}{2}$ $5\frac{1}{2}$ $5\frac{1}{2}$	
	Thickness mm 5 6 7	
	Price, each 1.25 2.00 2.50	
0	Desiccator Tripods, Glass, with feet, for holding dishes and crucibles in desiccators:	
	For Desiccator, diam., in. 4 5 6	
	Each ..... .60 .75 .90	
5	Desiccator Plates, Aluminum, 26 mm diam., with 7 holes:	
	Diam. in. $4\frac{3}{4}$ $5\frac{1}{2}$ $7\frac{1}{2}$	
	Each 1.50 1.75 2.00	
0	Dialyzer Papers, Parchment:	
	a Vegetable, sheets 18x24 in., each .....	.10
	b Animal, sheets 17x22 in., each	2.00
0	Dialyzers, including open top bell jar covered with parchment, suspended in glass jar with wooden support:	
	Capacity, liters 2 4 6 8 12	
	Each 2.00 3.00 4.50 6.00 8.00	

5185 Diamonds for Writing on Glass, with handle:										
a Small	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.00
b Medium	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.00
c Large	.....	.....	.....	.....	.....	.....	.....	.....	.....	10.00
5190 Diamond Ink, for etching or writing on glass, per oz. bottle										
5225 Disc, Perforated, Porcelain (Coors), for Caldwell Crucibles and Funnels. Sizes 6 to 9										
with beveled edges.										
Size No.	.....	1	2	3	4	5	6	7	8	9
Diam. rim, mm.	...	15	20	22	25	30	38	50	60	75
Thickness mm.	...	1.5	1.5	1.5	1.5	1.5	4	4	4	4
Each	.....	.17	.19	.20	.20	.23	.30	.38	.45	.60
5260 Dishes, Aluminum, straight sides, for milk analysis:										
Diam. in.	.....	2	2½	3	3½	4	.....	.....	.....	.....
Height in.	.....	½	¾	¾	¾	1	.....	.....	.....	.....
Each	.....	.25	.30	.40	.50	.60	.....	.....	.....	.....
5262 Dish, Aluminum, with Cover, straight sides, 2 in. diam. by 1 in. deep										
5265 Dishes, Crystallizing, Glass, straight sides and flat bottom:										
Diam. mm.	.....	45	50	55	60	70	75	80	85	90
Height mm.	.....	30	35	25	25	35	35	25	30	30
Dozen	.....	1.45	1.50	1.55	1.60	1.70	1.75	1.80	1.80	1.80
Diam. mm.	.....	95	100	115	120	140	150	190	190	200
Height mm.	.....	40	40	45	45	45	45	65	75	65
Dozen	.....	1.90	2.20	3.10	3.35	4.10	5.40	8.40	9.00	9.00
Diam. mm.	.....	.....	.....	.....	.....	200	210	220	230	240
Height mm.	.....	.....	.....	.....	.....	75	70	70	85	85
Dozen	.....	.....	.....	.....	.....	9.60	11.00	12.00	16.00	20.00
5268 Dishes, Culture (Moist Chamber), heavy glass, with loosely fitting cover:										
Diam. cover, mm.	.....	.....	.....	.....	.....	150	200	220	.....	240
Height inside, mm.	.....	.....	.....	.....	.....	50	70	70	.....	80
a With Knob, doz.	.....	.....	.....	.....	.....	20.00	36.00	40.00	.....	42.00
b Without Knob, doz.	.....	.....	.....	.....	.....	15.00	27.60	30.00	.....	32.20
Dishes, Porcelain, Flat Bottom and Straight Sides, without Lip, glazed inside and out, for milk evaporation, etc.:										
5280b Ohio:										
Diam. mm.	.....	.....	.....	.....	.....	40	.....	43	.....	72
Height mm.	.....	.....	.....	.....	.....	7	.....	11	.....	16
Each	.....	.....	.....	.....	.....	.10	.....	.20	.....	.45
5280c Coors:										
Diam. 180 mm; height 75 mm; capacity 1300 cc. Each										
5300 Dishes, Stender Form (Preparation Jar), with cover grooved and carefully ground:										
Diam. in.	.....	.....	.....	.....	.....	1¾	2	2¾	.....	2¾
Height in.	.....	.....	.....	.....	.....	¾	1	1¾	.....	3¾
Dozen	.....	.....	.....	.....	.....	1.60	2.10	2.90	.....	2.90
5310 Dishes, Enameled Iron, flat bottom, shallow form:										
Diam. cm.	.....	.....	.....	.....	.....	.....	15	18	.....	22
Capacity cc.	.....	.....	.....	.....	.....	.....	500	1000	.....	2000
Each	.....	.....	.....	.....	.....	.....	.50	.75	.....	1.00
Dishes, Evaporating, Porcelain, With Lip, Medium Deep or Regular Form. Sizes up to five are glazed inside and out with exception of rim. Larger sizes are partly glazed outside:										
5320a Coors:										
Size No.	.....	000	00	0	1	2	3	4	5	6
Capacity cc.	.....	35	60	80	100	90	100	110	120	145
Diam. mm.	.....	60	70	80	85	37	42	43	50	48
Height mm.	.....	24	27	30	33	140	175	210	300	385
Each	.....	.12	.18	.20	.30	.35	.40	.45	.55	.70
Size No.	.....	.....	.....	.....	.....	.....	.....	8	8a	9
Diam. mm.	.....	.....	.....	.....	.....	.....	.....	215	230	265
Height mm.	.....	.....	.....	.....	.....	.....	.....	63	70	80
Capacity cc.	.....	.....	.....	.....	.....	.....	.....	1285	1430	2200
Each	.....	.....	.....	.....	.....	.....	.....	1.20	1.50	1.80
Dishes, Evaporating, Porcelain, shallow form, with lip, glazed:										
5321a Coors:										
Size No.	.....	.....	1	2	3	4	5	5a	6	7
Diam. mm.	.....	.....	70	80	95	105	120	128	140	160
Height mm.	.....	.....	15	20	23	30	34	34	40	48
Capacity cc.	.....	.....	45	60	95	160	200	210	350	550
Each	.....	.....	.20	.25	.40	.50	.60	.65	.75	.90

(Continued)

Dishes, Evaporating—(Continued).

c Ohio:

No.	000	00	0	1	2	3	4	5
Diam. outside, cm.	6	7	8	8½	9	10	11	12
Capacity cc.	35	50	80	100	140	175	210	300
Each ....	.12	.16	.19	.22	.30	.35	.40	.50
No.	5a	6	6a	6b	7	8	8a	
Diam. outside, cm.	12½	14½	13½	17	18½	21½	23	
Capacity cc.	330	385	535	690	765	1285	1430	
Each ....	.55	.60	.75	.80	.85	1.00	1.50	

Dishes, Evaporating, with Lip, made of spun metal, polished:

Diam. in.	2	2¾	3½	4
Capacity cc.	40	100	200	300
Copper, each ....	.80	.90	1.20	1.50
Aluminum, each ....	.90	1.00	1.20	1.50
Nickel, each	1.20	1.50	2.50	3.00
Silver, each	5.40	9.00	15.00	21.00

5 Dishes, Lead, round, for hydrofluoric acid:

Diam., in.	2	2½	3	3½	4	5	6
Each ....	.10	.15	.20	.25	.30	.50	.60

5 Dishes, Petri (Culture), With Covers, annealed, clear white glass:

Diam. cover, mm.	50	60	60	75	80	90	100
Height lower dish, mm.	10	10	15	10	10	15	10
Gross	36.00	36.00	36.00	36.00	40.00	40.00	44.00
Diam. cover, mm.	100	100	110	115	120	120	150
Height, lower dish, mm.	15	20	15	15	15	20	15
Gross	44.00	44.00	62.00	72.00	80.00	80.00	100.00

Covers, Porous Clay, for Petri Dishes (No. 5345) glazed or unglazed:

8a Guernsey, unglazed:

Size No.	1	2
Diam. inside, mm.	96	105
Per hundred	9.00	9.00

8c Ohio, glazed top:

Size No.	1	2
Diam. inside, mm.	98	102
Inside depth, mm.	10	10
Per hundred	22.50	22.50

8d Ohio, unglazed top:

Size No.	1	2
Diam. inside, mm.	98	102
Inside depth, mm.	10	10
Per hundred	18.00	18.00

2 Dish Holder, Petri, round, with inside tray to lift out, 9 in. high by 4½ in. diam.:

a Copper	4.00
b Sheet iron	3.00

4 Dish Holder, Petri, Pfuhr's, with five shelves and carrying handle:

a Round Form, Copper, 8x5 in.	11.00
b Square Form, Copper, 7x5x5 in.	10.00

6 Dish Holder, Petri, Spring Wire Form, nickel, for holding Petri Dishes about 10 cm diam.:

a For 3 Dishes ....	.90
b For 6 Dishes	1.00

0 Distilling Apparatus, Laboratory, for water, etc., consisting of heavy copper retort, tin-lined, with movable head; and zinc condenser with block-tin worm:

Capacity, gallons	½	1	2	3	5
Each	15.00	20.00	25.00	35.00	45.00

0 Distilling Apparatus, Glass, for Determination of Ammonia in Water..... 10.50

5 Distillation Tube, Hempel's, filled with glass beads 4.50

8 Distillation Tube, Glinsky's, glass, with glass valves, 8 in. 2.25

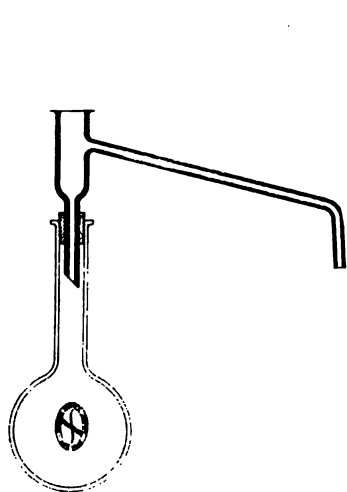
0 Distillation Tube, Knight's, for separation of xylenols and higher homologues from phenol and the creosols 3.00

2 Distillation Tube, Wurtz', with two bulbs. 1.25

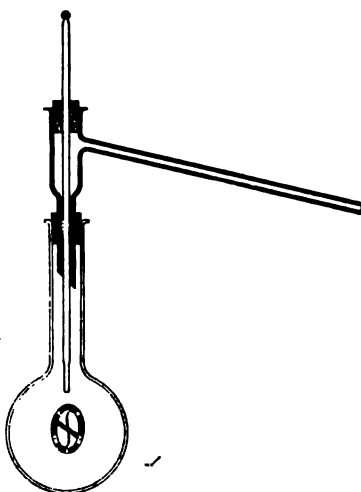
5 Distillation Tube, Young's, with rod and discs, for small distillations..... 4.00

25 Distillation Adapter, H-J., to fit the ordinary flask for making distillations. Replaces the regular distillation flask with side delivery tube, which is easily broken in the laboratory as well as during shipment.

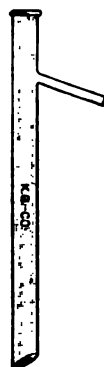
It is connected to the flask through a rubber or cork stopper, forming a tight but non-rigid joint, thus greatly lessening the liability to injury when used in the laboratory. The dissectibility of the Adapter and flask has many advantages; for example: Shipping breakage reduced to a minimum; flask may be easily removed for refilling without disturbing other connections; Adapter may be transferred to other flasks if desired; in case either the Adapter or flask is broken, the cost of replacing that part is less than the cost of a complete new distillation flask; when not in use the



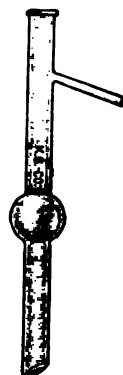
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5527a



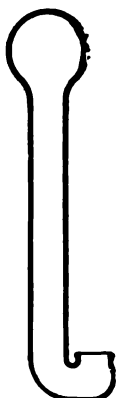
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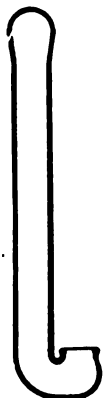
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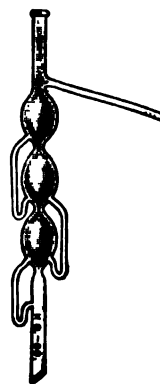
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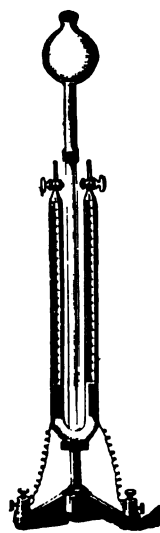
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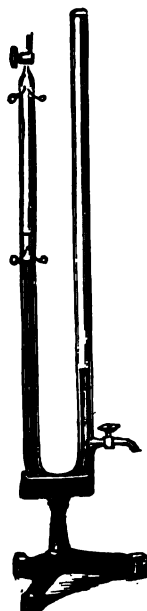
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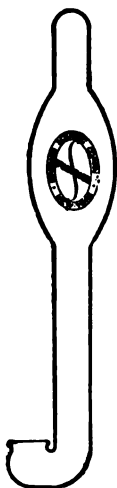
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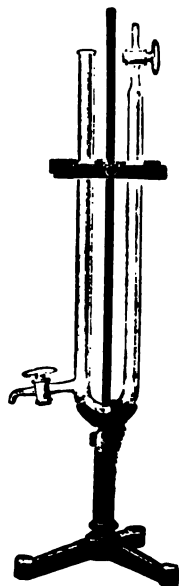
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Adapter may be removed and put in a suitable place without much fear of injury, but the safety of a distillation flask is always a source of great care. If desired we can supply rubber or cork stoppers for the top of the Adapter, as well as for the stem which fits into the flask. In ordering, please give inside neck dimensions of the flask, the diameter of the small end of the stopper desired, or simply give the standard number of the stopper itself. An extra charge is made for stoppers.

Made of heavy walled glass in two styles:

- a With bent delivery tube and narrow stem, each50
b With straight delivery tube, and larger stem for inserting thermometer, each..... .50

Special Quantity Prices:

Doz. lots, per dozen	5.40
Lots of 50, per dozen	5.00
Lots of 100, per dozen	4.75

7 Distillation Tubes, Straight, with side delivery tube, for fractional distillation:

- a Plain, regular quality25
b Plain, Pyrex glass, 12 inches 1.00
c With one bulb, regular quality..... .40
d With two bulbs, regular quality..... .50
e With two bulbs, Pyrex glass..... 1.75

10 Distillation Tubes, Glass, Le Bel and Henninger's:

Number of bulbs	2	3	4	5
Each	1.50	1.65	2.80	3.80

15 Drinking Tubes or Cups, Glass, McCollum's Design, for Rats and Mice, as used in animal experimentation. A convenient and successful form, siphon feed, developed after many different types had been tried and discarded. Can be easily cleaned and kept in a sanitary condition. Length overall about 9 inches. The elliptical bulb near the end of tube gives extra capacity:

- a Heavy Wall Gauge Glass, doz..... 6.00
b Medium Wall Glass, doz..... 4.80
(Special prices will be made on large quantities. Quotation will be made on different sizes if desired.)

16 Drinking Tubes or Cups, Glass, McCollum's, similar to No. 5535, but with round bulb at top. Length about 9 inches:

- a Heavy Wall Gauge Glass, doz..... 5.00
b Medium Wall Glass, doz..... 4.00
(Special prices will be made on large quantities. Quotation will be made on different sizes if desired.)

17 Drinking Tubes or Cups, Glass, for Rats and Mice, similar to McCollum's Nos. 5535 and 5536, but without bulb:

- a Heavy Wall Gauge Glass, doz..... 4.00
b Medium Wall Glass, doz..... 3.25
(Special prices will be made on large quantities. Quotation will be made on different sizes if desired.)

18 Drinking Tubes or Cups, Glass, Siphon Form, Open Top, for Rats and Mice. A rubber stopper must be used for tightly closing the top end:

Length inches	4	5	6	9
Dozen	2.50	2.75	3.00	3.50

(Special prices will be made on large quantities. Quotation on other sizes will be made if desired.)

19 Drinking Tubes or Cups, Glass, Straight Tip, Open Top, for Mice and Rats. A rubber stopper must be used for tightly closing the top end:

Length inches	4	5	6	9
Dozen	2.00	2.25	2.50	2.75

(Special prices will be made on large quantities. Quotation on other sizes will be made if desired.)

0 Drying Tube, Vanier's, for zinc, as used in Vanier's Combustion Apparatus..... 1.50

5 Drying Tube, Vanier's, for sulphuric acid, as used in Vanier's Combustion Apparatus... 2.25

0 Electrolysis Apparatus, Simple Form, Detachable Graduated Tubes:

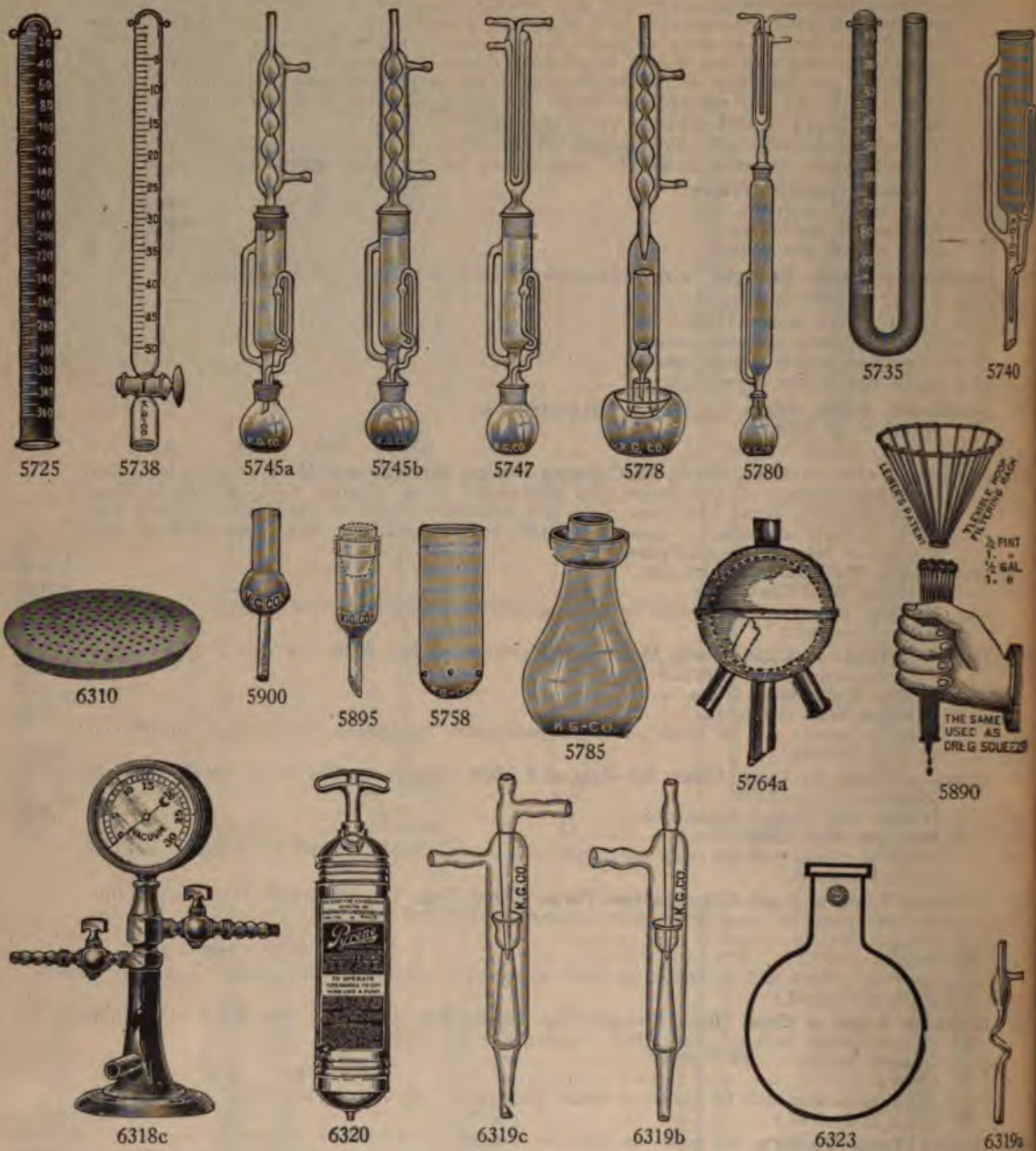
- a With Platinum Electrodes 5.00
b With Carbon Electrodes 4.00

0 Electrolysis Apparatus, Hoffmann's, Ungraduated, with detachable electrodes:

- a With Platinum Electrodes 7.50
b With Carbon Electrodes 6.00
c With Copper Electrodes 6.00
d Supporting Stand with clamp and binding posts 2.50

5 Electrolysis Apparatus, Hoffmann's, Graduated, large size, with detachable electrodes, and glass stopcocks:

- a With Platinum Electrodes 15.00
b With Carbon Electrodes 12.50
c With Copper Electrodes 12.50
d Iron Support with binding posts..... 3.00



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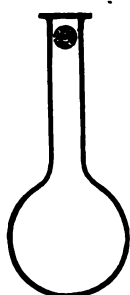
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716	Electrolysis Apparatus, Hoffmann's, for water, hydrochloric acid and ammonia, with glass stopcocks, mounted on iron support with binding posts:						
	a Ungraduated						12.50
	b Graduated, volumetric						15.00
717	Electrolysis Apparatus, Hoffmann's, for showing volumetric composition of hydrochloric acid, with glass stopcocks, one at top and one at side, mounted on support.						15.00
718	Electrolysis Apparatus, Hoffmann's with platinum electrodes, and stopcocks at top and bottom, for volumetric synthesis of ammonia and water, with support.						10.00
720	Electrolysis Apparatus, Hoffmann's, with stopcock at top and one at bottom, and two sets of platinum electrodes, one at top and one at middle of closed tube, for decomposition and synthesis of water.						16.00
722	Lecture Apparatus, Hoffmann's, glass tube with stopcocks, for demonstrating the fixed proportions of combining hydrogen and chlorine in forming hydrochloric acid:						
	a With support						7.50
	b Without support						6.00
725	Eudiometer, Bunsen's, with platinum electrodes:						
	Capacity cc	50	50	100	200		
	Subdivided by	1/5	1/10	1/5	1/5		
	Each	3.00	3.50	4.25	5.25		
730	Eudiometers, Bunsen's, similar to 5725, but graduated in millimeters:						
	Length of graduations		300	500	800		
	Each		4.00	4.75	5.50		
732	Eudiometer, Hoffmann's, with graduated arm, stopcock at top and one at bottom, platinum electrodes at top						16.00
735	Eudiometer, Ure's, with platinum electrodes:						
	Capacity cc			50	100		
	Subdivided by			1/5	1/5		
	Each			3.50	4.00		
738	Eudiometers, Mitcherlich, with glass stopcock and platinum electrodes:						
	Capacity cc			50	100		
	Subdivided by			1/5	1/5		
	Each			5.25	6.50		
740	Extraction Apparatus, Soxhlet's, Tubes Only:						
	Diam. mm		30	38	50		
	a Regular quality		1.80	2.40	3.50		
	b Pyrex glass			5.00			
745	Extraction Apparatus, Soxhlet's, complete with bulb condenser, extraction tube and wide mouth flask:						
	Diam. mm		30	38	50		
	a With Cork Stoppers		4.90	5.25	6.75		
	b With Ground Glass Joints		6.75	7.50	9.00		
747	Extraction Apparatus, Soxhlet's, similar to 5745b, but with Hopkin's Condenser in place of bulb condenser:						
	Diam., mm		30	38	50		
	Each		7.50	8.25	9.75		
758	Extraction Thimble, Glass, round bottom with perforations:						
	Height mm		80	80	123		
	Diam. mm		25	33	43		
	Each		.50	.75	1.10		
762	Extraction Thimbles, Filter Paper, Whatman's, seamless, free from fat, in boxes of 25:						
	Size mm	10x50	19x90	22x80	26x60	25x80	33x80 25x100
	Single thickness	3.15	3.15	3.15	3.15	3.55	3.55 4.40
	Double thickness	5.28	5.28	5.28	5.28	5.92	5.92 7.36
764	Extraction Condensers, Spherical, Copper, tinned inside and nickel plated outside, about 4 in. diam.:						
	a One Bulb						3.50
	b Two Bulbs						10.00
765	Extraction Tube, Plain, Pyrex Glass, 9 inches long, diam. of body 1 1/4 inches.						.50
770	Extraction Apparatus, Soxhlet's, copper bath, tinned inside, 23x4x4 1/2 inches, with 6 holes each 2 1/2 in. diam. adjustable racks.						28.00
772	Extraction Apparatus, Soxhlet's, improved form, for hot water as used in Beet Sugar Laboratories. Copper, tinned inside, 23 inches long, adjustable from 27 to 34 inches in height						33.00
776	Extraction Apparatus, Soxhlet's Round Bath, 12 inches diam., copper, with 6 openings each 2 1/2 inches diam., provided with concentric rings and water level attachment. Upright support stands 2 1/2 inches above bath, and is provided with two adjustable clamp brackets each holding 6 extractors. Adjustable ring burner for gas, with tripod support, are included						33.00
778	Extraction Apparatus, Knorr's, complete with condenser, extraction tube and Knorr's flask						9.80
780	Extraction Apparatus, Ringer's, with Hopkin's condenser and extraction apparatus for continuous extraction from liquid media, all joints ground air-tight. Diam. of extraction tube 38 mm						12.00

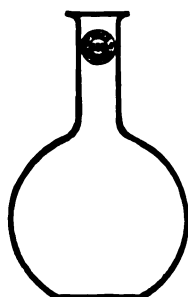
00	Filter Paper, Ashless (Double Washed) Baker's. Washed in Hydrochloric and Hydrofluoric Acids. 100 circles in box:						
	a No. 1 Quality:						
	Thin, very rapid filtering, for general analytical work, very low in ash:						
	Diam. mm	55	70	90	110	125	150
	Per box	.60	.75	.90	1.20	1.50	1.75
	(The amount of Ash after incineration is shown on each box.)						
	b No. 2 Quality:						
	Dense, for filtering Barium Sulphate, Calcium Oxalate and other troublesome precipitates, also rapid filtering:						
	Diam. mm	55	70	90	110	125	150
	Per box	.90	1.10	1.40	1.80	2.20	2.50
05	Filter Paper, Single Washed, Baker's, washed in Hydrochloric Acid only:						
	Diam. mm	55	70	90	110	125	150
	Per box	.50	.60	.70	.90	1.10	1.20
10	Filter Paper, for Gooch Crucibles, Baker's Corrugated, for qualitative work:						
	Diam. mm	70	90	110	125	150	
	Per box	30	35	45	55	70	
	Diam. mm	200	250	330	400	450	
	Per box	.75	.90	1.50	2.00	2.50	
80	Filter Paper, B. & A. Washed in hydrochloric and hydrofluoric acids, "A" quality, in boxes holding 100 circles:						
	Diam. cm	5½	7	9	11	12½	15
	Ash in one piece, grams	.00001	.00002	.00003	.00005	.000065	.000093
	Per box	1.20	1.40	1.70	2.15	3.40	4.20
90	Filter Paper, Whatman, No. 1, a high-grade chemical filter paper for general quantitative and qualitative work. This paper is made from high-class materials, is tasteless, free from chlorine, and has been so specially prepared as to render it free from starch . It, moreover, retains Barium Sulphate when properly precipitated. In packages of 100 circles:						
	Diam. cm	4.25	5.5	7	9	11	12.5
	Ash in grams per circle	.00017	.00028	.00046	.00076	.0011	.0016
	Per package	.16	.17	.20	.24	.28	.37
	Diam. cm	15	18.5	24	27	32	32
	Ash in grams per circle	.0021	.0032	.0054	.0068	.0096	
	Per package	.51	.71	1.25	1.48	2.30	
91	Filter Paper, Whatman No. 2, a paper similar in its general characteristics to No. 1 quality, but thicker, being about 50 per cent. heavier. It filters fine precipitates rapidly, the filtrate being clear and bright. A standard for analytical work. In packages of 100 circles:						
	Diam. cm	7	9	11	12.5	15	18.5
	Ash in grams per circle	.0007	.0012	.0018	.0024	.0034	.0052
	Per package	.27	.34	.42	.52	.74	1.04
	Filter Paper, Whatman No. 5, this paper has been made of the purest material, and has been subjected to a special hardening process. It is very strong and close in texture, and will retain such fine precipitates as Barium Sulphate and Lead Sulphate, the latter even when freshly precipitated. In packages of 100 circles:						
	Diam. cm	5.5	7	9	11	12.5	15
	Per package	.20	.27	.34	.41	.54	.75
	Filter Paper, Whatman No. 30. This filter paper is of the same high quality as the foregoing grades, but has been so treated as to remove as far as possible by Hydrochloric Acid such chemical salts as are normally contained in the fiber. This paper, having low ash and close texture, is more suitable for quantitative work than No. 1. In packages of 100 circles:						
	Diam. cm	7	9	11	12.5	15	18.5
	Ash in grams per circle	.00012	.0002	.0003	.0004	.00057	.00087
	Per package	.68	.90	1.20	1.50	1.90	2.70
	Filter Paper, No. 190, White, creped, heavier than "Climax," but more open and rapid, in packages of 100 circular sheets. Samples sent on request:						
	Diam. inches	3½	4	5	6	7	8
	Package, each	.13	.15	.20	.25	.35	.44
	In sheets 20x20 inches, per ream	.53	1.00	1.40	1.90	2.30	
	Prices and information concerning other grades of Whatman's Filter Papers, will be sent on request.						
	Filter Cones, Porcelain (Coors), glazed except rims, with holes about 1 mm diam:						
	Size No. 3, diam. 50 mm, height 43 mm						.90
	Size No. 4, diam. 63 mm, height 62 mm						1.10
	Filter Plates, Hirsch, Glazed Porcelain, perforated, beveled edges, for use in funnels:						
	Ohio:						
	Size No.	1	2	3			
	Diam. mm	25	38	50			
	Each	.20	.25	.30			
2	Finger Cots, Gum Rubber, doz.						
5	Filter Tube, Porous Clay (Coors), closed on one end with flange on other end. Diam. tube 20 mm; flange 50 mm; inside dia. 16 mm; length 115 mm						
							.80



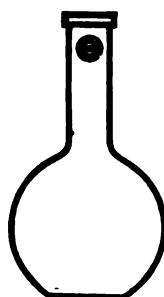
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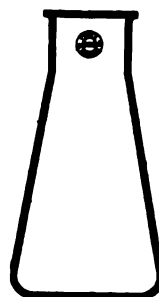
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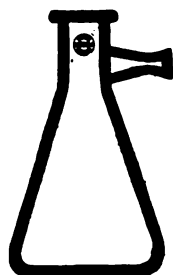
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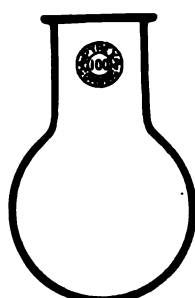
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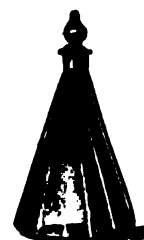
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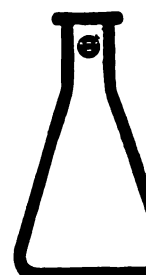
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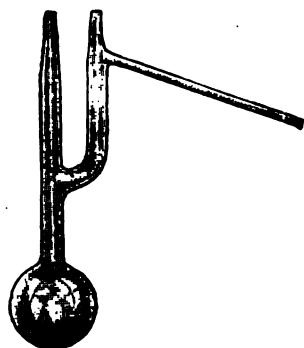
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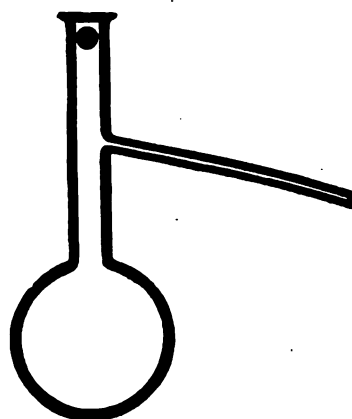
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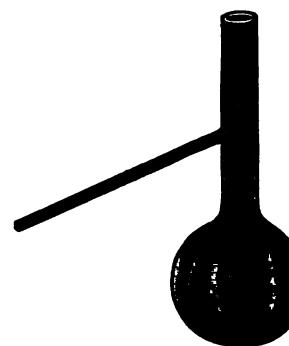
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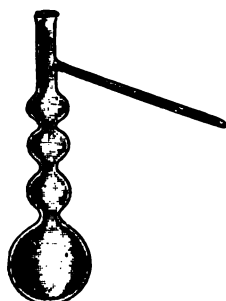
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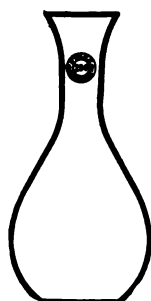
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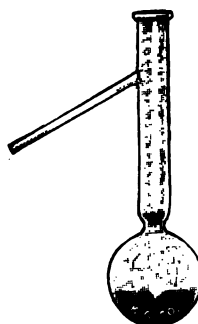
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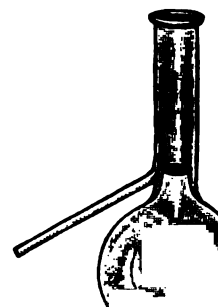
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Filter Tube, Pyrex Glass, plain, straight, 6 inches long:								
Diam. body inches	1	1½	1¾	1½	1½	1½	1½	
Each	.40	.45	.50	.55	.60	.65	.70	
Filter Pumps (Aspirators), on Base:								
a Plain								5.00
b With Vacuum Gauge								12.00
c With Vacuum Gauge and Stopcocks								15.00
Filter Pumps, Glass:								
a Geissler's								1.75
b Muencke's, with one suction tube								2.50
c Ditto, with two suction tubes								3.00
Fire Extinguisher, Pyrene. Should be on wall of chemical laboratory ready for instant use								
								18.00
Flash-Point Tester, Foster's, for Illuminating Oils, complete with thermometer graduated to 190° F., and alcohol lamp								
								18.00
Flash-Point Tester, for Illuminating Oils, Elliot's, heavy copper, adopted by many states								
								10.00
Flasks, Balloon, Short Ring Neck, Pyrex Glass:								
Capacity cc	200	500	1,000	1,500	2,000			
Each	.28	.38	.55	.66	.78			
No. in case	144	72	36	24	18			
Stopper No.	3	6	8	9	10			
Flasks, Flat Bottom, Florence or Boiling, vial mouth:								
a Resistance Glass:								
Capacity cc	30	60	120	150	180	250	300	
Each	.11	.12	.15	.16	.17	.18	.20	
Capacity cc	360	500	750	1,000	1,500	2,000		
Each	.22	.24	.28	.33	.38	.50		
b Perfection Glass:								
Capacity cc	30	60	120	150	180	250	300	
Each	.15	.16	.20	.21	.22	.23	.25	
Capacity cc	360	500	750	1,000	1,500	2,000		
Each	.27	.30	.36	.40	.60	.80		
c Nonsol Glass:								
Capacity cc	30	60	120	180	250			
Each	.20	.22	.26	.28	.30			
*No. in case	144	144	360	288	144			
Capacity cc	350	500	700	1,000	2,000			
Each	.38	.40	.50	.55	1.20			
*No. in case	144	144	72	72	36			
d Pyrex Glass:								
Capacity cc	50	100	150	200	300	400		
Each	.17	.18	.20	.22	.25	.27		
*No. in case	192	168	108	144	96	84		
Stopper No.	0	1	1	3	4	4		
Capacity cc	500	700	1,000	1,500	2,000			
Each	.30	.36	.43	.51	.60			
*No. in case	72	36	36	24	18			
Stopper No.	6	6	7	7	8			
Flasks, Ring Neck, Flat Bottom:								
a Resistance Glass:								
Capacity cc	30	60	120	150	180	250	300	
Each	.12	.14	.16	.17	.18	.20	.22	
Capacity cc	360	500	750	1,000	1,500	2,000		
Each	.24	.27	.30	.35	.42	.60		
b Perfection Glass:								
Capacity cc	30	60	120	150	180	250	300	
Each	.16	.18	.22	.23	.24	.26	.28	
Capacity cc	350	500	750	1,000	1,500	2,000		
Each	.30	.35	.40	.45	.65	.90		
c Nonsol Glass:								
Capacity cc				250	500	1,000		
Each				.35	.45	.60		
*No. in case				144	144	72		
d Pyrex Glass:								
Capacity cc	500	700	1,000	1,500	2,000			
Each	.38	.47	.55	.66	.78			
*No. in case	72	36	36	24	18			
Stopper No.	5	6	7	7	8			

6330 Flasks, Round Bottom, vial mouth:**a Resistance Glass:**

Capacity cc	30	60	120	150	180	250	300
Each .....	.11	.12	.15	.16	.17	.18	.20
Capacity cc	360	500	750	1,000	1,500	2,000	
Each .....	.22	.24	.28	.32	.38	.50	

b Perfection Glass:

Capacity cc	30	60	120	150	180	250	300
Each .....	.15	.16	.20	.21	.22	.24	.25
Capacity cc	360	500	750	1,000	1,500	2,000	
Each .....	.27	.30	.36	.42	.60	.75	

c Nonsol Glass:

Capacity cc			120	250	500	1,000	
Each .....			.26	.30	.40	.55	
*No. in case			360	144	144	72	

d Pyrex Glass:

Capacity cc	50	100	150	200	300	400	
Each .....	.17	.18	.20	.22	.28	.32	
*No. in case	156	84	180	144	84	72	
Stopper No.	1	2	3	3	4	4	
Capacity cc		500	700	1,000	1,500	2,000	
Each .....		.37	.45	.56	.71	.79	
*No. in case		48	42	30	24	18	
Stopper No.		4	6	6	7	9	

6332 Flasks, Ring Neck, Round Bottom:**a Resistance Glass:**

Capacity cc	30	60	120	150	180	250	300
Each .....	.12	.13	.16	.17	.18	.20	.22
Capacity cc	360	500	750	1,000	1,500	2,000	
Each .....	.24	.26	.30	.36	.45	.60	

b Perfection Glass:

Capacity cc	30	60	120	150	180	250	300
Each .....	.16	.18	.22	.23	.24	.26	.28
Capacity cc	360	500	750	1,000	1,500	2,000	
Each .....	.30	.36	.40	.45	.70	.90	

6355 Flasks, Erlenmeyer, usual form, narrow mouth:**a Resistance Glass:**

Capacity cc	30	60	120	180	250		
Each .....	.12	.13	.15	.16	.18		
Stopper No.	0	3	3	3	4		
Capacity cc	360	500	750	1,000	2,000		
Each .....	.20	.23	.28	.35	.56		
Stopper No.	6	6	7	7	9		

b Perfection Glass:

Capacity cc	30	60	120	180	250		
Each .....	.15	.16	.20	.21	.23		
Capacity cc	360	500	750	1,000	2,000		
Each .....	.28	.30	.38	.45	.72		

c Nonsol Glass:

Capacity cc	60	120	180	250	350		
Each .....	.22	.26	.28	.30	.38		
*No. in case	144	360	288	144	144		
Capacity cc		500	700	1,000	2,000		
Each .....		.40	.50	.60	1.20		
*No. in case		144	72	72	36		

d Pyrex Glass:

Capacity cc	25	50	100	150	200	250	300
Each .....	.16	.16	.18	.18	.20	.22	.25
*No. in case	360	276	180	252	144	132	132
Stopper No.	00	1	3	4	5	5	6
Capacity cc		500	600	750	1,000	1,500	2,000
Each .....		.29	.31	.34	.42	.51	.60
*No. in case		72	.60	48	36	24	24
Stopper No.		6	6	7	8	9	10

6357 Flasks, Erlenmeyer, Wide Mouth, Pyrex Glass:

Capacity cc	250	500	750	1,000	2,000		
Each .....	.22	.29	.34	.42	.60		
*No. in case	132	60	48	36	24		
Stopper No.	7	10	10	11	13		

6365 Flasks, Erlenmeyer, With Ground Glass Stopper:

Capacity cc	125	250	500	1,000			
Each .....	.60	.80	1.00	1.50			

6370 Flasks, Extraction, Flat Bottom, vial mouth:**a Resistance Glass:**

Capacity cc	50	100	150	250			
Each .....	.18	.20	.21	.30			

(Continued)

Flasks, Extraction—(Continued).**b Nonsol Glass:**

Capacity cc	120	195	250
Each .....	.30	.36	.40
No. in case	360	288	144

c Pyrex Glass:

Capacity cc	50	100	150	250	500	750	1,000	2,000
Each .....	.16	.18	.19	.20	.29	.36	.54	.98
No. in case	168	120	108	120	60	48	36	18
Stopper No.	6	6	7	8	10	10	10	11

Flasks, Extraction, Round Bottom, Wide Neck, Vial Mouth:**a Resistance Glass:**

Capacity cc	50	100	150	250
Each .....	.18	.20	.21	.30

b Pyrex Glass:

Capacity cc	100	2,000
Each .....	.18	.69
*No. in case	120	18
Stopper No.	6	13

Flask, Extraction, Conical, with mercury seal:

Capacity cc	100	150	250
a Pyrex glass, each	2.00	2.25	2.50
b Regular quality .....	.60	..	..

Flasks, Kjeldahl's, Round Bottom:**a Resistance Glass, Long Neck:**

Capacity cc	200	500	800	1,000
Each .....	.30	.50	.60	.76

b Pyrex Glass, Long Neck:

Capacity cc	300	500	650	800
Each .....	.28	.37	.42	.45
No. in case	60	36	36	36
Stopper No.	5	6	6	7

c Pyrex Glass, Short Neck:

Capacity cc	300	500	800
Each .....	.28	.37	.45
No. in case	60	48	36
Stopper No.	5	6	7

Flasks, Kjeldahl's, Flat Bottom:**a Resistance Glass, Short Neck:**

Capacity cc	100	200	300	500	800	1,000	1,500	2,000
Each .....	.22	.26	.34	.46	.52	.68	.84	.96

b Pyrex Glass, Long Neck:

Capacity cc	300	500
Each .....	.28	.37
No. in case	60	36
Stopper No.	5	6

Flasks, Distillation, With Side Delivery Tube at about middle of neck:**a Resistance Glass:**

Capacity cc	30	60	125	250	500	1,000	2,000
Each .....	.30	.40	.50	.75	.92	1.35	2.00

b Nonsol Glass:

Capacity cc	120	250	500	1,000
Each .....	.85	.95	1.25	1.50
*No. in case	72	36	36	24

c Pyrex Glass:

Capacity cc	25	50	100	125	200	250
Each	.36	.40	.45	.50	.55	.60
*No. in case	108	108	56	84	72	36
Stopper No.	1	1	2	3	3	3
Capacity cc		300	500	1,000	1,500	2,000
Each		.65	.70	1.18	1.45	1.60
*No. in case		40	32	24	18	10
Stopper No.		4	4	6	7	9

Flasks, Distillation, Resistance Glass, with side delivery tube. In ordering specify whether high or low delivery tube is desired:**a High Delivery Tube.****b Low Delivery Tube.**

Capacity cc	20	60	125	250	500	1,000
Each .....	.30	.40	.50	.75	.92	1.35



6455



6500



6428



6430



6450



6610a



6530



6525b



6535



6630



6575



6545



6550



6560



6620a



6555



6615a



6540



6615b

6391	Flasks, Distillation, Claissen's, with double neck and side delivery tube:				
	a Resistance Glass:				
	Capacity cc	60	125	250	500
	Each	1.00	1.45	1.60	2.00
	b Pyrex Glass:				
	Capacity cc	50	125	250	500 1,000
	Each	1.20	1.60	1.80	2.20 3.00
6392	Flasks, Distillation, Engler's, with side delivery tube. Standard dimensions for oil distillation:				
	a Resistance Glass:				
	Capacity cc	100	200	250	
	Each	.46	..	.60	
	b Pyrex Glass:				
	Capacity cc	100	200	250	
	Each	.50	.60	.68	
	No. in case	56	72	60	
	Stopper No.	1	2	2	
6393	Flasks, Distillation, Lung's, with trap and side delivery tube:				
	Capacity cc	125	250	500	
	Each	1.50	1.70	2.00	
6394	Flasks, Distillation, With Three Necks, Pyrex Glass:				
	Capacity cc	500	1,000	2,000	
	Each	2.50	4.00	5.00	
6395	Flasks, Distillation, Hempel's, with side delivery tube, 500 cc:				
	a Resistance Glass, with contraction				1.20
	b Pyrex Glass, without contraction				1.50
	c Pyrex Glass, with contraction				1.75
6415	Flasks, Copper Determination, with flaring neck:				
	Capacity cc	120	180	250	
	a Resistance Glass	.22	.27	.31	
	b Nonsol Glass	..	.32	.38	
	c Pyrex Glass	..	.25	.30	
6420	Flasks, Distillation, Ladenburg's, with three bulbs in neck:				
	Capacity cc	125	250	500	1,000
	a Resistance Glass	.90	.140	1.75	2.40
	b Pyrex Glass	1.00	1.40	2.00	..
6423	Flasks, Filtering, Erlenmeyer Form, Heavy Wall, plain, without side tube:				
	a Resistance Glass:				
	Capacity cc	250	500	1,000	2,000
	Each	.23	.32	.45	.75
	b Pyrex Glass:				
	Capacity cc	250	500	1,000	2,000
	Each	.40	.54	.84	1.20
	No. in case	120	72	30	20
	Stopper No.	6	6	7	9
6425	Flasks, Filtering, Heavy Wall, Erlenmeyer Form, With Side Tube:				
	a Resistance Glass:				
	Capacity cc	250	500	1,000	2,000
	Each	.47	.67	1.00	1.95
	b Pyrex Glass:				
	Capacity cc	250	500	1,000	2,000
	Each	.70	.95	1.45	2.40
	*No. in case	96	60	24	15
	Stopper No.	6	6	7	9
6428	Flasks, Filtering, With Side Tube and Glass Stopcock:				
	Capacity cc	250	500	1,000	2,000
	Each	1.90	2.25	3.75	5.25
6430	Flask, Filtering, Erlenmeyer Shape, 1,000 cc, heavy glass with side tube at top, and a side tube with stopcock near bottom on opposite side				
					3.00
6432	Flasks, Filtering, Erlenmeyer Shape, heavy glass with side tube and glass funnel ground into neck:				
	Capacity cc		200	1,000	
	Each		2.70	4.10	
	Flasks, Volumetric, Resistance Glass, accurately graduated with one mark on neck:				
	Capacity cc	10	25	50	100 200
6450	Without Glass Stopper	.40	.60	.60	.60 .65
6455	With Glass Stopper	.65	.75	.75	.95 1.00
	Capacity cc	250	300	500	1,000 2,000
6450	Without Glass Stopper	.65	.70	.90	1.20 2.00
6455	With Glass Stopper	1.05	1.15	1.25	1.45 2.35

6460	Flasks, Volumetric, Resistance Glass, accurately graduated with two marks on neck and glass stopper:								
	Capacity cc	100	250	500	1,000	2,000			
	Each	1.45	1.50	2.00	2.25	3.00			
6465	Flasks, Volumetric, Pyrex Glass, with mark on neck for graduation:								
	Capacity cc	100	250	500	1,000	2,000			
	Each .....	.34	.48	.64	.88	1.14			
	*No. in case	84	72	48	30	24			
6470	Flasks, Volumetric, Pyrex Glass, graduated according to specifications of U. S. Bureau of Standards:								
	Capacity cc	100	250	500	1,000	2,000			
	Each	1.00	1.25	1.50	2.00	2.50			
6475	Flask, Porous Clay (Coors), 125x200 mm.....								1.65
6480	Flasks, Volumetric, Pyrex Glass, wide neck for phosphoric acid determination, 200 cc..								.90
6485	Flasks, Volumetric, Pyrex Glass, short neck and flaring top for sugar analysis, 100 cc...								.80
6490	Flasks, Volumetric, Giles', with bulb, glass stopper and two graduation marks, for making normal solutions, the 10% extra volume in the bulb and neck facilitating titration, leaving an exact volume for correction:								
	Capacity cc	500-50	1,000-100	2,000-200					
	Each	2.60	3.60	5.25					
6495	Flasks, Wash Bottle, heavy wall and ring neck, without fittings:								
	Capacity cc	250	500	1,000	2,000				
	Each .....	.22	.32	.43	.68				
6500	Flask, Rubber Extraction, Pyrex Glass, 500 cc, 72 in case, stopper No. 9.....								.32
6505	Flasks, Soil Analysis, with long condenser tube ground-in with air-tight joint:								
	Capacity cc	200	250	500					
	Each	2.40	2.70	3.00					
6510	Flasks, Sugar, with two graduations, without stopper:								
	Capacity cc	50-55	100-110	200-220					
	Each .....	.42	.52	.76					
6515	Flasks, Sugar, Kohlrausch, with enlarged neck:								
	Capacity cc	100	200	200.6	201.2	201.4	400	500	
	Each .....	.60	1.00	1.00	1.00	1.00	1.50	1.75	
6520	Flask, Sugar, Bates', with flaring top, 100 cc.....								.90
6525	Flasks, Sulphur, with side delivery tube bent downward at right angles:								
	Capacity cc	250	500	1,000					
	a Resistance Glass .....	.90	1.20	1.70					
	b Pyrex Glass .....	..	.75	..					
6530	Flasks, Sulphur, Johnson's, with heavy ring neck:								
	a Resistance Glass:								
	Capacity 275 cc, each .....								.40
	b Nonsol Glass:								
	Capacity 250 cc, each .....								.60
	c Pyrex Glass:								
	Capacity 275 cc, each .....								.32
6535	Flask Heaters, sheet iron, with asbestos strips and openings in side for ventilation:								
	Diam. inches	4½	5	6	7½	8½	10½		
	Each	1.00	1.25	1.50	1.75	2.00	2.50		
6540	Flask Heater, Electric, for 1,000 cc flask, complete with tripod, incandescent lamp 110 volts, cord and socket (without flask).....								12.00
	Forceps, Brass, length about 5 inches:								
6545	Straight Points .....								.25
6550	Curved Points .....								.25
	Forceps, Brass, With Ivory Tips, length about 4 inches:								
6555	Straight Tips								1.75
6560	Curved Tips								2.00
6565	Forceps, Solid Nickel:								
	a Straight								1.25
	b Curved								1.25
6570	Forceps, Steel, fine points, nickel plated.....								.60
6575	Forceps, Steel, plain:								
	5-inch .....								.15
	6-inch .....								.18
6580	Forceps, Platinum Tips, straight, about 5 inches long (approx.).....								15.00
6610	Funnels, Glass, 60°, Bunsen's, ground to point, hand made:								
	a Long stem, about 6 inches.								
	b Short Stem.								
	Diam. mm	25	40	50	65	75	90	100	
	Each .....	.24	.24	.28	.30	.34	.36	.40	
	Diam. mm	125	150	175	200	225	250	300	
	Each .....	.54	.68	.94	1.04	1.42	1.80	2.50	

6612	Funnels, Glass, Bunsen's, with extra long and thin stem:								
	Diam. mm.	25	40	50	65	70			
	Each	.24	.24	.28	.30	.34			
	Diam. mm.	75	90	100	125	150			
	Each	.34	.36	.40	.54	.68			
6615	Funnels, Glass, pressed, short stems, fire polished:								
	Diam. inches	2½	2¾	3¼	4¼	5¾	7¼	8¾	10¼
a	Plain	.16	.18	.20	.25	.40	.60	.90	1.50
b	Ribbed	.14	.15	.16	.23	.34	.48	.75	1.20
6618	Funnels, Glass, Bunsen's, 60°, with constriction in top of stem, ground to point:								
	Diam. mm	50	65	75	100				
	Each	.28	.30	.34	.40				
6620	Funnels, Glass, Without Stems, as used for sugar analysis:								
	Diam. inches	2¾	3¼	4¼	5¾				
a	Plain	.25	.30	.40	.50				
b	Ribbed	.20	.25	.30	.40				
6628	Funnels, Glass, Carbon Filter, pointed stem for use with Gooch Crucibles:								
	Diam mm	20	25	28	32	35	38		
	Each	.20	.24	.40	.56	.64	.72		
6630	Funnels, Glass, With Bulb, for filtering through glass wool:								
	Diam. inches	3½	4½	5½	7	8½	10		
	Each	.60	.75	.85	1.00	1.50	2.50		
	Funnels, Buchner, Porcelain, with fixed perforated plate and straight walls.								
6640a	Coors:								
	Size No.	0	1	2	2a	3	4	4a	5
	Diam. mm	48	59	85	108	112	150	160	200
	Height mm	81	85	135	140	167	215	200	255
	Distance plate from rim	20	25	38	43	33	40	56	49
	Each	.75	.90	1.50	1.95	2.10	3.60	4.20	5.40
6640c	Ohio:								
	Diam. mm	50	60	80	100	150	200	250	300
	Height of walls mm	20	25	30	40	60	90	100	120
	Each	.75	1.00	1.25	1.75	2.70	5.50	8.50	14.00
	Funnels, Hirsch, Porcelain, with fixed perforated plate.								
6642a	Coors:								
	Size No.	000	00	0	1	2	3	4	
	Diam. mm	50	75	92	103	120	140	163	
	Height mm	64	82	105	122	140	165	190	
	Diam. perforated plate mm	36	44	57	59	59	59	112	
	Dist. plate from rim	10	20	26	34	50	65	38	
	Each	.60	.75	.90	1.20	1.50	2.10	2.70	
6655	Funnels, Hard Rubber:								
	Capacity ounces		2	3¾	8	14	.25		
	Each		.55	.65	.95	1.20	1.50		
6660	Funnels, Agateware, with handle:								
	Diam. inches		3¾	4¼	5½	7½	9		
	Each		.50	.60	.70	.80	.90		
6665	Funnel, Agateware, Wide Mouth, suitable for transferring salts into jars and bottles having wide mouth								.50
6670	Funnels, Copper, plain:								
	Capacity cc			125	250	500	1,000		
	Each			1.25	1.50	1.75	2.00		
6675	Funnel, Copper, Ribbed, 4 in. diam., for sugar analysis								1.25
6680	Funnel, Copper, Suspended in Ring Burner, including iron support 20 inches high:								
	a Single Wall								8.00
	b Double Wall, with constant water level attachment								14.00
6685	Funnel, Copper, With Coil, for hot water or steam, single wall								5.00
6700	Funnel, Hot Filtration, Double Wall, Plantamour's:								
	a Tin								4.00
	b Copper								6.00
6705	Funnels, Copper, Hot Filtration, Koch's, on tripod:								
	a Single Wall								4.00
	b Double Wall								6.00
6710	Funnels, Dropping, Walter's, for delivering one drop at a time:								
	Capacity 60 cc.								2.25
6730	Funnels, Separatory, Globe Shape, Long Stem, with glass stopper and stopcock:								
	Capacity cc.	30	60	125	250	500	750	1,000	2,000
a	Plain Glass Stopper	1.45	1.55	1.95	2.35	2.85	3.25	4.00	6.50
b	With Air Vent in Glass Stopper			2.50	3.00	3.60		5.00	7.75
6735	Funnels, Separatory, Globe Shape, Short Stem, Heavy Glass, with glass stopper and stopcock:								
	Capacity cc			500	1,000	2,000	4,000		
	Each			7.00	9.00	12.00	20.00		



6642



6640



6760



6752



6765



6730a



6750a



6750b



6705b



6890



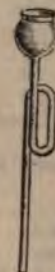
6785



6795a



6780



6795b



6800a



6910



6895



6812



6832



6822

Funnels, Separatory, Cylindrical, open top:							
Capacity cc	30	60	100	125	150	200	250
Each	1.25	1.45	1.75	1.90	2.00	2.10	2.20
Funnels, Separatory, Funnel or Bell Shape, open top:							
Capacity cc				25	50	75	100
Each				1.20	1.50	1.65	1.90
Funnels, Separatory, Angle 60°, heavy glass, with stopcock:							
Diam. inches					4	6	8
Each					4.00	6.00	7.50
Funnels, Separatory, Cylindrical, with glass stopper and long stem:							
Capacity cc	60	125	250	300	500	1,000	1,250
a Plain	1.55	1.95	2.50	2.80	3.00	4.00	4.75
b Graduated		3.10	4.75		5.85	7.80	
Funnels, Separatory, Cylindrical, with glass stopper and short stem:							
Capacity cc						500	1,000
Each						3.75	4.90
Funnels, Separatory, Squibb's, pear shaped, with glass stopper:							
Capacity cc			125	250	500	1,000	2,000
Each			2.35	3.45	4.30	6.50	10.50
Funnels, Separatory, for ether separations in nickel determination in iron and steel analysis:							
a With Glass Stopper and Stopcock, capacity 160 cc.....							2.70
b Carnot's, body 200 cc, bulb 100 cc.....							4.50
Funnel, Straus', With Glass Stopcock, open top, for estimating lactic acid in gastric juice							1.90
125 cc, as used in the U. S. Forest Service							4.50
Funnel, Separatory, Terrapin, for immiscible liquids, with ground glass stopper and stopcock. Capacity 200 cc.....							4.50
Funnel Tubes, glass, straight stem:							
Length mm		200	250	300	400		
Conical Top 60°.....		.15	.16	.18	.20		
Thistle Top: .....		.12	.13	.14	.15		
Funnel Tubes, Safety, with bend in stem:							
Length mm			200	300	400		
a Conical Top 60°.....			.35	.38	.42		
b Thistle Top .....			.33	.36	.40		
Funnel Tube, Safety, Double Bend, thistle top, with two bulbs. Length 300 mm.....							.48
Funnel Tube, Babo's, with thistle top.....							1.75
Funnel Tubes, Safety, thistle top, with bend and bulbs, length about 300 mm:							
a One Bulb .....							.40
b Two Bulbs .....							.50
Funnel Tube, Safety, Double Bend and Short Stem, as used with Kipp's gas generator.							
Length 300 mm.....							.50
Furnace, Crucible, Hoskins Type FD-101, for use in vertical or horizontal position, for 110 and 220 volt circuits, A. C. or D. C. Size of heating chamber 2 in. diam x 2½ in. deep, 0.37 K. W.:							
a Furnace only							28.00
b Furnace and Rheostat							40.00
Electric Furnace, Tube Form, Hoskins Type FD-302, tube form. The heat entirely surrounding the heating chamber, a uniform temperature is secured. The chamber measures 1¼ in. diam. x 12 in. long. Full load 0.55 K. W.:							
a Furnace only							30.00
b Furnace and Rheostat							42.00
Furnace, Muffle, Hoskins Type FD-201 to 204:							
Size of Heating Chamber			Furnace Only		With Rheostat		
a 3½ x 2½ x 7 inches.....			70.00		84.00		
b 4½ x 3 x 10 inches.....			85.00		101.00		
c 5½ x 3¾ x 12 inches.....			115.00		135.00		
d 7½ x 5¼ x 14 inches.....			150.00		185.00		
Furnace, Crucible, Fletcher's Injector, for gas:							
a No. 41 Type. 6½ in. diam. outside, the inside dimensions being 3½ in. deep by 3½ in. diam.							12.00
b No. 41a Type. 9 in. diam. outside, the inside dimensions being 5½ in. deep by 4¾ in. diam.							15.00
Furnace, Crucible, Fletcher's, with Injector Gas Burner, consisting of pot, lid and burner mounted on cast-iron base. Gas supply pipe ⅜ in. Maximum gas consumption is about 24 cubic ft. per hour. Operates on illuminating, natural or gasoline gas without alteration. Accommodates No. 00 Crucible. Outside diam. 4¼ in. Pot, inside, measures 2¾ in. diam. by 2½ in. deep							7.50
Furnace, Combined Crucible and Muffle, for use with illuminating, natural or gasoline gas. Accommodates No. 6 crucible, or will hold about 12 lbs. of metal. Outside diam. 9¼ in. inside dimensions of pot measuring 6½ in. deep by 6 in. diam.....							27.50



7630



7305a



7300



7310a



7320a



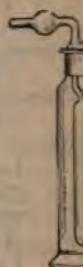
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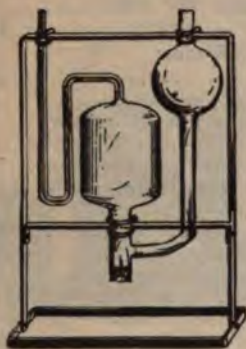
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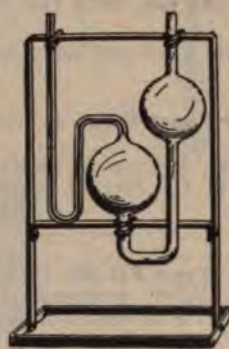
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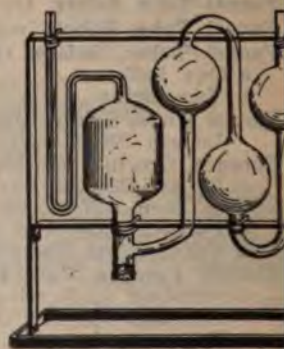
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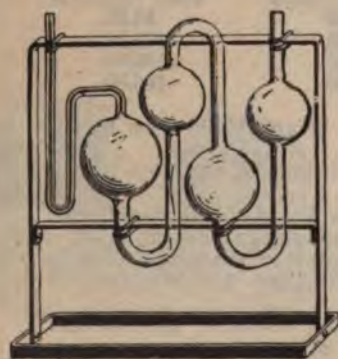
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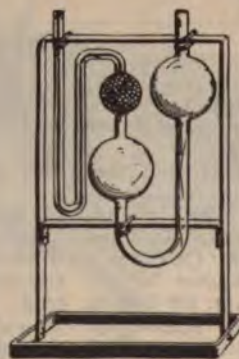
7330b



7330c



7330d



7335



7340

Gas Analysis Apparatus, Orsat, for CO₂, CO, and O₂, especially for use in testing furnace and flue gases. Includes 3 absorption pipettes, manifold tube with stopcocks, burette and aspirator bottle, in wooden carrying case	45.00
Gas Analysis, Williams' Model A, for analysis of combustible gases, in wooden case 17½x12x4 inches	60.00
Gas Analysis Apparatus, Williams' Model B, for analysis of flue gases, in wooden case 17½x9½x4 inches	45.00
Gas Balloons, glass, for weighing gases:	
a Plain, with two outlets	1.50
b With Glass Stopcock, one outlet	2.25
c With Two Outlets	2.25
d With Two Outlets and glass stopcocks	3.75
Gas Burette, Hempel's, including one plain tube, and one graduated to 100 cc by fifths:	
a Without stopcock	4.00
b With Glass Stopcock	5.50
Gas Burette, Bunte's graduated 50 cc by tenths, with two stopcocks:	
a Without Water Jacket	7.50
b With Water Jacket	8.60
Gas Clock Regulator, with tube connections, the valve being controlled by lever action, shutting off the gas at the desired moment	7.50
Gas Collecting Tubes, 125 cc, with two stopcocks:	
a Long Form	3.75
b Short Form	3.75
Gas Collecting Tube, with bulb in center and two stopcocks	3.75
Gas Pipette, Hempel's Absorption, with adjustable clamps on iron support:	
a Simple Absorption, for solid or liquid reagents	5.00
b Simple Absorption, for liquid reagents only	4.50
c Double Absorption, for solid and liquid reagents	6.00
d Double Absorption, for liquid reagents only	6.00
Gas Pipette, Hempel's Simple Absorption for Ethylene, with glass beads, on iron support	6.50
Gas Pipette, Hempel's Simple Explosion, with glass stopcock and platinum electrodes, on iron support	11.00
Gas Pipette, Hempel's Explosion, with stopcock, platinum electrodes and separate leveling bulb and tube, on support	12.00
Gas Pipette, Hempel's Explosion, tall form with electrodes for producing oxygen and hydrogen, on iron support	12.50
Gas Pipette, Hempel's Double, for preparation of pure oxygen, on iron support	12.00
Gas Pipette, Winkler's, for Methane, on metal support with adjustable clamps	12.00
Gas Stopcock, Brass, for use with Gas Bags 7405	1.25
Gas Washing Bottles, Bunsen, with rubber stopper and tube:	
Capacity cc	125 250 500
Each	.60 .75 .90
Gas Washing Bottles, Allihn's, double action, with ground-in stopper:	
Capacity cc	250 500 1,000
Each	3.00 4.00 5.00
Gas Washing Bottle, Muencke's, wide mouth with ground-in tubes, 250 cc	3.50
Gasometers, Berzelius and Pepy's improved:	
Capacity gallons	5 10
a Copper	32.00 40.00
b Zinc	27.00 33.00
Gas Meter, Constant Pressure, Laboratory Type, 2 cu. ft. capacity, with vertical guides and scale reading to 0.01 cu. ft. Includes stopcocks and manometer, pulleys and counterpoise	60.00
Gas Bags, Rubber, oval form, without stopcock:	
Capacity gallons	1 2 3 5
Each	3.00 3.50 4.00 5.00
Gas Distributing Cocks, brass, mounted on heavy iron base:	
a With 2 outlets	4.00
b With 3 outlets	5.00
c With 3 outlets, including center tube	6.00
d With 4 outlets	6.00
e With 4 outlets, including center tube	7.00
Gas Generators, Kipp's, glass, complete with safety funnel tube, stopcock and glass stoppers:	
Capacity cc	250 500 1,000 2,000
Each	10.00 12.00 15.00 20.00
Gas Generator, Oxygen, from oxone or sodium peroxide, the metal case measuring 9½ inches high	20.00
Gas Generator, Hydrogen, from hydrone	35.00
Gas Generating Bottles, or Flasks, heavy wall:	
Capacity pints	½ 1 2 4
Plain	.25 .35 .45 .60
Fitted With Rubber Stopper, Funnel and Delivery Tubes	.60 .70 .80 1.00



7415c



7415e



7512



7620



7415d



7415b



7642



7699



7670



7702



7696c



7701



7645

Gas Tank, Copper, with brass top, inlet and outlet tubes, stopcocks, pulleys and counterpoise. Capacity 10 gallons.....						35.00
Gases, Liquefied or Compressed in Cylinders. Prices on application:						
Ammonia, Anhydrous, liquefied, in cylinders of 10 and 25 lbs.						
Carbonic Acid, liquefied, in 20-lb. cylinder.						
Chlorine, liquefied, in 100-lb. cylinders.						
Sulphur Dioxide, liquefied, in 6-lb. cylinder.						
Oxygen, compressed, high or low pressure.						
Hydrogen, 200 cu. ft. cylinder, compressed to 1,800 lbs.						
Coal Gas, compressed, 225 lbs. pressure.						
Gas Washing Bottles, Dreschel's, with ground-in stopper:						
Capacity cc	100	150	250	500		
High Form	1.25	1.50	2.00	2.25		
Low Form	1.50	1.75	2.50	3.00		
Gas Measuring Tubes, Bunsen's, straight form, closed at one end, graduated:						
Capacity cc	25	50	100	200		
Subdivided by	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	1		
Plain	1.25	1.75	2.00	2.50		
With Stopcock	3.00	3.25	3.50	4.00		
Gas Regulator, Constant Pressure, dial form, for use with Gas Cylinders.						
a Indicates the delivery as well as the residual pressure						35.00
b Indicates delivery only, for use with high pressure cylinders						25.00
Gauge, Combination, Vacuum and Pressure, Dial Form, $3\frac{1}{2}$ in. diam., iron case with nickel plated trimmings, range 0-30 lbs. pressure, and 0-30 inches vacuum.....						10.00
Gauge, Differential (Pitot Tube), including brass tube and glass manometer with metric and English scale one-half meter long. Designed to measure the flow of liquids and gases						15.00
Gauge, Draft, V-Form, Pocket Size, with metal fittings, scale 6 inches long by tenths....						10.00
Gauge, Draft, V-Form, with metal fittings and scale graduated to 1/10 inch:						
Length inches	4	6	8	12	18	24
Each	3.50	4.50	5.00	5.50	6.00	10.00
Gauge, Pressure, for Air, Steam, or Water, Dial Form, $3\frac{1}{2}$ inches diam., in iron case with nickel plated trimmings:						
a Range 0-30 lbs.....						7.50
b Range 0-100 lbs.....						7.50
Gauge, Standard Test, Dial Form, $3\frac{1}{2}$ in. diam., very accurate, with stopcock and nipple for attaching rubber tubing:						
a Pressure, 0-100 lbs.....						18.00
b Vacuum, 0-30 inches.....						18.00
c Combined Pressure and Vacuum as above						20.00
Gauge, Vacuum [Manometer], the glass U-tube being filled with mercury and provided with glass stopcock and adjustable metric scale with mirror, mounted on wooden support						20.00
Gauge, Vacuum, Dial Form, $3\frac{1}{2}$ in. diam., iron case with nickel plated trimmings, range 0-30 inches						7.50
Glass Beads, with hole through center, lb.....						2.00
Glass Cutter:						
a Simple Form, with steel wheel.....						.20
b Turret Form, with 6 cutting wheels of hardened steel .....						.60
c Diamond Point, for cutting or writing on glass.....						7.50
Glass Cutter, Parker's, with copper head burner and gas supply tube.....						2.50
Glass Tubing Cutter, with lever arm and clamp, for attaching to table top.....						9.00
Glass Tube Cutter, for cutting inside of tubing $\frac{3}{8}$ to 1-inch diam. to a depth of about 12 inches from end.....						1.50
Glass Tube Cutter, for cutting exterior surface of tube; can be used at any point regardless of length of tube.....						1.75
Glass Knife, highly tempered steel, wooden handle, as used by glassblowers in cutting glass tubing						1.50
Glass Plates, Circular, for covers:						
Diam. mm	60	80	100	120	150	
a Plain Edges, doz. ....	.75	1.00	1.50	1.80	2.00	
b Ground Edges, doz.....	1.00	1.25	2.00	2.40	2.75	
c Ground One Side, plain edges, doz... ..	1.50	1.75	2.00	2.50	3.00	
Glass Plates, Circular, With Opening, for use with stirring rod, plain edges:						
Diam. mm	50	75	100	125	150	
With Central Hole, doz.	4.00	4.50	5.00	5.50	6.00	
With Side Slot, doz.....	4.00	4.50	5.00	5.50	6.00	



7845



7750



7755



7848



7938



7930



7940a



7915



Hydrometer
(See page 88)



7935b



7935a

Glass Plates, Square, for covers, plain edges:									
Size mm	50	75	100	150	200	250			
Single Thick, doz.	.36	.48	.60	1.08	1.80	3.00			
Double Thick, doz.	.60	.72	.84	1.20	2.40	3.60			
[An extra charge is made if ground on one surface.]									
Glass Plates, Colored, for flame tests, plain edges:									
Size mm	50x50	50x75	75x75	75x100	100x100				
a Blue. [Cobalt], each	.10	.12	.15	.20	.25				
b Red, each	.10	.12	.15	.20	.25				
Glass Rod, resistance quality:									
Diam. mm	2-3	3	4-5	6-7	8-13				
a Flint, lb.	.80	.60	.48	.40	.40				
b Amber, lb.	.92	.72	.60	.52	.48				
c Blue, lb.	1.00	.80	.68	.60	.56				
Glass Tubing, approximate number of feet to a pound:									
Diam. outside mm	4	5	6	7	8	9	10	11	12
Regular wall ft.	63	47	38	31	27	23	21	19	17
Heavy wall ft.	50	36	28	23	19	17	15	13	12
Diam. outside mm	15	16	17	18	19	20	21	22	23
Regular wall ft.	14	13	12	12	11	7	6	6	5
Heavy wall ft.	7	7	6	6	5	5	5	5	4
Glass Tubing, Soft, resistance quality, free from lead, especially adapted for glass blowing and bending. Sizes refer to outside diam.									
Diam. mm	3-4	5-6	7-8	9	10-11	12-14			
a Regular Wall, lb.	1.20	1.00	.80	.50	.40	.40			
b Heavy Wall, lb.			1.00	.65	.55	.55			
Diam. mm	15-21	22-25	26-30	30-38	38-51				
a Regular Wall, lb.	.40	.40	.40	.40	.60				
b Heavy Wall, lb.	.55	.55	.55	.55	.75				
Glass Tubing, Barometer:									
Bore, mm	1	2	3	4	5				
Diam. outside mm	5-14	9-15	7-17	7-17	12-17				
Per lb.	.80	.90	1.00	1.00	1.00				
Glass Tubing, Pyrex, for laboratory use. Standard length 36 inches.									
a Light Wall:									
Diam. outside mm	4.7-12.3	12.7-18.7	19-31.4	31.8-37.7					
Wall thickness mm	.6	.8	1.0	1.2					
Per lb.	1.28	1.48	1.92	2.56					
b Standard Wall:									
Diam. outside mm	4.7-12.3	12.7-18.7	19-31.4	31.8-37.7					
Wall thickness mm	1.2	1.6	2.0	2.4					
Per lb.	.64	.74	.96	1.28					
Diam. outside mm	38-50.4	50.8-53.6	54-63	63.5-69.5					
Wall thickness mm	2.4	2.4	2.4	2.4					
Per lb.	1.60	1.92	2.40	2.88					
c Heavy Wall for Combustion:									
Diam. outside mm	4.7-12.3	12.7-18.7	19-31.4	31.8-37.7	38-50.4				
Wall thickness mm	2.4	3.2	4.0	4.8	4.8				
Per lb.	.96	1.11	1.44	1.92	2.40				
Glass Tubing, Capillary, ½ to 1 mm bore, about 6 mm outside diam.:									
Bore mm			½	¾	1				
Per lb.			.80	.90	1.00				
Glass Tubing, Thermometer, 6 to 7 mm diam., fine capillary bore, as used for thermometers:									
Clear lb.									.75
White Back lb.									1.00
Glass Wool, for filtering:									
a Fine, oz.									.50
b Extra Fine, oz.									.75
Goldbeater's Skin, 6 inches square									.15
Graduates, Conical, with pour-out and broad base:									
Apothecary's Measure:									
Capacity ounces	1	2	4	8	16	32			
Each	.40	.45	.50	.60	1.00	1.50			
Metric Measure:									
Capacity cc	10	30	60	100	125	250	500	1,000	
Each	.40	.40	.45	.50	.50	.60	1.00	1.75	
Double Scale, in ounces and cubic centimeters:									
Capacity ounces	1	2	3	4	8	16	32		
Capacity cc	30	60	100	125	250	500	1,000		
Each	.50	.55	.60	.70	1.00	1.50	2.50		

7855	Graduates, White Enameled Steel, graduated on inside in ounces and cubic centimeters:						
	Capacity cc	250	500	1,000			
	Each	1.50	2.00	2.75			
7915	Heater, Hot Water, Fletcher's Instantaneous, making water hot in three seconds. Complete with burner for illuminating gas. (Burner can be altered for use with natural gas without extra cost).....						1
7928	Hot Plates, Rectangular, Electrically Heated, 9x12 inches, cast iron, three heats, 300 to 880 watts, for 110 volts, including 4 ft. cord and plug						3
7930	Hot Plates, Round, Electrically Heated, slate base, for 110 volts, including 6 ft. cord and plug:						
	Diam. inches	4½	6	7	8	10	12
	a One Heat	8.00	...	10.00	18.00	...	...
	b Three Heats	12.00	18.00	...	22.00	35.00	45.00
7935	Hot-Plates, Electric, Hoskins, for 110 or 220 volt circuits, A. C. or D. C. Complete with 6-ft. cable and plug:						
	a Type MA-101, Round, 6-in. diam. 500 watts, max. temp. 900° F.....						1
	b Type MA-111, Square, 12 x 12 in. 500 watts, max. temp. 500° F. at center, and 250° F. at edge						1
7938	Hot-Plates, Three-Heat, Hoskins Type MA, giving temperatures of 475° F., 600° F., and 750° F. Complete with cable and plug:						
	a Size 12 x 12 in.....						4
	b Size 12 x 18 in.....						5
	c Size 18 x 24 in.....						8
	d Size 18 x 36 in.....						11
7940	Hot-Plates, for Coal or Natural Gas:						
	a Two Burner, size 11½ x 18¾ in.....						15
	b Three Burner, size 19½ x 22½ in.....						18
	c Five Burner, size 21 x 35 in.....						40

HYDROMETERS Standard Form and Size

7968	Acid, Baumé Scale, each						1
	Ranges: 0°-70°; 0°-35°; 35°-70°						
7969	Alkali, Baumé Scale, each						1
	Ranges 0°-60°; 0°-20°						
7972	Battery Hydrometer, Specific Gravity Scale, 1.150 to 1.300, in .01 graduations:						
	a 3½ inches long						
	b 4 inches long						
7975	Battery Hydrometer (Syringe), sp. gr. scale 1.150 to 1.300 in .005 graduations, with rubber bulb, 14 inches, in box with directions.						
	a Best Grade						3
	b Medium Grade						2
	c Commercial Grade						1
7978	Baumé Scale, Heavy Liquids, each						2
	Ranges: 0°-10°; 10°-20°; 20°-30°; 40°-50°; 50°-60°; 60°-70°						
7979	Baumé Scale, Light Liquids:						
	Ranges	10°-20°	20°-30°	30°-40°	40°-50°		
	Each	2.25	2.25	2.25	2.25		
	Ranges	50°-60°	60°-70°	70°-80°	80°-90°		
	Each	2.25	2.25	2.75	3.00		
7987	Gasolene, Baumé Scale, 40° to 90°, in 1° graduations, 5 inches long, with test jar in wooden case						1
7992	Lactometer Scale, 0°-120°, Spence, N. Y. Dairy Commission Pattern, for Milk, 2° graduations, 13 in. long, thermometer in stem, with correction scale and certificate:						
	a Best Grade						5
	b Medium Grade						4
7993	Lactometer Scale (For Milk), New York Board of Health Pattern, 0° to 120°, length 11 inches, plain, without thermometer.....						
7994	Lactodensimeter Scale, 14° to 42° (1.014 to 1.042 sp. gr.).. Quevenne Pattern, for Milk, 1° graduations, 13 in. long, thermometer at top of stem, with certificate:						
	a Best Grade						5
	b Medium Grade						4
7996	Lactometer Scale (for Milk), 24° to 37° (1.024 to 1.037 sp. gr.), as used by Dairy Division of U. S. Dept. of Agriculture, length 11 inches, plain, without thermometer.....						5
7997	Lactodensimeter Scale (for Milk), Quevenne Pattern, 14° to 42° (1.014 to 1.042 sp. gr.), length 11 inches, plain, without thermometer, medium grade						
8012	Salinometer, Special Sea Water Scale, 0° to 3½°, temp. 190° to 200° and 210° F.....						1
8015	Salt Salometer, 0° to 100°, in .01 graduations.....						
8026	Specific Gravity Scale, Heavy Liquids, .01 graduations, range 1.000 to 2.000:						
	a Quality						
	b Quality						

Specific Gravity Scale, Heavy Liquids, in .005 graduations:						
Ranges	1.000-1.200	1.200-1.400	1.400-1.600	1.600-1.800	1.800-2.000	
Each	1.80	1.80	1.80	1.80	2.10	
Specific Gravity Scale, Heavy Liquids, in .002 graduations:						
Ranges	1.000-1.100	1.100-1.200	1.200-1.300	1.300-1.400	1.400-1.500	
Each	2.70	2.70	2.70	2.70	2.70	
Ranges	1.500-1.600	1.600-1.700	1.700-1.800	1.800-1.900	1.900-2.000	
Each	2.70	2.70	2.70	2.70	3.00	
Specific Gravity Scale, Heavy Liquids, .001 graduations:						
Ranges	1.000-1.050	1.050-1.100	1.100-1.150	1.150-1.200	1.200-1.250	
Each	3.30	3.30	3.30	3.30	3.30	
Ranges	1.250-1.300	1.300-1.350	1.350-1.400	1.400-1.450	1.450-1.500	
Each	3.30	3.30	3.30	3.30	3.30	
Ranges	1.500-1.550	1.550-1.600	1.600-1.650	1.650-1.700	1.700-1.750	
Each	3.30	3.30	3.30	3.30	3.30	
Ranges	1.750-1.800	1.800-1.850	1.850-1.900	1.900-1.950	1.950-2.000	
Each	3.30	3.75	3.75	3.75	3.75	
2	Specific Gravity Scale, Light Liquids, in .01 graduations, range 1.000 to 0.600					1.50
3	Specific Gravity Scale, Light Liquids, 1.000 to 0.700, in .005 graduations.					
	a Quality					1.80
	b Quality					.75
6	Specific Gravity Scale, Light Liquids in .002 graduations:					
	Ranges	1.000-0.900	0.900-0.800	0.800-0.700	0.700-0.600	
	Each	2.10	2.10	2.40	3.30	
8	Specific Gravity Scale, Light Liquids, in .001 graduations:					
	Ranges	1.000-0.950	0.950-0.900	0.900-0.850	0.850-0.800	
	Each	3.30	3.30	3.30	3.30	
	Ranges		0.800-0.750	0.750-0.700	0.700-0.650	
	Each		3.30	3.30	4.50	
12	Sulphuric Acid, Specific Gravity Scale, 1.800 to 1.850, in .001 graduations, for Babcock's milk test:					
	a 6 inches long					1.00
	b 7 inches long					2.25
62	Twaddle Scale, in $\frac{1}{2}^\circ$ graduations, each.					1.50
	Number		1	2		
	Ranges		0°-24°	24°-48°		
	Number		3	4		
	Ranges		48°-72°	72°-100°		
	Number		5	6		
	Ranges		100°-134°	134°-180°		
100	Incubator, Freas' Electric, made of heavy asbestos transite and solid cast aluminum frame, with interior glass door, inside dimensions 12 x 12 x 12 inches.					140.00
45	Jars, Aquarium, Round, Low Form, with rim:					
	Diam. inches	7	8	9	10	11
	Height inches	4½	5	5½	6½	7
	Each	1.50	1.65	1.75	2.00	2.25
	Diam. inches	13	14	15	16	17
	Height inches	7¾	8½	8½	9¼	9¾
	Each	3.00	5.00	6.00	7.50	9.00
46	Jars, Aquarium, Round, High Form, with rim:					
	Diam. inches	6	7	8½	9	10
	Height inches	5	6	8	8	9
	Each	1.00	1.50	2.00	2.25	3.50
	Diam. inches	12	13	14	15	16
	Height inches	11	12	13	14	15
	Each		5.00	7.50	9.00	10.00
80	Jars, Battery, Round, hand-made:					
	Diam. inches	4	4	5	5	6
	Height inches	4	5	6	7	8
	Each	.50	.60	.75	.90	1.25
82	Jars, Battery, Round, with seam:					
	Diam. inches			4½	5	6
	Height inches			5	7	8
	Each			.35	.50	.60
55	Jars, Battery, Rectangular:					
	Top inches			4x4	2½x4¼	4x4
	Height inches			4	6	8
	Each			.40	.50	.60
5	Jars, Fruit, with glass cover, rubber ring and spring clamp:					
	Size				1 pt.	1 qt.
	Dozen				1.75	2.00
0	Jars, Mason's Fruit, with glass cover, rubber ring and screw cap:					
	Size			1 pt.	1 qt.	2 qts.
	Dozen			1.00	1.25	1.50



8850



8855



8600



8845



8875



8910



8920



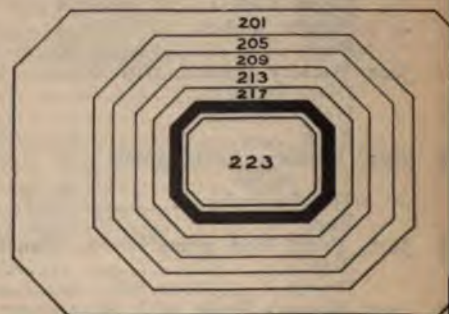
8895



9000



9225



9205

8895	Jars, Museum, Glass, with glass cover, rubber ring and spring clamp:						
	Diam. inches	3½	5	6¼	6¼		
	Height inches	6	8	8	12		
	Each	1.90	3.65	4.75	5.25		
	[Other sizes quoted on application.]						
8910	Jars, Precipitating, Glass, conical, with lip or pour-out:						
	Capacity	½ pt.	1 pt.	1 qt.	½ gal.	1 gal.	
	Each	1.00	1.25	1.75	2.25	3.00	
8920	Jars, Specimen, Flint Glass, extra wide mouth and glass stoppers:						
	Diam. mouth, in.	1¼	2	2½	3	3½	5
	Height in.	3½	5½	6¼	8½	7¾	10
	Each	.60	.80	1.05	1.56	1.95	3.40
8950	Jars, Stoneware, with cover and handles:						
	Capacity gallons	½	1	2	4	6	8
	Each	.50	.75	1.00	2.00	3.00	4.00
9000	Jars, Glass, Candy, round with glass covers:						
	Capacity			1 qt.	½ gal.	1 gal.	
	Each			.75	1.00	1.50	
9005	Jars, Cylindrical, with Glass Cover:						
	Diam. inches	3	4	5½	6	7½	8
	Height inches	6	4	8	6	8¼	12
	Each	1.50	2.00	3.00	3.50	5.00	6.00
9010	Jars, Round, With Glass Cover:						
	Size inches		2x2	4x4	4x5	5x5	
	Each		1.50	2.20	2.50	3.25	
9020	Jars, Stoneware, with narrow mouth, side openings for level gauge and stopcock, suitable for storing distilled water, acids, etc. Capacity 50 liters						35.00
9030	Jars, Surgical, Glass, Round, With Cover, with round knob:						
	Diam. inches	3	4	5	6	8	
	Height inches	3	4	5	6	8	
	Each	.90	1.00	1.50	2.00	3.50	
9040	Jars, Utility, Round, With Glass Cover and rubber ring:						
	Diam. inches	4½	5½	7	9	12	
	Height inches	5½	7¼	8½	11	14½	
	Each	.60	.90	1.75	3.00	9.00	
9200	Kettle, Agateware, with cover and handle:						
	Capacity, quarts		2	4	8		
	Each		.75	1.00	1.25		
9202	Kjeldahl's Digestion Shelf, Round Form, 16 in. diam., with 6 burners						20.00
9203	Kjeldahl's Digestion Shelf, oblong, sheet iron, with rod to support flasks:						
	a Six Burners						20.00
	b Six Burners electrically heated						85.00
	c Ten Burners						30.00
	d Ten Burners electrically heated						125.00
9205	Labels, Gummed, Rectangular, white, with red border, per box:						.10
	Number	201	205	209	213	217	
	Size mm	64x40	42x34	37x28	30x24	27x20	
	Number		219	223	259	261	
	Size mm		38x19	21x17	33x14	52x14	
9207	Labels, Gummed, Rectangular, white with red border, large sizes, in boxes of 100:						
	Number	2,001	2,002	2,003	2,004	2,005	2,007
	Size, inches	1½x3¾	1x3¾	2x4¾	1x2¾	1½x4	1½x2¾
	Per box	.25	.20	.30	.20	.25	.20
9208	Labels, Gummed, Rectangular, In Rolls, perforated, 1,000 labels in roll:						
	Number		205	209	217		
	Size mm		42x34	37x28	27x20		
	Per Roll		1.00	.50	.75		
9210	Labels, Gummed, Rectangular, White With Red Border, In Book Form, perforated, size about 5x9 inches, per book						.25
	Number	201	205	209	213	217	219
	Size mm	45x68	40x50	30x40	28x33	24x32	22x42
	No. of labels	225	300	500	750	750	1,400
9212	Labels, Gummed, Oval, white with red border, Dennison's, per box:						.10
	Number			229	239	241	
	Size mm			42x30	27x17	21x14	
9215	Label Book, Chemical, containing most of the chemicals and reagents, giving name and symbol; gummed, perforated and easily removed. 500 labels						.60
9220	Ladles, Iron, with lip and long handle, for fusing metals, etc.:						
	Diam. inches				2½	4	
	Each				.50	.75	
9225	Ladle, Iron, Detachable Handle, about 4 inches diam.						1.00
9580	Litmus Pencils, combination red and blue for acids or alkalis						.25

LITMUS AND OTHER TEST PAPERS

9585	Litmus Paper: (x) Red; (y) Blue; (z) Neutral:									
	a	Sheets 10x8 in.	quire.....							
		Sheets 10x16 in.	quire.....							
	b	Books 25 strips,	gross.....							
		Books 50 strips,	gross.....							
	c	Vials, 100 strips,	doz.....							
	d	In Rolls, 100 Perforated strips,	in slotted, tin box, doz.							
9586	Congo Red Paper:									
	a	Sheets 10x8 in.	quire.....							
		Sheets 10x16 in.	quire.....							
	b	Books 25 strips,	gross.....							
		Books 50 strips,	gross.....							
	c	Vials 100 strips,	doz.....							
9587	Lacmoid Paper:									
	a	Sheets 10x8 in.	quire.....							
		Sheets 10x16 in.	quire.....							
	b	Vials 100 strips,	doz.....							
9588	Lead Acetate Paper:									
	a	Sheets 10x8 in.	quire.....							
		Sheets 10x16 in.	quire.....							
	b	Vials 100 strips,	doz.....							
9589	Methyl Orange Paper:									
	a	Sheets 10x8 in.	quire.....							
		Sheets 10x16 in.	quire.....							
	b	Vials 100 strips,	doz.....							
9592	Phenolphthalein Paper:									
	a	Sheets 10x8 in.	quire.....							
		Sheets 10x16 in.	quire.....							
	b	Vials 100 strips,	doz.....							
9593	Methyl Red Paper:									
		Vials, 100 strips,	doz.....							
9594	Potassium Iodide Starch Paper:									
	a	Sheets 10x8 in.	quire.....							
		Sheets 10x16 in.	quire.....							
	b	Vials 100 strips,	doz.....							
9596	Turmeric Paper:									
	a	Sheets 10x8 in.,	quire.....							
		Sheets 10x16 in.	quire.....							
	b	Books 25 strips,	gross.....							
		Books 50 strips,	gross.....							
	c	Vials 100 strips,	doz.....							
9750	Measures, Liquid, with spout and handle:									
		Capacity pints			1	2	4	8		
	a	Agateware .....	.50		.60	.75	1.00			
	b	Copper	1.25		1.75	2.00	3.00			
	c	Tin .....	.25		.30	.40	.50			
9752	Measures, Liquid, Metric, brass:									
		Capacity cc	10	20	50	100	200	500	1,000	2,000
		Each .....	.40	.50	.60	.75	.90	1.10	1.25	1.50
9780	Melting-Point Tube, Thiele's, hard glass:									
	a	Regular quality								
	b	Pyrex glass								

MILK AND BUTTER TESTING APPARATUS

	Milk Tester or Centrifuge, Babcock's, standard form, ball bearings, including a set of bottles, pipette, acid measure and acid for 50 to 100 tests, with directions:					
	Number of Bottles	4	6	8	10	12
9805	Hand Power	20.00	22.00	24.00	25.00	27.50
9810	Electric, 110 volts	75.00	77.50	78.50	80.00	85.00
9815	Milk Tester or Centrifuge, Babcock's, Junior Model, Hand Power, with clamps for attaching to table top, including test bottles, pipette, acid measure and acid:					
	Number of bottles				2	4
	a For milk				6.00	7.00
	b For Milk and Cream.....				6.50	7.50
9820	Milk Tester or Centrifuge, Babcock's, Traveling Outfit, in wooden case, including:					
	3 Test bottles for milk.					
	2 Test bottles for cream.					
	2 Test bottles for skim milk.					
	1 Pipette.					
	1 Acid measure.					
	1 Brush.					
	1 Quevenne's lactometer.					
	1 Jar for lactometer.					

(Continued)

9820—(Continued)

1	Floating thermometer.								
1	Acid bottle.								
1	Set directions.								
a	Two-Bottle size								13.75
b	Four-Bottle size								15.00
0	Lactometer, or Milk Hydrometer, ordinary scale, 0° to 120° by 2° divisions, about 11 inches long								.60
5	Creamometer, Chevalier's, for measuring the percentage of cream in milk.								
a	Test Tube, graduated.								.75
b	Cylindrical Jar, graduated.								1.50
c	Cylindrical Jar, graduated with glass stopcock								3.00
8	Creamometers, Cylindrical Jars:								
	Graduated			0-90		0-30			
	Height inches			10		12			
	Each			.75		.60			
2	Acid Tester, Marshall's, for determining the acidity of milk, cream or whey								10.00
5	Acid Test Apparatus, Mann's, for ascertaining the extent of lactic fermentation in cream, also in cheese making. Includes burette stand and clamp, 50 cc burette, 50 cc pipette, 4 oz. Beaker, stirring rod and funnel								7.50
0	Tablets, Alkaline, Farrington's, for acidity of milk, cream or whey, 50 to box								.40
5	Slide Rule, Richmond's, for calculating the total solids in milk with correction scale for specific gravity								6.50
0	Pipette, Acid, Automatic, Farrington's, including two-neck Woulff bottle, automatic pipette 17.6 and rubber bulb.								7.50
5	Dishes, Aluminum, for milk analysis, straight sides:								
	Diam. inches	2	2½	3	3½	4			
	Height inches	½	¾	¾	¾	1			
	Each	.25	.30	.35	.40	.50			
5	Paper, Fat Extracted, in boxes of 50 strips, for determining fat in milk.								3.50
6	Bottles, Acid, for holding sulphuric acid:								
a	Automatic, the burette holding 6 charges.								7.50
b	Combined, with 17.5 cc pipette and stopcock								6.20
c	Stand, Tilting, for above "b"								3.00
7	Bottles, Milk Test, 6 inch, 18 gram:								
	Capacity %		5	6	8	10			
	Graduated into %		1/10	1/10	1/10	½			
	Dozen		3.60	3.60	3.80	4.00			
8	Bottle, Milk Test, according to Bureau of Standards, 6-inch, 8%, 18-gram, doz.								4.40
9	Bottles, Cream Test, 6-inch, 9-gram, doz.								4.20
	Capacity %			30	40	50			
	Graduated into %			½	½	½			
20	Bottle, Cream Test, according to Bureau of Standards, 6-inch, 50%, 9-gram, doz.								4.90
21	Bottles, Cream Test, 6-inch, 18-gram, doz.								4.00
	Capacity %	20	25	30	35	40	40		
	Graduated into %	½	½	½	1	½	1		
	Capacity %		45	45	50	50	60		
	Graduated into %		½	1	½	1	½		
22	Bottles, Cream Test, 9-inch, 9-gram, doz.								4.20
	Capacity %			30	40	50			
	Graduated into %			½	½	½			
23	Bottle, Cream Test, according to Bureau of Standards, 9-inch, 50%, 9-gram, doz.								5.10
24	Bottles, Cream Test, 9-inch, 18-gram, doz.								4.20
	Capacity %		30	40	50	55	60		
	Graduated into %		½	½	½	½	½		
25	Bottles, Milk Test, 9-inch, 18-gram, capacity 10%, graduated in ½%, doz.								4.00
26	Bottles, Butter Test, 9-inch, graduated to 100%, by 1%, doz.								5.00
30	Bottles, Screw Cap, for holding samples of milk or cream:								
	Capacity ounces				1	2			
	Dozen				.75	1.00			
32	Bottle, Casein, graduated, doz.								3.00
35	Cylinders, Milk, 100 cc capacity, graduated to 1 cc:								
a	Reading up								.55
b	Reading up and down.								.60
40	Dish, Aluminum, With Cover, 2 in. diam. by 1 inch deep								.50
43	Funnel, Acid, for filling milk and cream test bottles with acid, doz.								1.20
44	Pipette, Standard Babcock, according to Bureau of Standards, 17.6 cc, doz.								3.10
45	Bottles, Skim Milk Test, graduated to 50/100% into 1%, doz.								9.20
46	Moisture Test Apparatus, for Cheese, Ames'								6.50
47	Moisture Test Apparatus for Butter, Gray's, including flasks, jacket, spirit lamp, rubber stoppers and cylinder, with directions.								4.00
49	Pasteurizing Oven, for steam or hot water, with rack for holding bottles of milk, complete with bottles and brush.								6.00



9848



9875



9965



10190



10195



10201



10272a



10210



10278d



10272g



10400



10278b



10278a

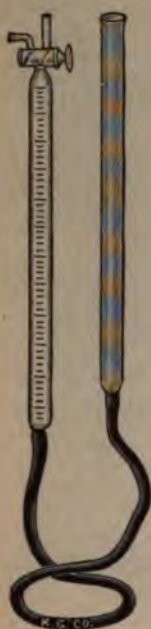


10278c



10272c

Pipettes, Combined, Milk and Cream, doz.	5.9	6.04	8.8	9	17.6	18	2.50
Capacity cc							
Pipettes, Combined, Milk and Cream, 17.6 and 18 cc, doz.							3.00
Pipette, Automatic Milk Test, with rubber bulb, capacity 17.6 cc							2.50
Pipette, Improved, Babcock Test, with suction tube and trap, capacity 17.6 cc							3.00
Measures, Acid, glass cylinders, with pour-out and foot:							
Capacity cc	2	8	8.8	9	17.5	25	
Dozen	1.20	1.20	1.20	1.20	1.20	2.40	
Dippers, Acid, glass, with handle, dozen							3.60
Capacity cc					8.8	17.5	
Brushes for cleaning milk test bottles, doz.							1.20
Burettes, Acid, graduated:							
Capacity cc	17.5	17.5	17.5	17.5	17.5	18	
No. of charges	3	6	12	25	25	25	
Each	2.00	2.00	2.50	3.00	3.00	3.00	
Tablets, Corrosive Sublimate, for keeping milk sweet, as well as for composite tests.							
Colors milk to prevent mistakes.							
a Small Size, 50 tablets							.40
b Large Size, 50 tablets							.60
Test Tubes, Cream, for samples, straight sides, flat bottom, 5 inches long, dozen							1.00
Diam. inches					1	1 1/4	
Thermometer, Dairy, Floating, 10-inch, 10° to 110° F.							3.00
Mortars, Agate, with pestle:							
Diam. mm	30	40	50	60	75		
Each	4.50	6.00	7.50	9.00	15.00		
Mortar, Diamond, hardest steel:							
Diam. of pestle mm.				15	25		
Each				6.00	7.50		
Mortars, Iron, bell shape, with pestle:							
Capacity		1 pt.	1 qt.	2 qts.	1 gal.		
Each		1.50	2.00	3.00	4.50		
Mortars, Glass, with lip, including pestle:							
Capacity, ounces	2	4	8	16	32		
Each	.50	.75	1.00	1.25	2.00		
Mortars, Porcelain, With Lip, glazed outside, with porcelain pestle glazed to grinding surface.							
a Coors:							
Size No.	0	1	2	3	4		
Diam. mm	70	90	115	135	165		
Inside Diam. mm	60	90	100	115	145		
Height mm	45	60	70	80	105		
Capacity cc	75	165	360	600	1,280		
Each	.35	.60	.90	1.35	2.55		
c Ohio:							
No.	0	1	2	3	4	5	6
Diam. cm	65	80	100	110	130	150	165
Each	.30	.40	.50	.60	.80	1.10	1.15
d Mortars, Wedgewood, with pestle having wooden handle:							
Diam. inches	3 1/4	4	5	6 3/4	8	10	
Each	1.50	1.90	2.25	3.00	4.50	6.00	
2 Nitrogen Bulbs:							
a Volhard's							.75
b Volhard's new form							.90
c Troilius'							.75
d Varrentrapp and Wills, with three bulbs							.55
e Varrentrapp and Wills, with four bulbs							.70
f French design							.40
g Fresenius', 125 cc.							.75
250 cc							.90
8 Nitrogen Bulb, Kjeldahl's:							
a With bent connecting tube							1.00
b With two curved tips inside of bulb							1.75
c Jennings' new form for water analysis							2.00
d Hopkins'							1.60
2 Nitrometer, Du Pont's, as used in manufacture of explosives, including glass parts only							35.00
4 Nitrometer, Lunge's, glass parts only:							
Capacity cc					50	100	
Graduated to					1/10	1/5	
Each					6.75	7.50	
6 Nitrometer, Schiff's, 100 cc by 1/5, with reservoir, glass parts only							8.50
8 Nitrometer, Lunge's, as used in determination of nitrogen in gun powder, etc. Graduated from 100 to 140 cc by 1/10. Glass parts only							10.00



10284



10992



10986b



10800



11115



11130



10282



10900



11060



1070



10440b



10440a



11000



10982



11000



11045

Nitrogen Apparatus, Kjeldahl's, including copper condenser with block tin tubes, and digestion shelf with burners:				
a Six Burners				40.00
b Ten Burners				55.00
Oven, Drying, copper, with openings for thermometer and gas regulator:				
a Single Wall:				
Size, outside, inches.....	6x8	8x10	10x12	12x16
On legs	7.50	10.00	15.00	30.00
Enclosed base	8.50	11.50	17.00	33.00
b Double Wall:				
On legs	9.00	13.00	20.00	45.00
Enclosed base	10.00	14.00	22.00	48.00
Ovens, Drying, With Water Bath Top, copper, double wall:				
Size, outside, inches.....	6x8	8x10	10x12	12x16
a On legs	10.00	15.00	20.00	45.00
b Enclosed base	11.00	16.50	22.00	48.00
Oven [Incubator] Triple Wall, Electrically Heated and Controlled, for A.C. or D.C.				
When ordering state voltage:				
Inside dimensions inches.....	9x7x7	12x9x9	14x12x10	
Each	125.00	150.00	165.00	
Oven, Drying, Single Wall, Koehler's, With Double Bottom, Copper, two shelves, mounted on legs. Maintains constant temperature; moisture rapidly removed. Size of oven 10x10x12 inches				
				25.00
Oven, Drying, Double Wall, copper, with 2 shelves, mounted on sheet iron enclosing base:				
Dimensions, inside, inches.....	8x10x9	10x12x10		
a Each, plain	24.00	30.00		
b Each, with water bath top.....	26.00	32.00		
Oven, Drying, Double Wall, copper, with 3 shelves; chamber 11x10x8 inches, mounted on legs				
				40.00
a With side opening for water.....				43.00
Ovens, Drying, Rammelsberg, Single Wall, copper:				
Size, inches	6x5	7x6		
Each	4.00	6.00		
Oven, Drying, Rammelsberg, Double Wall, copper, inside dimensions 6x7 inches deep				
				18.00
Ovens, Drying, Freas' Electric, walls made of heavy asbestos transite, and solid cast aluminum frame, complete with electric cord and plug, adapted for current consumption not exceeding 1,000 watts. The heat is controlled by the well-known Freas' Patent Thermo-Regulator, which is kept constant within a fraction of a degree:				
a Type R (100) Double Wall, temperature range up to 175° C. Inside dimensions of oven 12 x 12 x 12 inches.....				
				135.00
b Type R (108), similar to above but larger, the oven measuring 16 x 14 x 16 inches inside				
				245.00
Paper, Congo Red, in sheets 11x17 inches.....				
				.06
Paper Gage, Thickness, With Dial, reading up to 0.3 inch by thousandths.....				
				45.00
a Pocket Form				
				25.00
Paper, Glazed, white, black or colored, 20x24 inches				
				.03
Paper, Lens, Japanese, very soft, and suitable for cleaning lens or highly polished surfaces:				
a In sheets 9 x 12 inches, per 100.....				.75
b In sheets 12x 18 inches, per 100.....				1.25
Paper, Parchment:				
a Vegetable, sheets 18x24 in.....				.10
b Animal, sheets 17x22 in.....				2.00
Pencils, Wax, for writing on glass or porcelain; in blue, red or black, each.....				
				.15
Percolators, Glass:				
Capacity pints	1	2	4	8
a Conical .....	.60	.75	1.20	1.75
b Cylindrical	1.25	2.00	2.25	3.50
Phosphorus Tube, Goetz, graduated with glass stopper				
				1.50
Portable Photometer, Foot-Candle Meter, an instrument of new design for measuring the intensity and distribution of illumination where artificial lighting is employed. Its practical importance is apparent. Sufficient and proper illumination is a necessity not only for the protection of the eyes, but for successful work. Good lighting means success. This instrument eliminates guesswork. The scale can be used to measure the light intensity in the room at any point, or can be set to indicate a given intensity which would be considered normal. Instructions with each instrument.....				
				32.00
Pipes, Clay, smoker's, doz.....				
				.25
Pipettes, Automatic Dropping, with rubber bulb, 1 cc.....				
				1.58
Pipettes, Dropping, drawn to point, with rubber bulb:				
Length inches	6	8	10	12
Dozen .....	.60	.75	.80	1.00
				1.25

10986	Pipettes, Dropping, (a) Straight, or (b) Curved, with rubber bulb, doz.					
10988	Pipettes, or Medicine Droppers, With Bulb blown in glass, provided with rubber bulb, straight or bent, doz.					
10992	Pipettes, or Medicine Droppers, with rubber bulb:					
	Length, glass, inches.....	2½	2¾	3¼		
	Dozen .....	.36	.40	.45		
10998	Pipette, Mercury, for taking up or delivering small amounts of mercury by lip suction					
11000	Pipettes, Volumetric, with bulb at center of tube, accurately graduated at one mark:					
	Capacity cc	1	2	4	5	10
	Each .....	.18	.18	.18	.18	.20
	Capacity cc	20	25	50	75	100
	Each .....	.30	.35	.45	.60	.75
11001	Pipettes, Volumetric, short form, bulb at lower end, accurately graduated:					
	Capacity cc	1	2	5	10	20
	Each .....	.18	.18	.18	.20	.30
11002	Pipettes, Volumetric, Without Bulb, tapering end, graduated at one point:					
	Capacity cc	1	2	3	4	5
	Each .....	.18	.18	.18	.18	.19
11035	Pipettes, Volumetric, Precision, graduated at 20° C. according to the requirements of the Bureau of Standards:					
	Capacity cc	1	5	10	25	50
	Each	1.00	1.25	1.50	1.75	2.00
	(An extra charge is made for certification by U. S. Bureau of Standards.)					
11045	Pipettes, Mohr's, accurately graduated in fractions of cubic centimeter:					
	Capacity cc	1	1	1	2	2
	Subdivision	1/10	1/50	1/100	1/10	1/20
	Each .....	.35	.40	.45	.35	.40
	Capacity cc	5	5	10	10	25
	Subdivision	1/10	1/20	1/10	1/20	1/10
	Each .....	.40	.45	.45	.50	.60
11048	Pipette, Mohr's, graduated, with glass stopcock:					
	Capacity cc			10	25	50
	Subdivision			1/10	1/10	1/10
	Each			1.60	1.80	2.00
11050	Pipettes, Mohr's, Precision, graduated at 20° C. according to the requirements of the Bureau of Standards:					
	Capacity cc	1	2	5	10	25
	Subdivision	1/100	1/50	1/20	1/10	1/10
	Each	2.00	2.50	3.00	3.50	4.00
	(An extra charge is made for certification by U. S. Bureau of Standards.)					
11060	Pipettes, Overflow, Automatic, with 3-way stopcock and reservoir for collecting excess:					
	Capacity cc		10	15	25	50
	Each	4.00	4.50	5.00	5.50	6.50
11065	Pipettes, Ostwald's, for calibrating 2 cc, with two marks.....					
11075	Pipettes, Graduated, For Water Analysis, as used by Hygienic Laboratory of the U. S. Public Health Service, each.....				2	10
	Capacity cc				2	11
11090	Pipette Rests, Porcelain, size No. 1; length 75 mm; width 65 mm; with four depressions					
	Plates, Porous, for drying precipitates and crystals, dinner plate shape:					
11110a	Coors:					
	Diameter 225 mm.....					
11110c	Ohio:					
	Diam. mm				200	250
	Per doz.				3.20	3.60
	Plates, Porous, Round, unglazed, flat:					
11112a	Coors:					
	Size No. 1; diam. 145 mm; thickness 6 mm					
	Size No. 2; diam. 175 mm; thickness 6 mm					
	Size No. 3; diam. 220 mm; thickness 6 mm					
11112b	Ohio:					
	Diam. mm			140	190	230
	Each .....			.80	1.00	1.80
	Plates, Porous, Square, for drying crystals and precipitates:					
11115a	Coors:					
	Length 300 mm; width 200 mm; thickness 6 mm					
	Length 305 mm; width 305 mm; thickness 6.5 mm					
	Plates, Porcelain, flat surface, glazed throughout except bottom surface.					
11124a	Coors:					
	Length 175 mm; width 137 mm; thickness 6 mm					

Plates, Streak, Unglazed Porcelain, as used for arsenic tests and by mineralogists.

Coors:

Size No.	1	2	3	4	5	6
Length mm	65	70	85	90	100	140
Width mm	50	40	60	65	60	90
Thickness mm	3	3	4	4	4	4
Each .....	.20	.20	.32	.35	.40	.50

Plates, Color, Porcelain, glazed throughout, with exception of bottom surface, for color reactions.

Coors:

Size No.	1	2	3	4
Dimensions mm	110x90	160x125	180x110	180x140
No. of depressions	12	12	24	30
Each .....	.70	.95	1.35	1.50

Ohio:

Size 110x90 mm; 12 depressions..... .75

Platinum Ware. Information and a special list of these goods, will be sent on request.

Platinum Wire:

Size, B. & S.	18	20	22	24	25	26
Grams per foot.....	5.37	3.41	2.08	1.33	1.08	0.85
Size, B. & S.	27	28	30	32	36	
Grams per foot	0.65	0.56	0.33	0.21	0.09	

Platinum Gauze:

Mesh 45, wire No. 31 B. & S., weight 1.500 grams per square inch.

Mesh 52, wire No. 38 B. & S., weight 0.543 grams per square inch.

Platinum Foil:

- a Light Weight (.001 in.) 0.353 grams per square inch.
- b Medium Weight (.002 in.) 0.705 grams per square inch.
- c Heavy Weight (.004 in.) 1.411 grams per square inch.

(Other thicknesses supplied on request.)

Platinized Asbestos. Prices on application.

Platinum Sponge. Prices on application.

Pneumatic Troughs, japanned, with sliding shelf and overflow.

Size inches	5x7x10	5x9x12	6x11x15	8x12x18	12x12x16
Each	1.75	2.00	2.75	3.25	4.00

Pneumatic or "Beehive" Shelf, for use in pneumatic troughs for collecting gases, zinc, 3 in. diam.60

Potash Bulbs:

a Liebig's, with 5 bulbs.....	2.00
b Liebig-Dittmar, with 5 bulbs.....	2.40
c Liebig-Kyll	2.40
d Mohr's plain	3.00
e Mohr's, with calcium chloride tube.....	3.75
f Mohr's, with rubber connections.....	4.50
g Mohr's, with tube ground-in.....	4.50
h Geissler-Wetzel, with ball float valve.....	6.00
i Mitcherling's	1.25
j Norris'	2.00
k Winkler's, small	4.00
l Winkler's, medium	5.00
m Winkler-Kyll	5.00

S-K Water-Jet Vacuum Pump, designed for laboratory use in quick filtration, percolation, evaporation, condensation or distillation. Operates on 10 to 20 lbs. water pressure. All connections are $\frac{1}{4}$ inch, and must be air tight. On 20 lbs. pressure it will produce a vacuum of 29 $\frac{1}{2}$ inches mercury in about 5 minutes. Complete with vacuum gauge 25.00

PYROMETERS

We are prepared to recommend suitable equipment for taking temperatures either indicating or recording, on any kind of apparatus. We list below only a few of the instruments and couples, but complete information on auxiliary equipment, such as Protecting Tubes, Selective Switches, Enclosing Cabinets, method of cold end compensation, will be given on request.

Type PA Portable Pyrometer, Hoskins.

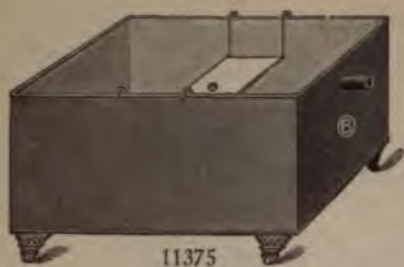
This meter is rugged in construction and is very useful around the laboratory or plant for taking temperatures. The movement is of high grade with a zero temperature coefficient winding and zero adjustor. It is mounted in an aluminum case, making the weight only 5 pounds.

Price of meter only with standard scale..... 60.00

Type PB Wall Mounting Pyrometer, Hoskins.

This meter is of the same rugged construction as the Portable meter listed above, the difference being that it is suited for permanent mounting at the furnace. A selective switch can be provided so that one meter can be connected to any number of furnaces as desired. Information on this will be supplied on application.

Price of meter only with standard scale..... 60.00



11375



11135



11378



11700a

11700b



11700c



11700f



11700k



11700j



11700g



11700h



11700m



12000

12050



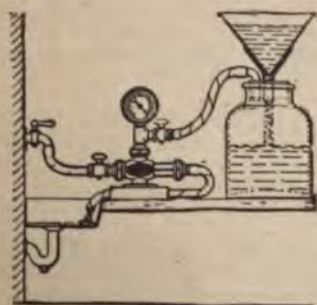
11700e



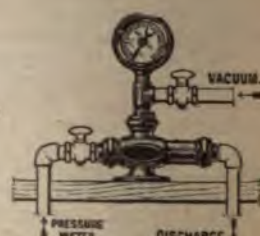
11700d



11700i



11800



15 **Type HA High Resistance Portable Pyrometer, Hoskins.**

This meter is designed especially for accurate work such as checking other pyrometers around the laboratory or plant. It has a zero temperature coefficient winding, zero adjustor, edgewise needle, and mirror scale to eliminate parallax.

Price of meter only with standard scale..... 75.00

20 **Type HE High Resistance Wall Mounting Pyrometer, Hoskins.**

This instrument is designed for permanent mounting and is especially recommended where a number of furnaces are to operate on the meter through a selective switch. The meter has a zero temperature coefficient winding, zero adjustor, mirror scale, and spot pointer.

Price of meter only with standard scale..... 75.00

Standard Scale for PA, PB, HA or HE Meter.

Fahrenheit	Degree for Division	or	Centigrade	Degree for Division
32°-1,000°	10°	or	0°- 550°	5°
32°-1,500°	20°	or	0°- 800°	10°
32°-2,000°	20°	or	0°-1,100°	10°
32°-2,550°	25°	or	0°-1,400°	20°

250 **Thermo-couple for PA or PB meters:**

For general use recommend 3 ft. couple, No. 8 B. & S. gauge elements, with handle and 20 ft. flexible leads.

Price complete 7.50

For use in small electric furnace recommend 18 in. couple, No. 14 B. & S. gauge elements, with handle and 20 ft. flexible leads.

Price complete 6.50

360 **Thermo-couple for HA or HE meters:**

For general use recommend 2 ft. couple, No. 8 B. & S. gauge elements, with couple connector and 20 feet alloy extension leads.

Price 9.00

For use in small electric furnace recommend 18 in. couple, No. 14 B. & S. gauge elements, with couple connector and 20 ft. alloy extension leads.

Price 7.75

40 **Laboratory Pyrometer, Wilson-Maeulen, including portable indicator and Nork wire couple, for use in combustion furnaces, carbon determination furnaces and other high temperature zones where the entrance and clearance to the temperature to be measured is not more than $\frac{1}{8}$ x $\frac{1}{4}$ in. Scale 25-1100° C.**

a **Portable Indicator**, in oak case with carrying handle 60.00

b **Nork Wire Couple**, 12, 14 or 16 inches long, fitted with 10 ft. cold junction leads... 11.50

50 **Reduction Tubes, Pyrex Glass, with bulbs at center:**

Number of Bulbs	1	2	3
Each	.45	.60	.75

65 **Reduction Tubes, Pyrex Glass, with bulb at end. Length 6 inches** 30

75 **Reductor, Blair's, for determining phosphorus in steel by the reduction of the solution by filtration through zinc** 3.00

Retorts, Glass, usual form:

	60	125	250	500	750	1,000	2,000
Capacity cc							
Plain	.60	.80	.95	1.15	1.40	1.60	2.60
Tubulated	.80	1.00	1.25	1.35	1.75	2.00	3.00
With Glass Stopper							
per	.90	1.15	1.50	1.65	2.20	2.50	3.50

58 **Retorts, With Tubulation, Pyrex Glass:**

Capacity cc	125	250	500
Each	1.60	2.00	3.00

59 **Retort Receivers, glass:**

Capacity cc	125	250	500	1,000
a Plain	.75	.80	.90	1.00
b With Tubulature and Glass Stopper	1.00	1.10	1.25	1.50

60 **Retorts, Copper, with iron clamp and brass delivery tube $\frac{1}{2}$ inch diam.:**

Capacity, pints	$\frac{1}{2}$	1	2	4
Each	3.00	3.50	4.00	5.00

65 **Retort, Copper, Conical Shape, for making oxygen, $\frac{1}{2}$ gal. capacity** 10.00

70 **Retorts, Iron, with cover, clamp and delivery tube, for distilling mercury:**

Capacity cc	250	500	1,000	2,000
Each	4.50	5.50	6.00	7.50

80 **Rings, Iron, Concentric, with clamp for ring stand:**

a Set of 3 rings, 6 in. outside diam.						.75
b Set of 4 rings, 8 in. outside diam.						1.00

5 **Rings, Iron, Extension, without clamp:**

Diam. inches	2	3	4	5	6
Each	.15	.18	.20	.25	.30

0 **Rings, Iron, with clamp for attaching to ring stands:**

Diam. inches	$1\frac{1}{4}$	2	3	4	5	6
Each	.20	.22	.25	.28	.32	.35



12020



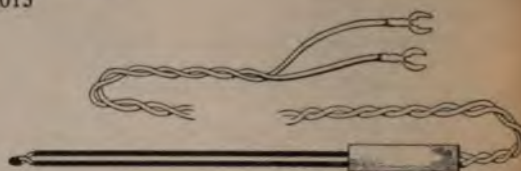
12015



12100



12010



12100



12545



12555



12550



12652a



12652c



12525



12580



12600



12595



12560



12675

LIGHT
WALL

Inside Diameter



$\frac{1}{8}$

$\frac{5}{32}$

$\frac{3}{16}$

$\frac{1}{4}$

$\frac{5}{16}$

$\frac{3}{8}$

$\frac{1}{2}$

HEAVY
WALL

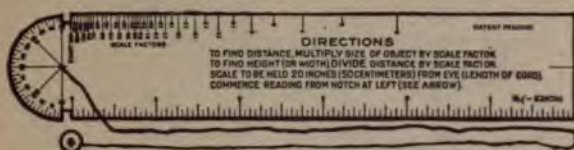


12694 (Light Wall)

12695 (Heavy Wall)

2	Rings, Suberite, for supporting flasks, dishes, etc.:								
	Diam. inside mm.....	30	60	90	120	150	180		
	Each .....	.40	.60	.80	1.00	1.50	2.00		
1	Rubber Caps, flat, for test tubes:								
	Diam. inches			$\frac{1}{2}$	$\frac{3}{8}$	$\frac{3}{4}$	1		
	Dozen			1.25	1.30	1.35	1.50		
1	Rubber Cement, oz. ....								.25
1	Rubber Finger Tips:								
	a Small, doz. ....								.75
	b Large, doz.								1.00
8	Rubber Gloves, with gauntlet:								
	a Small size best								1.50
	b Large size best								2.00
	c Small size, ordinary .....								.50
	d Large size, ordinary .....								.75
9	Rubber Scraper, with hard rubber handle, and soft pointed tip.....								.25
2	Rubber Policemen:								
	a Narrow, flat end, with glass rod, each.....								.12
	b Narrow, without glass rod.....								.07
	c Wide, with glass rod .....								.15
	d Wide, without glass rod.....								.10
15	Rubber Mats, soft and pliable, adapted for use under flasks, beakers, bottles:								
	Thickness inches			$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$		
	Sq. foot			1.00	1.25	1.50	2.00		
10	Rubber Sheet (Dam), tissue, pure gum, oz.....								.25
	Square ft. ....								.30
15	Rubber Stoppers, Chemical Laboratory, soft, pliable and durable, lb. ....								.175
	Size	00	0	1	2	3	4	5	6
	Diam. Top mm.....	14	17	18	20	23	25	27	32
	Diam. Bottom mm.....	10	12	15	16	18	20	23	26
	No. to lb. Solid.....	120	80	60	55	42	33	28	20
	No. to lb. 1-hole.....	130	90	65	60	45	35	30	21
	No. to lb. 2-holes.....	138	94	70	64	47	38	32	22
	Size	7	8	9	10	11	12	13	
	Diam. Top mm.....	37	41	45	50	56	65	70	
	Diam Bottom mm	30	33	37	42	50	59	60	
	No. to lb. Solid..	15	12	11	8	6	5	4	
	No. to lb. 1-hole.	16	13	11	8	6	5	4	
	No. to lb. 2-holes	17	14	12	8	6	5	4	
	Rubber Tubing, White, Cloth Impression, excellent quality, much used for laboratory and burner connections:								
15	Light Wall, Approx. $\frac{1}{8}$ inch:								
	Bore inch	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
	Per foot .....	.04	.06	.08	.10	.14	.20	.28	.35
10	Heavy Wall, Approx. $\frac{1}{4}$ inch:								
	Bore inch	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$
	Per foot .....	.07	.10	.14	.18	.24	.30	.45	.55
	Rubber Tubing (Labruco), Pure Gum, Black or Red, very elastic and durable. It clings to glass tubing thus eliminating the use of wire to insure a perfectly tight connection:								
4	Bore inch	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	
	Light Wall, ft.....	.06	.09	.12	.18	.24	.30	.36	
	Bore inch	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	
	Light Wall, ft.....	.35	.50	.80	.90	1.15			
	Bore inch	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{5}{8}$	
	Heavy Wall, ft.....	.10	.12	.15	.28	.36			
5	Rubber Tubing, Pure Gum, Black, very elastic, best quality:								
	a Light Wall, Approx. $\frac{1}{8}$ inch thick:								
	Bore inch	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{3}{8}$	$\frac{1}{2}$		
	Per foot .....	.08	.10	.15	.17	.25	.42		
	b Heavy Wall Approx. $\frac{1}{4}$ inch thick:								
	Bore, inch	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{3}{8}$	$\frac{1}{2}$		
	Per foot .....	.15	.17	.22	.27	.42	.60		
5	Rubber Tubing, Pure Gum, For Gooch Crucibles, thin wall, very elastic:								
	Outside width when flat, in.....	1	$1\frac{1}{4}$	$1\frac{1}{2}$	$1\frac{3}{4}$	$2\frac{1}{4}$			
	Per foot .....	.20	.24	.25	.30	.40			
	Rubber Tubing, Red Antimony, very elastic and durable, giving excellent service for laboratory or burner connections:								
0	Light Wall, Approx. $\frac{1}{8}$ inch:								
	Bore inch	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{3}{8}$	$\frac{1}{2}$		
	a Machine Made, ft.....	.05	.07	.09	.12	.18	.25		
	b Hand Made, very flexible, ft. ....	.06	.09	.12	.16	.24	.32		

Spatulas, Porcelain, Glazed Throughout, Spatula on Both Ends.										
ia	Coors:									
	Size No.	1	2	3	4	5	5a			
	Length mm	105	120	150	195	212	225			
	Each .....	.25	.35	.42	.55	.72	.85			
ic	Ohio:									
	Length mm	120	145	195	250	310	360	420		
	Price each .....	.25	.30	.40	.60	.70	.90	1.50		
Spatulas, Porcelain, Glazed Throughout, long spatula one end, knob on the other.										
ia	Coors:									
	Size No.	1	2	3	4	5	5a	6		
	Length mm	115	155	200	275	310	345	442		
	Each .....	.35	.42	.62	.85	1.10	1.30	2.65		
ic	Ohio:									
	Length mm	120	145	195	250	310	360	420		
	Each .....	.25	.30	.40	.60	.70	.90	1.50		
Spatulas, Porcelain, Spoon on One End, Spatula on the other.										
ia	Coors:									
	Size No.	1	1a	2	3	4	4a	5	6	
	Length mm	96	120	140	160	190	203	247	490	
	Each .....	.21	.27	.38	.50	.60	.75	.85	2.75	
ic	Ohio:									
	Length mm		120		145		195		250	310
	Price each .....		.25		.30		.40		.60	.70
i	Spatulas, Flexible Steel, wooden handle:									
	Blade inches	3	4	5	6	8	10	12		
	Each .....	.50	.60	.70	.80	1.00	1.75	3.00		
i	Spatula, Rigid Steel Blade, 4 in. long, with wooden handle									1.00
i	Sphygmomanometer, Self-Verifying, dial form, for measuring blood pressure, complete in case									25.00
i	Sponges, Laboratory, for cleaning purposes:									
	a Medium (12 to 14 to lb.), lb.....									1.25
	b Large (6 to 8 to lb.), lb.....									1.75
i	Spoon, Aluminum, table size, medium.									.30
i	Spoons, Bone, with spatula on one end:									
	Length mm						150	170		
	Each .....						.40	.50		
i	Spoons, Glass:									
	a Small .....									.30
	b Medium .....									.50
	c Large .....									.75
i	Spoons, Deflagrating, with handle about 15 inches long:									
	a Iron .....									.10
	b Brass .....									.12
i	Spoons, Horn:									
	Length inches				4	5	6	8		
	a Pointed handle, each.....				.15	.18	.20	.30		
	b Spatula end, each .....				.25	.30	.35	.40		
i	Spoon, Pure Nickel, with spatula end, 18 cm long									1.25
i	Spoons, Sodium:									
0	With Wire Gauze, cover and handle.....									.40
5	With Ramrod, Brownlee's .....									.35
7	Cartridge Shells, about 8x13 mm, doz.....									.15
0	Stencils, Celluloid, with outline of most common chemical utensils, for making rapid and well-proportioned drawings in note-books									.15
5	Still, Glass, Demonstration Type, With Tripod and Clamps, without burner:									
	Capacity of flasks, cc					500	1,000			
	Each complete					10.00	15.00			
7	Still [Retort], Laboratory Type, copper, tin-lined, with removable head:									
	Capacity gals.	1/2	1	2	3	5				
	Each	9.00	12.00	15.00	20.00	30.00				
9	Still, Condenser, Laboratory, Type, made of zinc with block tin worm:									
	Capacity gals.	1/2	1	2	3	5				
	Each	7.50	9.00	11.00	15.00	18.00				
9	Still, Laboratory, Including Copper Retort With Water Gauge, and Condenser of Zinc With Block Tin Worm:									
	Capacity gals.	1/2	1	2	3	5				
	Each	20.00	25.00	36.00	40.00	50.00				



B1200 (See page 104)



13557



12780



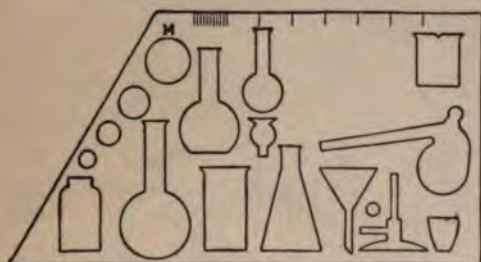
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12785



13555



13550



13215



13225



13488

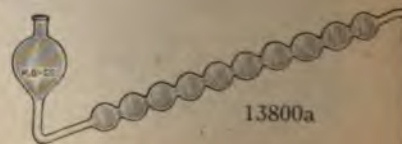
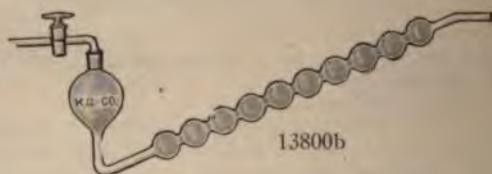
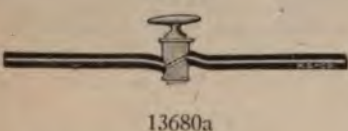
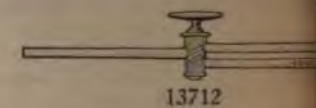
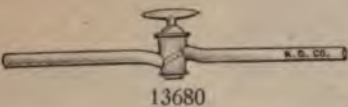
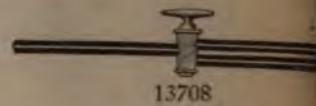
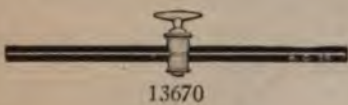
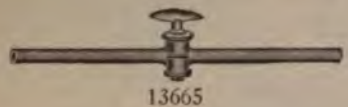
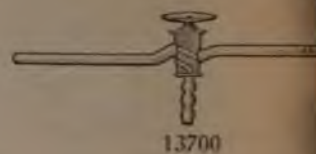
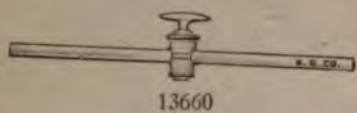


12810



12822

13561	Still, Water, Ralston's, easily filled and used on stove or burner. Will not burn dry. Made of copper and tin. Capacity from 1 to 3 quarts per hour, depending upon heat used. Height 14 in., diam. 9 in.....							15.00
13562	Stills, Water, Acme, wall type, automatic, made of copper and brass, tin-lined, the exterior being nickel plated. Capacity, gals. per hour..... For gas For gasoline For steam			1	2			
				35.00	70.00			
				48.00	...			
				...	75.00			
13563	Still, Water, Automatic, Jewell's, wall type, cast iron, porcelain enameled, durable, easily cleaned, operated at low cost. Capacity per hour, liters..... Each	2	4	6				
		35.00	55.00	80.00				
13564	Stills, Water, Jewell-Polar, automatic, copper, the interior being tin-lined: Capacity, gals. per hour..... For gas, on base..... For gas, wall type..... For steam [laboratory type].....	1/2	1	2	5			
		...	80.00	125.00	225.00			
		35.00	60.00	110.00	...			
		...	...	100.00	150.00			
13565	Stills, Water, Stokes', wall type, automatic, cast-iron, brass condenser tubes tin-lined. The covers are porcelain-lined, except in larger sizes which are made of tin-lined copper: Capacity, gals. per hour..... For gas For gasoline For steam	1/2	3/4	2 3/4				
		30.00	35.00	70.00				
		40.00	...	...		
		...	35.00	90.00				
	(Larger capacities quoted on request.)							
13566	Stills, Water, Barnstead, made of copper, tin-lined: Capacity, gals. per hour..... For gas For electricity	1	2	5				
		65.00	100.00	175.00				
		85.00	130.00	325.00				
13567	Still, Water, Green's, wall form, automatic, cast-iron, retort and body, copper condensing tube heavily tinned, heated by gas burner. An inexpensive, efficient and durable form							40.00
13568	Still, Oil, for destructive distillation of heavy oils and other liquids, requiring high temperature. Made of heavy copper: Capacity gals. Each	1/2	1	2	3	5		
		20.00	35.00	45.00	60.00	75.00		
13569	Still, Water, Automatic, made of heavy copper with steam coil, water gauge, block-tin condensing worm enclosed in zinc holder. Operated by steam heat. Capacity gals. Each				3	5		
					60.00	75.00		
13570	Still [Retort], heavy copper, brazed, for high temperature, easily taken apart by thumb screws attached to flanges: Capacity gals. Each	1/2	1	2	3			
		40.00	45.00	60.00	80.00			
13572	Still, Mercury, Hulett's, as used by U. S. Bureau of Mines. Includes flasks 500 cc with stopcock, side tube, condenser and receiver							15.00
13575	Stills, Automatic Water, Stokes': a For Gas b For Gasoline Burner c For Kerosene Burner d For Steam							25.00 35.00 35.00 30.00
13578	Stills, Water, Automatic, Acme, made of copper and brass, tin-lined and nickel plated: a Size, capacity 1 gal. per hour, for coal or natural gas, including burner..... b Size, capacity 2 gal. per hour, for coal or natural gas, including 4 burners..... c Size, capacity 2 gal. per hour, but with steam coil inside of retort.....							35.00 60.00 60.00
13580	Stirring Apparatus, Electric, for A. C. or D. C., including 3-step pulley, chuck, bracket, stand and motor: Volts A. C. D. C.			110	220			
				35.00	40.00			
				35.00	40.00			
13582	Stirring Apparatus, Turbine, high speed, for water baths, etc.: Length inches Each			8	10	12		
				8.00	10.00	12.00		
13583	Stirring Apparatus, Conical Pulley, 3-steps, with chuck for holding stirring rod, and bracket arm for attaching to a support.....							6.00
13585	Stirring Rods, Glass, both ends rounded: Length, inches ... Diam., inches Dozen	4	5	6	8	10	12	15
		1/8	1/8	1/8	1/8	1/4	1/8	3/8
		.30	.40	.45	.60	.90	1.50	1.75



	Stopcocks, Brass, standard laboratory form, air-tight joints:										
	Bore inch							$\frac{1}{8}$	$\frac{1}{4}$		
5	Both ends tapering							1.00	1.50		
1	One end tapering (male)							1.00	1.50		
5	One end tapering (female)							1.00	1.50		
1	Both ends male							1.00	1.50		
5	Both ends female							1.00	1.50		
1	Male and female							1.00	1.50		
1	Stopcocks, Brass, For Gas, with extra long tapering nipple, corrugated, male thread, $\frac{1}{8}$ inch									1.00	
	Stopcock Nipples, brass, as used on Stopcocks 13595, etc.:										
	Bore inch							$\frac{1}{8}$	$\frac{1}{4}$		
1	With Female Thread							.30	.35		
1	With Male Thread							.30	.35		
1	Stopcocks, Glass, For Burettes:										
	Bore mm							1	2	3	
	Each							1.25	1.35	1.50	
1	Stopcocks, Glass, Geissler's, straight form:										
	Bore mm	1	2	3	4	5	6	8			
	Each	1.10	1.25	1.60	1.75	2.00	2.75	3.50			
1	Stopcocks, Glass, Geissler's, with capillary bore:										
	Bore mm							1	2		
	Each							1.25	1.50		
1	Stopcocks, Glass, Two-Way, with plug bored at angle, 2 mm bore									1.75	
	a With Capillary Side Tubes									2.00	
5	Stopcocks, Glass, Three-Way:										
	Bore mm					2	3	4			
	Each					1.50	1.75	2.00			
8	Stopcocks, Glass, Four-Way:										
	Bore mm					2	3	4			
	Each					2.25	2.75	3.00			
0	Stopcocks, Glass, Three-Way, Geissler's, with capillary side tubes, 2 mm bore									2.00	
5	Stopcocks, Glass, Three-Way, Mercury Seal, with double outlet on one side:										
	Bore mm					2		4			
	Each					4.50		6.25			
18	Stopcocks, Glass, Two-Way, Mercury Seal:										
	Bore mm					2		4			
	Each					3.75		5.00			
00	Stopcocks, Glass, Three-Way, with downward outlet at end of stopper:										
	Bore mm					2		4			
	Each					2.00		3.50			
02	Stopcocks, Glass, Three-Way, With Downward Outlet at end of stopper:										
	Bore mm					1		2			
	Each					1.75		2.00			
08	Stopcock, Glass, With Double Outlet, capillary bore, on same side, oblique holes, 2 mm bore									2.75	
12	Stopcocks, Glass, With Double Outlet, on same side, oblique holes:										
	Bore mm					2		4			
	Each					2.25		4.00			
15	Stopcocks, Glass, Three-Way, Geissler's, with downward outlet at end of stopper, and capillary side tubes:										
	Bore mm					1		2			
	Each					2.75		3.00			
18	Stopcocks, Glass, Fresenius:										
	Bore mm					1		2			
	Each					1.50		1.75			
45	Stopcock Grease, for lubricating ground surfaces and glass stopcocks, preventing leaks. Superior to vaseline, oz.										.30
00	Sulphur Apparatus, Meyer's, bulb tubes, for determination of sulphur in iron by bromine:										
	a Plain									3.00	
	b With Glass Stopcock									5.00	
05	Sulphur Apparatus, set of 3 glass parts, for determining sulphur in oils										4.00
	Supports, Ring Stands, Rectangular Base:										
	Size		Small	Medium	Large		Extra				
	Base, inches		4x6	5½x7½	6½x8½		Large				
	Rod, inches		18x¾	20x¾	24x¾		6½x11				
25	Support only		.45	.60	.80		1.60				
27	Complete with rings		.85	1.25	1.65		2.40				
	Number of rings		2	3	4		4				
28	Supports, Ring Stand, Rectangular Base, with rod in CENTER of base:										
	a Base 6½x8½ in., rod 24x¾ in.									1.00	
	b Base 6½x11 in., rod 30x½ in.									1.50	

STANDARD SCIENTIFIC COMPANY, N. Y.



Supports, Ring Stands, Triangular Base:					
	Size	Small	Medium	Large	Extra Large
	Rod inches	18x $\frac{3}{4}$	20x $\frac{3}{4}$	24x $\frac{1}{2}$	36x $\frac{1}{2}$
30	Support only	.55	.70	.90	1.75
32	Complete with rings	.90	1.35	1.80	2.50
	Number of rings	2	3	4	4
38	Support, Ring Stand, Complete With Extension Rings and Clamps:				
		Small	Medium	Large	Extra Large
	Number of rings	2	3	4	4
	a Rectangular Base	1.50	2.00	2.50	3.50
	b Triangular Base	1.60	2.25	2.75	3.75
48	Supports, Burette, Wooden, on base with adjustable clamp, cork lined, and vertical rod:				
	a For 1 Burette, clamp with round hole				2.25
	b For 1 Burette				1.75
	c For 2 Burettes				2.25
	d For 2 Burettes with steadying arm				3.00
	e For 2 Burettes, clamp with round holes				3.00
	f For 2 Burettes, with steadying arm, the clamp having round holes				3.25
	g For 4 Burettes				3.25
	Support, Burettes, Chaddock's, wooden rod and base with white glass plate, spring brass clamps:				
65	For 1 Burette				3.00
70	For 2 Burettes				4.00
75	For 3 Burettes				5.00
80	Support, Burette, Wooden, for two burettes, designed for attaching to the reagent shelf of laboratory table. By means of the hinged clamp it can be turned out of the way when so desired				
					5.50
895	Support Plate, Iron, Round, 5 in. diam., with clamp for attaching to ring stand				.60
940	Support, Funnel, Aluminum, Stoddard's, with iron base and rod for four funnels:				
	a For 2 inch funnels				3.00
	b For 2½ inch funnels				3.80
950	Support, Funnel, Wooden, single arm, wide form for holding beaker as well as funnel				1.75
	Support, Funnel, Wooden, with single supporting rod, adjustable clamp and arm with holes for funnels:				
955	For 1 Funnel, plain hole, side arm				1.40
960	For 2 Funnels, plain holes, side arm				1.50
965	For 2 Funnels, plain holes, double arm				1.60
970	For 4 Funnels, with side slots, double arm				2.00
972	For 4 Funnels, plain holes, double arm				1.75
	Support, Funnel or Filter Arm, Wooden, with clamp for attaching to ring stand or support rod:				
975	For 3 Funnels				.75
978	For 4 Funnels				.90
980	For 5 Funnels				1.25
	Support, Funnel, Wire Form, for one funnel:				
1010	Adjustable for height 6 to 10 inches, diam. 2 in.				1.25
1020	Plain, diam. 2½ in.				.75
1030	Supports, Funnel, Wooden, Round or Triangular, with hole for one funnel, to be placed over beaker:				
	Diam. mm	50	100	150	200
	Each	.30	.35	.40	.50
	Supports, Funnel, Wooden, on base with support at each end, adjustable for height, holes provided with side slots:				
1035	For 6 Funnels, Single Row				7.00
1040	For 12 Funnels, Single Row				10.00
1045	For 12 Funnels, Double Row				7.50
1046	Leach's, Double Row, for 6 funnels				10.00
1052	Supports, Funnel, Wooden, on base with support at each end, adjustable for height, plain holes without side slots:				
	a Short Form				6.00
	b High Form				5.00
1055	Support, Pipette, Wooden, Revolving, for 12 pipettes				4.00
1058	Support Table, Wooden, Round Top, adjustable for height 10 to 15 inches, base loaded with lead to give stability				
					2.50
1059	Support, Universal, Gay Lussac's, Wooden, with adjustable clamp on rod				2.00
1060	Support, Universal, Schellbach's, Wooden, adjustable clamp				2.50
1095	Support, Universal, with long adjustable clamp on vertical rod ½ in. diam.				2.30
1100	Supports, Test Tube, Wooden, Single Shelf, with standard sized holes and pins:				
	Number of Test Tubes	4	6	10	12
	Each	.75	.90	1.00	1.10
1110	Supports, Test Tube, Wooden, Single Shelf, with 12 holes but without pins:				
	Diam. of holes, inch		¾	¾	1½
	Each		.90	1.00	1.10



14052a



14095



14059



14052b



14060



14055



14192



14110



14058



14100



14165a



14155



14118



14190



14205



14210

14118	Support, Test Tube, Wooden, for 12 test tubes, the holes measuring $\frac{1}{8}$ and $1\frac{1}{8}$ in. diam., with draining pins .....	.90
	Supports, Test Tube, Wooden, two shelves, with pins:	
14155	For 13 Test Tubes	1.00
14158	For 16 Test Tubes	1.25
14160	For 25 Test Tubes	1.50
14165	Support, Test Tube, Wooden, dissectible form, two shelves, with pins:	
	a For 16 Test Tubes	1.25
	b For 25 Test Tubes	1.50
14175	Support, Test Tube, Wire Form, Rectangular, holding 36 to 40 test tubes	1.25
	Support Rack for Test Tubes, with pins of different lengths, in rows. Can be attached to wall or placed on table:	
14185	With 25 Pins	2.00
14190	With 50 Pins	2.25
14192	Support, Test Tube, Wooden, two shelves, with pins, and two tall rods for funnels	2.20
14196	Support, Test Tube, Wire Form, with 1 inch openings:	
	Round, $7\frac{1}{2}$ in. diam.	1.25
	Square, $7\frac{1}{2} \times 7\frac{1}{2}$ in.	1.25
14197	Support, Test Tube, Metal, nickel plated on Japanned iron base, for 10 test tubes, 11 inches long. Holes $\frac{1}{8}$ in. diam.	1.75
14198	Support, Test Tube, Stamped Steel, black enamel finish, $\frac{3}{4}$ and 1 inch holes, with 7 drying pins:	
	a For 14 Test Tubes .....	.50
	b For 18 Test Tubes .....	.75

A NEW LINE OF PRACTICAL SIPHONS FOR LABORATORY OR INDUSTRIAL USE IN SIPHONING LIQUIDS

Considerable development work has been done by us in perfecting this new line of siphons. The different models and various sizes, have been found to be best suited to actual requirements.

Besides its great convenience in transferring liquids from one container to another, the siphon is particularly important to use when corrosive, poisonous or valuable liquids are being used. They not only prevent waste, but accidents and bodily injuries.

The Model A, has the novel feature of starting automatically on the normal hydrostatic pressure of the liquid into which it is inserted. The depth of the liquid should not be less than two or three times the length of the starting bulb. It is especially useful with light liquids. It cannot be relied on for viscous or heavy liquids, such as oils, sulphuric acid, etc.

Model B Stansiphon has considerable power and wide latitude. It can be successfully used with either light, heavy or viscous liquids. Its operation does not depend upon the hydrostatic pressure or depth of the liquid, although there should be sufficient liquid to nearly cover the bulb. This however is simply a matter of volume or quantity of the liquid.

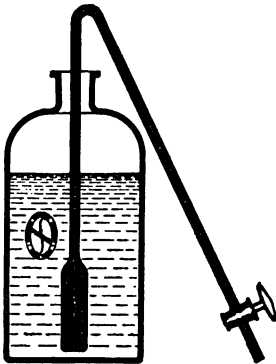
Stansiphon, Model A, automatic or self-starting, made as follows:

Sizes:		I	II	III	IV
	Bulb or starting chamber	$\frac{1}{2} \times 2$ in.	$\frac{3}{4} \times 3$ in.	1 to 4 in.	$1\frac{1}{2} \times 5$ in.
	Length, overall	12 in.	15 in.	18 in.	24 in.
	Bore of delivery tube	$\frac{1}{8}$ in.	$\frac{1}{8}$ in.	$\frac{3}{16}$ in.	$\frac{1}{4}$ in.
	Outside diam. of delivery tube	$\frac{1}{4}$ in.	$\frac{1}{4}$ in.	$\frac{3}{16}$ in.	$\frac{1}{8}$ in.
SA1	Glass, one piece	2.00	2.50	3.00	3.50
SA2	Glass, two pieces, with rubber joint	2.00	2.50	3.00	3.50
SA5	Glass, two pieces, with long rubber joint and glass delivery tube	2.25	2.75	3.25	4.00
SA8	Glass, one piece, with glass stopcock	5.00	5.60	7.20	8.00
SA10	Glass, two pieces, with rubber joint, glass delivery tube and glass stopcock	5.30	6.00	7.50	8.50
SA12	Glass, self-starting bulb only, which may be attached to glass or other tubing by rubber connections	1.50	2.00	2.50	3.00
SA20	Carboy model, glass, one piece or with rubber joint	—	—	—	3.75
SA21	Same as A20 but with glass stopcock	—	—	—	8.00
SA25	Battery model, glass, either one piece or with rubber joint	2.00	2.20	2.50	3.25
SA26	Same as A20, but made of lead	3.75	5.00	6.25	10.00
SA30	Brass, nickel plated, one piece	5.00	6.25	7.50	12.00
SA35	Brass, nickel plated, two pieces, with heavy wall rubber connection	5.30	6.60	8.00	12.50

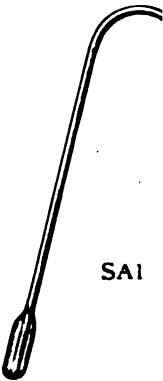
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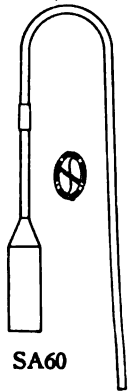
SA5



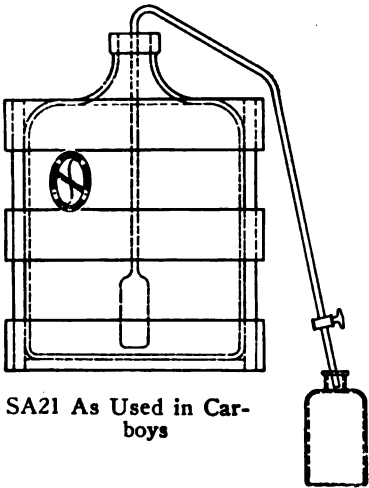
SA8



SA1



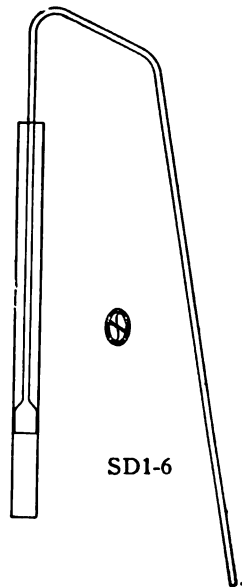
SA60



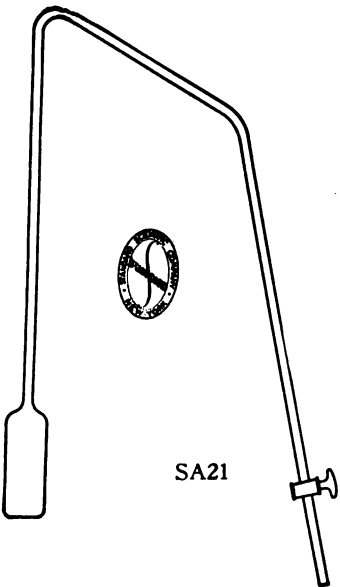
SA21 As Used in Car-boys



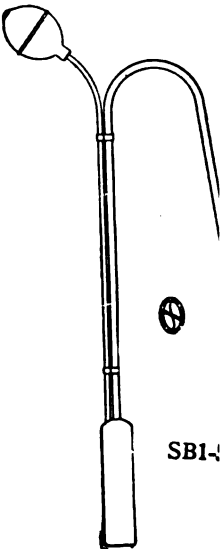
SC1



SD1-6



SA21



SB1-4

(Continued)

40	Brass, nickel plated, two pieces, with flexible connecting tube of lead.....	6.00	7.25	8.75	13.50
40	Laboratory Set of Stansiphons, Model A, will be found convenient for various sizes of bottles. This will include sizes I, II, III, IV, made of glass. Set.....				10.00
50	Aquarium Model, bulb 1½x4 inches, metal with rubber delivery tube.....				1.25

Pinchcocks, Extra:

No. 3540	Spring form, Mohr's, each.....	.15
No. 3555	Screw form, Hofmann's, each.....	.25

siphon, Model B (Patented), with pressure bulb for starting. Operated on the hydraulic press principle. It makes a powerful siphon of wide range of usefulness, with either light, heavy or viscous liquids. Made in the following sizes:

	Outside Diameter of Starting Bulb	Height Overall	Bore of Delivery Tube	Glass	Nickel Plated Brass, or Lead
SB1	¾ inch	18 inches	3/16 inch	5.00	7.50
SB2	¾ "	24 "	¼ "	5.25	8.00
SB3	1 "	20 "	¼ "	5.50	8.75
SB4	1½ "	24 "	⅜ "	6.50	10.00
SB5	2 "	28 "	½ "	8.00	11.25

In ordering, specify inside diameter of neck of bottle or container and height overall; also average depth and kind of liquid to be siphoned.

Glass or metal stopcocks charged extra, according to size and kind desired.

Special sizes made to order.

siphon, Model C, with compression bulb of rubber, operating on the air-lift and gravity principle. A simple design, easily operated, made in the following sizes:

	Length (not including Rubber Bulb)	Bore of Delivery Tube	Glass	Nickel Plated Brass, or Lead
SC1	12 inches	½ inch	3.00	5.00
SC2	12 "	3/16 "	3.50	5.25
SC3	18 "	3/16 "	4.00	6.00
SC4	18 "	¼ "	4.50	6.50
SC5	24 "	¼ "	5.00	7.50
SC6	24 "	⅜ "	5.50	8.00
SC7	26 "	⅜ "	6.00	9.00

(Specify whether all glass, or with rubber joint is desired.) (Specify which metal is desired.)

In ordering, specify inside diameter of neck of bottle or container and height overall; also average depth and kind of liquid to be siphoned.

Glass or metal stopcocks charged extra, according to size and kind desired.

Special sizes made to order.

siphon, Model D, with piston pressure (Patent applied for). A simple design consisting of two parts, namely: a glass cylinder and a delivery tube which operates like a piston. Made in the following sizes:

	Outside Diameter of Cylinder	Length of Cylinder	Height of Piston	Bore of Delivery Tube	Glass	Nickel Plated Brass, or Lead
SD1	¾ inch	12 inches	15 inches	3/16 inch	2.50	5.00
SD2	1 "	16 "	18 "	3/16 "	3.00	5.50
SD3	1¼ "	20 "	22 "	¼ "	3.50	6.00
SD4	1½ "	22 "	24 "	¼ "	4.00	7.00
SD5	1¾ "	24 "	26 "	⅜ "	4.50	7.50
SD6	2 "	26 "	28 "	½ "	5.00	9.00

(Specify whether all glass, or with rubber joint is desired.) (Specify which metal is desired.)

In ordering, specify inside diameter of neck of bottle or container and height overall; also average depth and kind of liquid to be siphoned.

Glass or metal stopcocks charged extra, according to size and kind desired.

Special sizes made to order.

Syphons, Glass:

	Length inches	8	12	15	18	24	30
5	Plain, bent .....	.30	.30	.36	.48	.90	1.20
0	With Side Suction Tube.....	.42	.48	.60	.78	1.20	1.55
5	With Side Suction Tube With Glass Stopcock.....	1.50	1.80	2.10	2.70	3.00	3.60
0	Tapers, Wax, 12 in box.....						.20



N608



14860



N608—Showing Method of Attaching Wire



14265



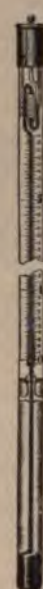
14260



14270a



14275



14490



14300



14255



15000



15005



14949



14950



14948



15014



15016



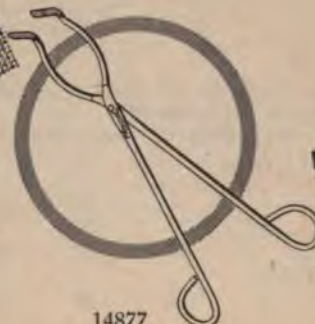
15020



14958



15415



14877



15220

Meliorate Solderless Terminals, Electric, easily attached to wires or leads without the use of solder. Saves times and economizes wire. The variety of tips or contact faces are adapted to most electrical connections. Made in two sizes, A and B. The A size accommodates wires up to No. 16 B. & S. gauge, and the B size up to No. 14 B. & S. gauge. Furnished with fibre insulating and protecting sleeve in red or black:

(Patented)

	A Size	B Size
Style 100 with Central Hole	Doz. 3.00	Doz. 3.60
Style 101 with End Slot	3.00	3.60
Style 102 with Side Slot	3.00	3.60
Style 105 with Spring Test Clip .....	...	4.80

(Special prices will be made when ordered in quantity.)

Test Glasses, Conical, with lip, tall form, for sedimentation:

Capacity ounces	1	2	4	6	8	16
a Plain, each .....	.50	.60	.70	.80	1.00	2.00
b Graduated in Ounces, each .....	.65	.80	1.00	1.10	1.50	2.75
c Graduated in cc, each .....	.80	.90	1.00	1.25	1.75	3.00
d Double Scale, each .....	.90	1.00	1.25	1.50	2.00	3.25

Test Tubes, usual form, suitable for ordinary laboratory uses where a resistant glass is not required:

Size, inches	3x1½	4x½	5x½	5x¾	6x¾	
Dozen	.15	.20	.20	.24	.25	
Gross	1.75	2.00	2.25	2.40	2.60	
Size, inches	6x¾	6x1	7x¾	8x1	10x1	12x1
Dozen	.30	.35	.40	.55	.65	1.25
Gross	2.75	4.00	4.75	6.00	7.75	15.00

Test Tubes, "Perfection," superior quality resistant glass for chemical work, thin wall with lip, usual form:

Size inches	3x1/2	4x1/2	5x1/2	5x3/8	6x3/8	6x3/4	6x1	7x7/8	8x1
Dozen .....	.30	.35	.40	.45	.50	.55	.65	.75	1.00
Gross	3.25	3.50	3.75	4.00	4.50	4.75	7.25	8.00	10.00

Test Tubes, with side neck:

Size inches	5x3/8	6x3/4	7x7/8	8x1	9x1
Dozen	1.30	1.45	1.55	1.80	2.35

Test Tubes, With Bulb Near Top, preventing contents from boiling over, or spilling when laid down:

Size inches	5x3/8	6x3/4
Dozen	1.75	2.00

Test Tubes on Foot, usual form with lip:

Size inches	4x1/2	5x3/8	6x3/4	7x7/8	8x1	10x1	12x1
Dozen .....	.65	1.20	1.50	1.95	2.60	3.75	5.85

Test Tubes, Graduated, usual form, with lip, with or without foot:

Capacity cc	5	10	15	20	25	30
Subdivision	1/10	1/10	1/10	1/10	1/10	1/5
a Without Foot, each .....	.24	.30	.36	.45	.48	.54
b With Foot, each .....	.42	.48	.54	.63	.66	.72

Test Tubes, Ignition, special quality hard glass, heavy wall:

Size inches	4x1/2	5x3/8	6x3/4	7x7/8	8x1
Plain, Without Lip, dozen .....	.60	.75	.85	1.00	1.50
With Lip, dozen .....	.65	.80	.90	1.10	1.60
With Lip and Bulb at Bottom, dozen .....	.75	.90	1.00	1.25	1.75

Test Tubes, Ignition, Pyrex Glass, light wall:

Size mm	75x10	100x12	125x15	150x16	
Each	.05	.06	.08	.10	
Size mm	150x18	100x25	150x25	200x25	250x25
Each	.11	.14	.16	.24	.34
Size mm	300x25	200x29	300x29	200x32	
Each	.38	.38	.43	.44	

Test Tubes, Ignition, Heavy Wall, Pyrex Glass:

Size mm	70x10	100x14	125x16	150x20	200x25
Each .....	.08	.11	.13	.22	.34

Test Tubes, Culture, for Bacteriological work, medium weight glass, without lip, round or flat bottom:

Size inches	4x1/2	5x3/8	6x3/4	7x7/8	8x1
a Round Bottom, gross	3.15	3.60	3.90	6.75	8.25
b Flat Bottom, gross	3.15	3.60	3.90	6.75	8.25

Thermit, a well known compound of metallic oxide and granulated aluminum which, when ignited, produces a chemical reaction that reaches a temperature of 3,000° C. Used commercially for welding purposes. The following sets are selected to perform striking experiments:

a Set I, for welding a piece of steel to a plate, complete with 2 cans of thermit..... 3.00

(Continued)

(Continued)

				(Continued)	
	b Set II, for burning a hole through a steel plate, complete				2
	c Set III, for welding a large boss to a steel plate, showing the method of welding used in industries, complete materials.....				2
	d Set IV, for pipe welding, complete equipment				4
	e Thermit, black, lb.....				
	f Igniting Mixture, lb.....				
14300	Thermometers, Chemical, etched scale, white back:				
	a Fahrenheit Scale.				
	Length	Range			I
	10 inches	220° F.....			
	10 inches	300° F.....			
	12 inches	220° F.....			
	12 inches	300° F.....			
	14 inches	400° F.....			
	14 inches	500° F.....			
	15 to 16 inches	600° F.....			
	15 to 16 inches	700° F.....			
	b Centigrade				
	Length	Range			I
	8 inches	110° C.....			
	10 inches	110° C.....			
	10 inches	150° C.....			
	12 inches	110° C.....			
	12 inches	150° C.....			
	12 inches	200° C.....			
	14 inches	300° C.....			
	14 inches	360° C.....			
	c Double Scale C. & F.				
	Length	Range	Div.		E
	12 inches	220° F.	2° F. 1° C.		
	12 inches	300° F.	2° F. 1° C.		
	14 inches	400° F.	2° F. 1° C.		
	14 inches	500° F.	2° F. 1° C.		
	16 inches	600° F.	2° F. 1° C.		
	16 inches	700° F.	2° F. 1° C.		
14305	Thermometers, Chemical, Lens or Magnifying front, engraved scales:				
	a Fahrenheit				
	Length	Range	Div.		E
	8 inches	220° F.	1°		
	10 inches	220° F.	1°		
	12 inches	300° F.	1°		
	14 inches	400° F.	1°		
	14 inches	500° F.	2°		
	15 to 16 inches	600° F.	2°		
	15 to 16 inches	700° F.	2°		
	b Centigrade				
	Length	Range	Div.		E
	8 inches	110° C.	1°		
	10 inches	110° C.	1°		
	10 inches	150° C.	1°		
	12 inches	110° C.	1°		
	12 inches	200° C.	1°		
	12 inches	300° C.	1°		
	14 inches	360° C.	1°		
	c Double Scale C. and F.				
	12 inches	220° F.-110° C.	1° F. 1° C.		
	12 inches	300° F.-150° C.	2° F. 1° C.		
	14 inches	400° F.-200° C.	2° F. 1° C.		
	14 inches	500° F.-250° C.	2° F. 1° C.		
	16 inches	600° F.-310° C.	2° F. 1° C.		
	16 inches	700° F.-360° C.	2° F. 1° C.		
F58	Thermometer, Chemical, with enclosed milk glass scale. Outside diameter from 8 to 10 mm. Graduations as follows:				
	Graduations				E
	110 C. or 220 F.....				
	150 C. or 300 F.....				
	200 C. or 400 F.....				
	250 C. or 500 F.....				
	300 C. or 600 F.....				
	360 C. or 700 F.....				
	220 F. and C.....				

(Continued)

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300 F. and C.....	3.40		
400 F. and C.....	3.90		
500 F. and C.....	4.70		
600 F. and C.....	5.20		
700 F. and C.....	5.85		
House Thermometer, standard grade, japanned metal case:			
a 8 inch	1.00		
b 10 inch	1.35		
Thermometers, Chemical, With Certificate, superior quality, annealed by special process to insure permanent accuracy, carefully tested and inspected indelible scale, engraved. Diam. approximately 7 mm:			
Length	Range	Sub-Div.	
8 inches	-20 to 120° F.	1°	2.25
8 inches	0 to 120° F.	1°	2.25
8 inches	0 to 220° F.	2°	2.25
10 inches	0 to 300° F.	2°	2.50
12 inches	-20 to 120° F.	1°	2.75
12 inches	0 to 220° F.	2°	2.75
12 inches	+30 to 300° F.	2°	2.75
12 inches	+30 to 400° F.	2°	3.00
12 inches	+30 to 500° F.	2°	3.75
14 inches	+30 to 400° F.	2°	3.75
14 inches	+30 to 500° F.	2°	4.00
14 inches	+30 to 600° F.	2°	4.50
16 inches	+30 to 600° F.	2°	4.75
16 inches	+30 to 750° F.	2°	6.50
8 inches	0 to 50° C.	1°	2.25
8 inches	0 to 100° C.	1°	2.25
10 inches	0 to 150° C.	1°	2.50
12 inches	0 to 100° C.	1°	2.75
12 inches	0 to 150° C.	1°	2.75
12 inches	0 to 200° C.	1°	3.00
14 inches	0 to 200° C.	1°	3.75
14 inches	0 to 300° C.	1°	4.50
16 inches	0 to 200° C.	1°	4.00
16 inches	0 to 300° C.	1°	4.75
16 inches	0 to 360° C.	1°	5.00
16 inches	0 to 400° C.	1°	6.50
12 inches	120° F. and C.	1°	3.50
12 inches	220° F. and C.	2° F. 1° C.	3.50
12 inches	300° F. and C.	2° F. 1° C.	3.50
14 inches	400° F. and C.	2° F. 1° C.	4.50
16 inches	600° F. and C.	2° F. 1° C.	5.50
Thermometers, Chemical, High Temperature, normal glass, nitrogen filled, scale etched on stem, diam. 7 mm, length 16 inches:			
Single Range, 750° F. (or) 400° C.....			3.50
Double Range, 750° F. (and) 400° C.....			4.50
Single Range, 800° F. (or) 450° C.....			4.00
Double Range, 800° F. (and) 450° C.....			5.00
Single Range, 900° F. (or) 500° C.....			4.50
Double Range, 900° F. (and) 500° C.....			5.50
Single Range, 1,000° F. (or) 550° C.....			5.00
Double Range, 1,000° F. (and) 550° C.....			6.00
Thermometers, High Temperature, Chemical, Borosilicate Glass, filled with Carbon Dioxide to prevent boiling of mercury, engraved scale, white enameled back, diam. approximately 7 to 8 mm:			
Length	Range F.	Range C.	
16 inches	900° F. (or) 500° C.		8.00
16 inches	1,000° F. (or) 550° C.		10.00
18 inches	900° F. (or) 500° C.		8.50
18 inches	1,000° F. (or) 550° C.		11.00
20 inches	900° F. (or) 500° C.		9.75
20 inches	1,000° F. (or) 550° C.		12.00
Thermometers, Chemical, with Fractional Division:			
Length	Range	Div.	Each
12 inches	0-120° F.	1/2° F.	3.00
16 inches	30-220° F.	1/2° F.	3.25
20 inches	30-120° F.	1/10° F.	3.50
24 inches	30-220° F.	1/10° F.	4.25
26 inches	100-220° F.	1/10° F.	4.50
15 inches	0-50° C.	1/10°	3.25
16 inches	0-100° C.	1/5°	3.25
24 inches	0-100° C.	1/10°	4.00

F52 Thermometers, Chemical, Normal Resistance Glass, accurately calibrated:**a Fahrenheit.**

Length	Range	Ea
8 inches	120° F.	1
8 inches	220° F.	1
10 inches	120° F.	1
10 inches	220° F.	1
10 inches	300° F.	1
12 inches	120° F.	1
12 inches	220° F.	1
12 inches	300° F.	1
14 inches	400° F.	1
14 inches	500° F.	1
16 inches	600° F.	1
16 inches	700° F.	1

b Centigrade.

Length	Range	Ea
8 inches	110° C.	1
10 inches	110° C.	1
10 inches	150° C.	1
12 inches	110° C.	1
12 inches	150° C.	1
12 inches	200° C.	1
12 inches	300° C.	1
14 inches	360° C.	1

c Double Scale C. and F.

Length	Range	Div.	Ea
12 inches	220° F.	1° F. 1° C.	1
12 inches	300° F.	1° F. 1° C.	1
14 inches	400° F.	1° F. 1° C.	1
14 inches	500° F.	1° F. 1° C.	2
16 inches	600° F.	1° F. 1° C.	2
16 inches	700° F.	1° F. 1° C.	2

F55 Thermometers, Precision, engraved scales, with certificates, in special cases:**a Fahrenheit**

Length	Range	Div.	Ea
12 inches	+30 to 120° F.	1/2°	10
12 inches	0 to 120° F.	1/2°	10
12 inches	+30 to 212° F.	1/2°	1
15 inches	+30 to 120° F.	1/5°	2
15 inches	0 to 120° F.	1/5°	2
15 inches	+30 to 212° F.	1/2°	2
15 inches	0 to 212° F.	1/2°	2
18 inches	+30 to 120° F.	1/5°	3
18 inches	0 to 120° F.	1/5°	3
18 inches	+30 to 212° F.	1/5°	3
18 inches	0 to 212° F.	1/5°	3
18 inches	+30 to 300° F.	1/5°	4

b Centigrade

Length	Range	Div.	Ea
12 inches	0 to 50° C.	1/5°	1
12 inches	-15 to 50° C.	1/5°	1
12 inches	0 to 100° C.	1/5°	1
15 inches	0 to 50° C.	1/10°	2
15 inches	0 to 50° C.	1/5°	1
15 inches	-15 to 50° C.	1/10°	2
15 inches	0 to 100° C.	1/5°	2
15 inches	-15 to 100° C.	1/5°	2
18 inches	0 to 50° C.	1/10°	3
18 inches	-15 to 50° C.	1/10°	3
18 inches	0 to 100° C.	1/10°	4
18 inches	-15 to 100° C.	1/10°	4
18 inches	0 to 150° C.	1/5°	4

F70 Thermometers, Chemical, Maximum Registering. When the mercury rises it passes through a narrow contraction, which prevents it from falling back until shaken. The top of the mercury column indicates the maximum temperature reached.

Length	Range	Div.	Ea
8 inches	100 to 220° F.	2°	
8 inches	100 to 300° F.	2°	
8 inches	100 to 400° F.	2°	
8 inches	20 to 50° C.	1°	
8 inches	30 to 100° C.	1°	
8 inches	50 to 150° C.	1°	
8 inches	50 to 200° C.	2°	

Thermometer, Normal Allihn, set of 3, 12 inches long, with zero and boiling point corrections, enclosed milk glass scale, in leather case		48.00
Thermometers, Normal Standard, With Enclosed Milk Glass Scale, length 20 to 24 inches:		
Range	Sub-Div.	Each
0- 50° C.	1/10	17.00
0-100° C.	1/2	17.00
0-100° C.	1/10	21.00
0-200° C.	1/2	21.00
100-200° C.	1/2	19.00
200-300° C.	1/2	26.00
Thermometer, Low Temperature.		
a -20° to 40° C. in 1° div., 25 cm.		2.50
b -50° to 50° C. in 1/2° div., 30 cm. (Alcohol Filled)		6.00
c -200° to 50° C. in 1° div., 35 cm. (Pentane Filled)		12.00
d -100° to 50° C. in 1° div., 30 cm (Toluol Filled)		10.00
Thermometer, Tin Case, Ordinary Quality, Japan finish, white figures, -40 to +120° F.		
Length inches	8 10 12	
Each	.60 .75 1.00	
Thermometers, Tin Case, black Japan finish, oxidized brass scale with white figures.		
Length inches	8 10 12	
Each	1.00 1.25 1.50	
Thermometer, Wall, Coppered Metal Case, black oxidized brass scale with white figures, magnifying tube, -40° to +120° F.		
Length inches	8 10	
Each	1.00 1.25	
Thermometer, Floating, Dairy, Churn and Pasteurizing, range -20 to +150° F., length 8 inches		1.00
Thermometer, Cabinet, Range -40°, +120° F., Ordinary Grade, metal scale on wooden back, with ring for hanging on wall:		
Length inches	7 8 10	
Each	.60 .75 1.00	
Thermometer, Cabinet, Range -10° to +120° F., First Quality, metal face on wooden base.		
Length inches	6 8 10 12 18	
Each	1.50 2.00 2.50 3.00 5.00	
Thermometer, Window, brass with black scale and white marks, magnifying tube, range -60° to +120° F., length 11 inches, with arms for attaching permanently to window casing:		
Length inches	8 10	
Each	1.00 1.25	
Thermometers, Clinical. 4-inch, in hard rubber case, with certificate:		
1/2 minute		1.00
1 minute		1.25
2 minutes		1.50
Thermometers, Beckmann, for exact determination of slight changes in temperature. Graduated to 1/100 degree over a range of 5° or 6° C., with an auxiliary scale -10° to 120° C. Constructed and graduated according to the U. S. Bureau of Standards:		
a Without Certificate		25.00
b With Certificate by Bureau of Standards (about)		45.00
c Without Auxiliary Scale and Without Certificate		25.00
d With Auxiliary Scale and With Certificate by Bureau of Standards (about)		45.00
Thermometer Reading Lens, to fasten to stem of thermometers to facilitate accurate reading		3.00
Thermometers, Chemical, Standard, Graduated in Fractional Degrees, With Certificate:		
Length	Range Degree Sub-Div.	
12 inches	0- 50° C. 1/2	10.00
16 inches	0- 50° C. 1/10	11.00
16 inches	0-100° C. 1/2	11.00
24 inches	0-100° C. 1/10	15.00
20 inches	100-200° C. 1/2	15.00
24 inches	0-100° C. 1/2	12.00
24 inches	100-200° C. 1/10	17.50
20 inches	30-120° F. 1/10	12.00
24 inches	30-220° F. 1/2	15.00
Thermometers, Chemical, In Armored Case, to lessen liability of breakage, scale engraved on stem:		
Single Range, 6 in. 120° F. (or) 50° C.		2.25
Double Range, 6 in. 120° F. (and) 50° C.		3.00
Single Range, 10 in. 220° F. (or) 110° C.		3.00
Double Range, 10 in. 220° F. (and) 110° C.		3.75
Single Range, 12 in. 500° F. (or) 250° C.		4.00
Double Range, 12 in. 500° F. (and) 250° C.		5.00
(Other ranges quoted on request.)		

14550	Thermometers, Armored, for Asphalt Testing, ranges and prices on application.						
14565	Thermometer and Storm Glass, Combined, marked "Fair," "Rain" and "Stormy" at side, black oxidized scale, magnifying tube, range -60° to 120° F., oak back 9 inches long						
14570	Thermometers, Pocket Chemical, in metal case with chain and pin, length 5 inches:						
	Range						
	-30 to 120° F.						
	+30 to 120° F.						
	-30 to 220° F.						
	+30 to 220° F.						
	0 to 100° C.						
	+10 to 100° C.						
14712	Thermometer, Dairy, metal back, black-oxidized brass scale, white figures, range 20° to 220° F.:						
	Length inches			8	10		
	Each			1.00	1.25		
14835	Tongs, Crucible, Steel, Nickel Plated:						
	Length mm			225	300		
	a Single Bent			.75	.90		
	b Double Bent:			.75	.90		
	Tongs, Crucible, brass:						
	Length mm			225	250	300	
14840	Single Bent			.75	1.00	1.25	
14841	Single Bent Nickel Plated			1.25	1.50	1.75	
14845	Double Bent			.75	1.00	1.25	
14846	Double Bent Nickel Plated			1.25	1.50	1.75	
14860	Tongs, Crucible, Steel, 9 inches long, double bent:						
	a Plain						
	b Nickel Plated						
14875	Tongs, Crucible, Solid Nickel, double bent, 9 inches long						
14877	Tongs, Crucible, Nickel Chromium Alloy, double bent, 9 inches long.						
14880	Tongs, Crucible, Platinum Tipped, prices on application.						
14945	Tray Porcelain, Photographic, Glazed, With Lip. Foot and impression bottom. (Inside measurements.)						
	Size No.	1	2	3	4	5	6
	Length mm	135	188	200	264	268	300
	Width mm	110	138	150	188	205	250
	Depth mm	32	32	38	44	44	50
	Each	.80	.90	1.25	2.00	2.50	3.00
14948	Triangles, Iron Wire, twisted ends:						
	Size inches			1½	2	2½	
	Dozen			.50	.55	.60	
14949	Triangles, Iron Wire, Covered With Plain Clay Sleeves:						
	Size inches			1½	2	2½	3
	Dozen			.75	.80	.90	1.00
14950	Triangles, Iron Wire, Covered With Clay Sleeves Having Projections on Side:						
	Size inches			2	2½	3	3½
	Dozen			1.00	1.20	1.50	
14955	Triangles, Solid Nickel:						
	Size inches	1½	2	2½	3	4	
	Each	.30	.35	.40	.45	.60	
14958	Triangles, Chromel, made of heavy square section wire, free from iron, and highly resistant to acids, fusion or oxidation:						
	Size inches		1½	2	2½	3	
	Each		.30	.35	.40	.45	
14960	Triangles, Nichrome Wire, non-corrosive, high melting point:						
	Size inches		1½	2	2½	3	
	Each		.16	.18	.22	.25	
14980	Triangle Holder With Clamp to Fit Ring Stand						
15000	Tripods, for Water Baths, 8 in. high, Japanned iron, legs at angle:						
	Diam. inside, inches	3	4½	6	8	10	
	Each	.44	.60	.80	1.00	1.25	
15005	Tripods, With Concentric Rings, Japanned iron, 8 inches high:						
	Diam. outside inches	5	6	8	10	12	
	Number of Rings	2	3	4	5	6	
	Each	.70	.90	1.20	1.60	2.30	
15010	Tripods, For Water Baths, 9 in. high, Japanned iron, straight legs:						
	Diam. inside, inches		5	6	8		
	Each		.48	.64	.84		
	Tripods, Iron, usual form:						
15014	Light Pattern, 6 in. high, ring 2½ in. inside diam.						
15015	Bent Leg Pattern, 8 in. high, ring 3½ in. inside diam.						
15016	Medium Pattern, Straight Legs, 8 in. high, 3 in. inside diam. of ring						

120	Tripod, With Adjustable Lamp Bracket, 8 in. high, ring 3 in. inside diam.....	.75
125	Tripod, Iron, With Chimney to protect flame, 9 in. high:	
	Diam. inches 3½ 5 6	
	Each 1.20 1.50 2.00	
128	Tubes, Combustion, Porcelain, for high temperature work, in lengths of one meter. (Longer or shorter sizes furnished.)	
	a Coors (specify glazing desired):	
	Size No. 0 1 2 3 4 6	
	Outside diam. mm..... 10 14 20 28 38 60	
	Inside diam. mm..... 6 10 15 20 28 43	
	Each 5.60 5.60 7.00 8.40 11.20 14.00	
145	Tumbler, Glass, heavy.	
	a Short Form .....	.10
	b Tall Form .....	.15
148	Tubes, Connecting, Glass, Straight Form, with corrugated tips for attaching rubber tubing.	
	Diam. inches ¼ ¾ ½	
	Length inches 2½ 2¾ 3	
	a Both Ends Same Size, each.....	.05 .05 .05
	b Ends Different Sizes, each .....	.05 .05 .05
149	Tube, Reducer, Brass, about 1½ inches long, one end smaller than other to connecting rubber tubing of different diameters from ⅜ to ½ in. ....	.25
150	Tubes, Connecting, "T" Shape, Glass:	
	Diam inches ⅜ ⅝ ¾ ⅞ ¾ ½ ¾	
	Each ..... .08 .09 .10 .11 .12 .17 .45	
151	Tubes, Connecting, "T" Shape, Glass, With Two Stopcocks, bore 5 mm.....	3.00
152	Tubes, Connecting, "T" Shape, Made of Brass:	
	Bore inches ⅜ ⅝ ¾ ⅞ ¾ ½	
	Each ..... .40 .50 .55 .60 .65 .70	
153	Tubes, Connecting, "Y" Shape, Glass:	
	Diam. inches ⅜ ⅝ ¾ ⅞ ¾ ½ ¾	
	Each ..... .08 .09 .10 .11 .12 .17 .45	
154	Tubes, Connecting, "Y" Shape, Made of Lead:	
	Bore inches ⅜ ⅝ ¾ ⅞ ¾ ½	
	Each ..... .25 .30 .35 .40 .50	
155	Tubes, Connecting, "Y" Shape, Made of Brass:	
	Bore inches ⅜ ⅝ ¾ ⅞ ¾ ½	
	Each ..... .40 .50 .55 .60 .65 .70	
156	Tube, Connecting, "Y" Shape, Made of White Metal, corrugated ends for ¾ in. rubber tubing .....	.25
157	Tubes, Connecting, "U" Shape, Glass:	
	Diam. inches ¼ ¾ ½ ¾	
	Each ..... .10 .12 .17 .45	
162	Vapor Density Apparatus. Victor Meyer's, complete with outer jacket of glass, 25 inches long by 1½ in. diam. (Without bottle for testing liquid.)	3.00
	a Bottles, Glass Stopped, for use with above, each .....	.30
165	Vials, Homeopathic, usual form for cork:	
	Capacity drams ½ 1 1½ 2 3 4 6 8	
	Per Gross 1.25 1.25 1.50 1.50 2.00 3.00 4.00 5.00	
165	Vials, Shell, Flat Bottom, plain, packed one gross in box:	
	Capacity drams ½ 1 1½ 2 3 4 6 8	
	Per Gross 1.25 1.25 1.50 1.50 2.00 3.00 4.00 5.00	
170	Vials, Homeopathic, With Screw Metal Cap, packed one gross in box:	
	Capacity drams 1 1½ 2 3 4	
	Gross 3.25 3.75 3.75 4.25 5.50	
	Capacity drams 6 8 10 12 14	
	Gross 8.00 9.00 10.50 11.75 13.00	
22	Viscosimeter, Engler's, for light or heavy oils, etc., with oil container gold-plated and platinum outlet tube, stirring arrangement, ring burner and tripod	
	a Latest Form	50.00
	b Ubbelohde's modification	75.00
23	Viscosimeter, Scott's, for oils, etc.	17.50
35	Watch Glasses, annealed, with smooth ground edges:	
	Diam. inches 2 2½ 3 3½ 4 4½ 5 5½ 6	
	Dozen 1.00 1.30 1.50 1.75 2.00 2.20 2.40 2.65 2.90	
40	Watch Glass, Syracuse, diam. 2½ in.:	
	a Unfinished, gross	10.40
	b Rough Top Edge, gross.....	19.20
	c Polished Top and Bottom, gross.....	27.20
	d Polished Top and Bottom With Roughed Top Edge, gross.....	35.20



15050



15051



15052



15055



15048



15135



15140



15115



17030



15240



Quartz Glass Ware (See page 126)



15120

Watch Glass, Minot's, 2$\frac{3}{4}$ in. diam.:						
a Unfinished, gross						10.40
b Unfinished Rough Top Edge, gross						19.20
c Polished Top and Bottom, gross						27.20
d Polished Top and Bottom, With Roughed Top Edge, gross						35.20
Watch Glass, Syracuse, diam. 2$\frac{3}{4}$ in., with ground in groove for stacking up and to be air tight, gross						
						24.00
Watch Springs, Steel, for burning in oxygen, doz.						
						.25
Water Analysis Outfit, in Portable Case, including apparatus and reagents for examination of water samples at source of supply						
						35.00
Water Testing Apparatus, for determination of ammonia in water, as used by Dept. of Health, New York City, including: metal condenser with block tin coil, 2 support stands, 8 Nessler jars, graduated at 50 and 100 cc in revolving support, flask and burner						
						35.00
Water Baths, Copper, with concentric rings:						
Diam. inches	4	5	6	8	10	12
Plain	1.30	1.50	2.00	3.25	6.00	10.00
With Water Level Regulator	2.50	3.00	3.50	4.75	7.50	12.00
With Steam Valve			7.00	8.25	11.00	16.00
Water Bath, Copper, Deep Form, With Tripod, concentric rings and water level regulator, diam. 6 inches by 4 in. deep						
						7.50
Water Bath, Freas', Electric Heated, copper tank with heavy asbestos outer covering, regulated by the Freas' Thermo-Regulator, giving a temperature control within about 1° C. Temperature range, without cover, is up to 65° C.; with cover it is about 100° C. Oven 4 x 12 x 18 inches:						
a With Cover						180.00
b Without Cover						150.00
Water Baths, Copper, With Multiple Openings and Concentric Rings, Water Level Regulator, mounted on legs:						
a Size 23x13 $\frac{1}{2}$ x5 in., With 7 Openings, 3 of 6 in., and 4 of 4 in. diam.						30.00
b Ditto with steam coil						37.50
c Ditto with electric heating attachment						95.00
d Size 28x14x5 in., With 8 Openings, 5 in. diam.						40.00
e Ditto with steam coil						48.00
f Ditto with electric heating attachment						105.00
g Size 14x14x5 in., With 4 Openings, 5 in. diam.						20.00
h Ditto with steam coil						27.50
i Ditto electrically heated						75.00
Water Bath, Griffin's, Copper, for hot filtration and evaporation, 13x7x5 inches with copper funnel and 5-inch hole with concentric rings, provided with water level regulator, mounted on four legs						
						15.00
Wire Gauze, Brass:						
Mesh	10	20	40	60	80	100
Square foot	.70	.75	.80	.90	1.10	1.60
Wire Gauze, Copper:						
Mesh		20	40	60	80	100
Square foot		.80	1.00	1.10	1.20	1.80
Wire Gauze, Iron:						
Mesh	6	10	14	16	20	30
Square foot	.35	.40	.40	.45	.45	.50
					.75	.90
Wire Gauze, Cut In Squares, 20 mesh:						
Size inches	4x4	5x5	6x6	8x8	12x12	
Brass, each	.10	.14	.20	.40	.70	
Copper, each	.12	.18	.24	.50	.80	
Iron, each	.06	.09	.12	.18	.40	
Wire Gauze, Nichrome, rust-proof, high melting point, very durable:						
Size inches	4x4	5x5	6x6	12x12		
No. 16 Mesh	.45	.65	.95	3.50		
No. 20 Mesh	.70	.90	1.30	5.00		
Wire Gauze, Iron, With Asbestos Center:						
Size inches	4x4	5x5	6x6			
Each	.12	.15	.18			

ALUNDUM WARE

Alundum Capsules:				
Capacity cc	7	10	18	25
Each	.50	.50	.60	.75
Alundum Cement (Refractory), for imbedding or covering electric wires used in high temperature electrical work. Easily mixed with water:				
RA 162, 5-lb. bag				2.00
RA 355, Finer, 5-lb. bag				2.50

17020	Alundum Combustion Boats:							
	Size inches	3½x½	3¾x¾	4½x¾	5x¾			
	Each	.35	.40	.50	.50			
17030	Alundum Crucibles:							
	Capacity cc	10	15	20	25	30		
	Each	.50	.50	.50	.50	.60		
	Capacity cc	40	70	80	90	160		
	Each	.60	.75	.90	1.25	1.50		
17040	Alundum Crucibles, Melting, for pure metals:							
	Diam. inches	1¾	1½	2	2¾	2¾	3	
	Each	2.50	1.00	2.50	1.50	2.50	2.50	
17050	Alundum Dishes, Incineration:							
	Size inches				4½ Square	2¾ Ro		
	Each				2.00	.75		
17060	Alundum Filter Crucibles:							
	Capacity cc				25	35		
	Each				.40	.50		
17070	Alundum Filter Discs:							
	Diam. inches	¾	1	2	3	4	5	6
	Each	.50	.55	.60	.75	.90	1.25	1.50
17080	Alundum Filter Dishes:							
	Diam. inches				2½	4	5½	
	Capacity cc				50	300	400	
	Each				1.10	1.50	2.50	
17090	Alundum Filter Cones, to fit ordinary funnel of 60° angle:							
	Diam. inches				1¾	2½	3	4½
	Each				.40	.75	1.00	1.80
17100	Alundum Tubes, serviceable as a refractory support for quartz combustion tubes:							
	Bore inches	½	¾	1	1¼	1½	2	
	12-Inch Length	2.40	2.40	2.50	3.00	3.75	5.00	
	18-Inch Length	3.75	3.75	4.00	4.50	5.50	7.50	

(Other sizes and lengths can be supplied. Information on request.)

QUARTZ GLASS WARE, FUSED SILICA, OPAQUE AND TRANSPARENT

Quartz Glass, prepared from pure rock crystal quartz, no foreign ingredient being introduced in its manufacture, is absolutely homogeneous in structure. The coefficient of expansion being only about one-seventeenth that of glass or platinum, ware withstands rapid changes of temperatures without breakage. Objects may even be heated to incandescence and plunged into cold water without the least injury. It may be exposed to a continuous temperature of 1,200° C. and for short periods to a much higher temperature. Quartz glass is non-hygroscopic, insoluble in water and most acids, less soluble in alkaline solutions than the best kinds of glass. It is, however, attacked at high temperatures by basic oxides and alkalis.

This ware is especially recommended for Combustion and Pyrometer Tubes, Sulfuric and Nitric Acid condensing and cooling apparatus, high temperature analysis, electric furnace construction, etc., and as a most satisfactory substitute for platinum and similar high cost substances in chemical, scientific and technical high temperature work.

18000	Quartz Beakers, Tall or Low Form, without lip. If lip is desired, a small additional charge of 15 cents will be necessary:							
	Capacity cc	25	50	100	150	200		
	a Opaque, each	1.75	2.00	2.15	2.40			
	b Transparent, each	4.00	6.00	10.00	12.00	13.50		
	Capacity cc	250	300	400	500	800		
	a Opaque, each	3.00	3.40	3.85	4.35	5.25		
	b Transparent, each	15.00	17.50	20.00	25.00	...		
18010	Quartz Capsules, Circular:							
	Capacity cc	10	15	20	30	35	40	75
	Diam. mm	35	44	51	57	60	70	81
	Depth in center mm	13	13	13	13	13	16	25
	Opaque:							
	a Capsules, unglazed, each	.60	.60	.90	.90	1.00	1.25	...
	b Capsules, glazed, each	.85	.85	1.15	1.15	1.35	1.65	1.65
	Transparent:							
	c Capsules, each	2.00	2.25	2.50	3.25	3.75	5.50	3.25
18020	Quartz Combustion Boats:							
	Length mm			44	76	76	102	
	Width mm			13	13	16	16	
	Depth mm			8	8	10	10	
	a Opaque, unglazed each			.50	.75	.90	1.15	
	b Opaque, glazed each			.75	1.15	1.35	1.75	
	c Transparent each			1.50	2.75	3.00	3.75	

50 **Quartz Combustion Tubes, Opaque, With Transparent Section.** Quartz combustion tubes have almost entirely displaced those of porcelain, because they can be heated rapidly and withstand violent temperature changes without cracking. One disadvantage of the opaque quartz tubes now very generally used is that the progress of combustion cannot be conveniently observed. This is overcome by providing such tubes with a section that is transparent. Some standard tubes are listed below:

Bore mm	15-16	15-16	19	19	22	22	25	25
Over all Length mm	610	762	610	762	610	762	610	762
Width 4 in. (100 mm)								
Transparent Section..	10.50	12.00	13.00	14.75	13.75	15.75	16.00	18.00
With 6 in. (150 mm)								
Transparent Section..	11.75	13.25	14.75	16.50	15.50	17.50	18.00	20.25

75 **Quartz Crucibles, Low Form, Wide:**

Capacity cc	4	10	15	25	40	65	145	225
Height mm	19	19	25	28	37	44	51	73
Diam. Top mm.....	41	41	41	48	57	67	81	86

Opaque:

a Crucibles, unglazed, each .....	...	.60	.60	.75	.90	1.25	1.50	2.00
b Covers, unglazed, each....	...	.50	.50	.60	.75	.90	1.10	1.25
c Crucibles, glazed, each....	.65	.85	.85	1.00	1.15	1.65	2.00	3.00
d Covers, glazed, each .....	.55	.55	.55	.65	.85	.85	.85	2.00

Transparent:

e Crucibles, each	1.00	1.50	2.00	2.50	3.75	5.00	6.50	...
f Covers, each	1.00	1.65	1.65	2.00	3.00	3.75	5.00	...

75 **Quartz Crucibles, High Form:**

Capacity cc	10	15	20	30	50
Height mm	32	34	35	38	51
Diam. Top mm.....	19	32	35	43	51

Opaque:

a Crucibles, unglazed, each .....	...	1.25	1.25	1.25
b Covers, unglazed, each .....	...	.50	.50	.60
c Crucibles, glazed, each .....	...	1.35	1.35	1.65
d Covers, glazed, each .....	...	.55	.55	.65

Transparent:

e Crucibles, each	1.50	2.00	2.25	2.50	4.75
f Covers, each	1.25	1.50	1.65	1.90	2.50

Transparent Quartz Deflagrating Spoons, about 10 cm over-all, per doz. 3.00

Quartz Flat Dishes, With Lip:

Capacity cc	20	30	75	150
Diam. mm	63	73	95	124
Depth mm	13	13	18	21

Opaque:

a Unglazed each	1.15	1.25	1.35	1.85
b Glazed, each	1.50	1.65	1.85	2.50
c Transparent	2.50	3.75	6.25	8.75

Opaque Quartz Distillation Flasks, With Side Delivery Tube.

Capacity cc	50	100	150	200	250
Each	2.50	4.80	6.50	7.50	9.00

Transparent Quartz Distillation Flasks, With Side Delivery Tube:

Capacity cc	15	25	50	100	150	200	250	500	750
Each	4.25	5.35	6.75	11.00	14.10	18.20	21.25	27.50	33.75

Quartz Evaporating Dishes.

Capacity cc	25	45	80	90	100	200	400
Diam. mm	51	70	82	89	98	108	137
Depth mm	21	25	30	29	30	44	57

Opaque:

a Unglazed each....	1.00	1.15	1.25	1.35	1.60	1.85	2.85
b Glazed each	1.35	1.50	1.65	1.85	2.15	2.50	6.15
c Transparent	2.25	3.75	5.50	6.00	6.25	8.75	...

Capacity cc	500	600	700	800	1,200	1,400	1,800	1,800	2,500
Diam. mm	130	152	152	178	178	203	203	229	229
Depth mm	63	63	76	70	95	82	108	89	120

Opaque:

a Unglazed, each ...	3.00	3.15	3.50	3.75	3.90	4.35	5.00	6.00	6.75
b Glazed, each	6.35	...	...	...	...	...	...	...	...

300 **Spun Quartz Fibres, in length of about 40 cm, graded in strengths down to 0.006 mm, in skeins of at least 1 gr. weight. Per gramme 2.50**
Special prices for quantities.

18350 Quartz Flasks, Round Bottom, Long Neck:**a Opaque:**

Capacity cc	10	20	30.	40	50	60	70
Each .....	.70	.90	1.20	1.50	1.75	2.00	2.30
Capacity cc	80	90	100	150	200	300	500
Each	2.60	3.00	3.50	4.00	5.00	6.00	7.50

b Transparent:

Capacity cc	15	25	50	100	150	200	300
Each	2.75	3.75	5.00	9.00	12.00	15.00	20.00
Extra for ground-in Stoppers	1.25	1.50	2.00	2.50	3.00	3.50	4.00
Capacity cc	200	250	500	750	1,000	1,500	2,000
Each	16.00	19.00	25.00	31.00	36.00	42.00	48.00
Extra for ground-in Stoppers	3.50	4.00	5.00	6.50	8.00	9.50	11.00

18400 Quartz Plates, up to 12x15 in. are made in thickness up to 1/8 in.; plates up to 12x8 in. are made in 1/8-1/2 in. thickness; prices for round plates are figured as per square plates. For plates smaller than 16 sq. inches, prices for 16 sq. inches will apply.

Thickness mm	1.5	3	4-5	6-7	12-15
a Opaque, per sq. in. ....	...	.03	...	.06	.08
b Transparent, per sq. in. ....	.50	.75	1.00	...	...

18500 Quartz Retorts:

Capacity cc	50	100	150	200	250
a Opaque, plain, each	2.00	4.00	5.50	6.50	7.50
b With ground Stopper, each	3.00	5.50	6.25	8.50	10.00
c Transparent, each	12.50	17.20	32.00	...	...

18550 Opaque Quartz Rods, in lengths up to 6 feet (182 cm):

Diam. mm	1-2	3	4-5	6-7	8	9-10
Per foot .....	.40	.50	.75	1.00	1.25	1.40
Diam. mm	11	12-13	14	15-16	17-18	19
Per foot	1.50	1.60	1.70	1.75	2.00	2.15

18560 Transparent Quartz Rods (furnished in different lengths as desired):

Diam. mm	1	2	3	5	7	10
Per 10 cm .....	.12	.35	.60	1.35	2.50	6.25

18600 Quartz Test Tubes, Opaque:

Diam. mm	13	13	16	16	19	22
Length mm	101	127	127	152	152	178
Each .....	.50	.65	.70	.80	.85	1.15

18610 Quartz Test Tubes, Transparent:

Diam. mm	10	15	15	20	20	25
Length mm	100	100	125	125	150	150
Each	1.10	2.60	3.00	4.00	4.50	5.75

18620 Opaque Quartz Trays, Three Sided:

Length mm	102	162	244	379	406	406
Width mm	70	109	162	241	346	346
Depth mm	25	25	32	38	19	41
Each	1.00	2.15	2.25	4.65	5.00	6.00

18630 Opaque Quartz Trays, Four Sided:

Length mm	152	244	305	406	406
Width mm	92	60	111	203	355
Depth mm	25	25	25	32	41
Each	2.00	2.25	3.25	4.25	6.50
Length mm	508	609	609	609	609
Width mm	355	355	406	508	508
Depth mm	41	41	51	51	102
Each	8.00	10.00	14.00	16.00	20.00

18640 Opaque Quartz Triangles:

Length of Side mm	38	44	51	57	63	70
Each .....	.75	.75	.75	.90	.90	1.00
Nichrome .....	.50	.50	.50	.60	.70	.80
Length of Side mm	76	82	89	95	102	102
Each	1.00	1.00	1.15	1.15	1.25	1.25
Nichrome .....	.80	.90	.90	1.00	1.00	1.00

18650 Transparent Quartz Triangles, made entirely of quartz rod:

Length of Side mm	50	65	75
Each	2.30	3.00	3.50

18660 Opaque Quartz Troughs, round bottom, up to four feet in length:

Diam. mm	19	31-32	44	51
Per foot	2.00	3.00	3.50	4.25

18670 Opaque Quartz Troughs, Flat Bottom:

Width mm	25	31-32	38	38
Depth mm	6-7	9-10	15-16	31-32
Length mm	305	305	305	457
Each	3.00	3.50	4.50	5.50

Transparent Quartz, Capillary Tubes. Furnished in any length and with a bore of about

1 mm:

Outside Diam. mm.....	2	4	6	8	10
Per 10 cm.....	1.00	3.00	5.00	7.00	10.00

Opaque Quartz Tubes, drawn in lengths up to 8 feet.

Bore mm	Wall Thickness mm	Price per foot (30 cm)	Extra price per tube for closed end	Extra price per foot for outside glazing
1-2	.5-3	.25	.10	...
3	1-2	.45	.15	...
4-5	1-2	.75	.20	...
6-7	1-2	.90	.20	...
8	1-2	1.10	.20	.25
9-10	1-2	1.25	.25	.25
11	1-2	1.40	.25	.25
12-13	1-2	1.50	.25	.25
14	1-2.5	1.60	.35	.50
15-16	1-2.5	1.75	.35	.50
17-18	1-2.5	1.90	.50	.50
19	1-3	2.10	.50	.50
22	1-3	2.30	.65	.50
25	1-3	2.50	.75	.75
28-29	2-4	2.75	.75	.75
31-32	2-4	2.90	.75	.75
35	2-4	3.00	.90	1.00
38	2-4	3.20	.90	1.00
41	2-5	3.35	.90	1.15
44	2-5	3.50	1.00	1.25
48	2-5	3.75	1.00	1.35
51	2-5	3.90	1.00	1.40
54	2-5	4.25	1.25	1.50
57	2-5	4.60	1.25	1.50
60	2-5	4.85	1.25	1.75
63	2-5	5.25	1.25	1.75
67	2-5	5.50	...	2.00
70	2-5	6.00	...	2.00

Lengths less than one foot (30 cm) 10 per cent extra. Special quotations for large quantities.

10 Transparent Quartz Tubing:

Bore mm	Max. Stand. Wall Thickness mm	Max. Stand. Length cm	Price per foot (30 cm)
1-1½	1-2	150	1.00
1-2	1-2	150	1.25
3	2	150	1.90
4	2	150	2.15
5	2	150	2.40
6	2	150	2.90
7	2	150	3.15
8	2	150	3.40
9	2	150	3.65
10	2	150	4.00
11	2	105	5.00
12	2	105	6.00
13	2	105	7.00
14	2	105	8.00
15	2	105	9.00
16	2	105	9.50
17	2	105	10.00
18	2	105	10.50
19	2	105	11.00
20	2	105	12.00
22	1½	60	13.00
25	1½	60	14.00
30	1½	45	17.00

(Special wall thicknesses and lengths can be supplied to order.)

- 5 Flotation Sphere, of hollow brass, accurately adjusted so as to float in cold water, but will sink in warm water.....** 6.00
- 5a The same, made of glass.....** 3.00
- 10 Wind Vane, 32 in. long, ball bearings, with electrical attachment having contacts for eight directions. (See Wind Indicator G1015). Height 4 feet.....** 50.00
- 5 Vernier Model, Straight, large size, with sliding vernier for demonstration.....** 4.00
- 7 Vernier Model, Circular, large size, with movable vernier, for demonstration.....** 15.00



BM-12



B406b



BRMS-13



BBM-15



CLM-15



BCM-12



CM-12



CRM-18



BMP-12

605	Brass Connecting Tubes, L, T and Y Shapes:	
	a L-Shape, $\frac{1}{4}$ in. outside diam.....	.25
	b T-Shape, $\frac{1}{4}$ in. outside diam.....	.36
	c Y-Shape, $\frac{1}{4}$ in. outside diam.....	.36
	(Other sizes can be supplied.)	
406	Drawing Instruments, In Sets, made of brass and steel, in folding pocket case:	
	a With ruling pen and compasses provided with divider points, pen, pencil and lengthening bar, in case, set	3.75
	b The same, but including combination bow instrument with reversible pen and pencil, in case, set	4.25
	c With ruling pen, compasses with divider points, pen, pencil and lengthening bar, combination bow instrument with reversible pen and pencil point, and plain divider	7.00
	d Same as above but including a steel spring bow divider	8.75
07	Drawing Instruments, In Sets, made of nickel-silver and steel, in folding pocket case:	
	a Including ruling pen, compasses with needle points, pen, pencil and lengthening bar, and metal handle for pen, pencil or divider point	4.75
	b The same, but including a combination bow instrument, with reversible pen and pencil point	6.50
	c The same as "b," but including plain dividers	8.75
	d The same as "c," but including steel spring bow dividers	10.00
08	Drawing Instruments, made of brass and steel, in pocketbook case, containing ruling pen, compasses (complete), with steel spring bow, pencil and pen, set.....	14.75

PROJECTION LANTERNS AND ACCESSORIES

12	Balopticon, Model B, with 400-watt Mazda Projection lamp, 115 volts, 12 inch focus lens, complete in case. A compact, portable lantern giving excellent results.....	60.00
P-12	Balopticon, Traveling, Model B, with 400-watt Mazda projection lamp, 115 volts, 12 inch focus lens and carrying case. The case is designed for holding extra slides, etc., and may be used for supporting the lantern when in use.....	72.50
M-12	Balopticon, Model BC, with high power projection lamp of 600 watts, 110 volts, 12 inch focus lens and carrying case	72.50
M-15	Balopticon, Double, for Dissolving Views, with two Mazda projection lamps of 400 watts, 115 volts, two 15 inch focus lenses, single lamp house and carrying case...	125.00
	Balopticon, Model C, with 12-inch focus lens. Compact and efficient, regularly supplied with three different illuminants, in carrying case:	
12	With Mazda Projection Lamp, 400 watts, 115 volts	66.00
12	With Arc Lamp, hand feed.....	62.50
12	With Acetylene Burner	63.00
M-15	Balopticon, Model CL, with 1000-watt Mazda projection lamp, 115 volts, large lamp house, 15-inch focus lens	85.00
MS-13	Balopticon, Duplex, for Opaque and Lantern Slide Projection, adapted for home or class-room. Complete with 400-watt Mazda projection lamp, gas-filled, 115 volts, giving ample illumination for a 4-foot picture, including aluminum-coated screen $4\frac{1}{2}$ ft. square	81.00
18	Balopticon, Combined, for Opaque and Lantern Slide Projection, including high-power 1000-watt Mazda projection lamp, 115 volts, 18-inch focus lens for opaque objects, and 10-inch focus lens for lantern slides.....	185.00
	(This outfit can also be supplied with a lens of larger diam. and greater focal-length. Price on application.)	
A	Balopticon, Model D, with optical bed $19\frac{1}{2}$ in. long, accurately machined, on which various optical experiments can be performed:	
	a With 10-inch projection lens	90.00
	b With 12-inch projection lens	95.00
	c With 15-inch projection lens	95.00
RA	Balopticon, Convertible, a high grade instrument, designed for both opaque and lantern slide projection	325.00
10	Standard Projection Lenses, as Used in Projection Lanterns:	
	Focus inches	6 8 10 12 15 18
	Each	14.50 14.50 21.50 21.50 21.50 21.50
1200	Tables, Metal, for Projection Lanterns:	
	Size of top inches	30x14 32x16 $\frac{1}{2}$ 40x17
	Each	15.00 24.00 45.00
1150	Projection Screens, on spring rollers:	
	Size feet	6 7 8 9 10 12
	a White	8.00 10.50 14.50 22.50 27.50 53.50
	b Aluminum Coated	11.50 15.50 20.00 23.00 35.00 60.00
	c Sateen	7.00 10.00 16.00 24.00
710	Slide Holders, for standard lantern slide $3\frac{1}{4}$ x4 inches:	
	a Plain, for 2 slides	2.00
	b Rapid Changing, new form	5.00
60	Rheostats, for 110 volts:	
	Capacity amperes	8 15 5-10-15 15-25 20-35
	Each	12.50 10.25 18.00 27.00 40.50



M275



M250



M740



M265



M922



M920



M850

Wire, Twin Cable, Rubber Covered:					
Size No.	10	12	14	16	
Amperes	25	15	12	10	
Per foot	.25	.20	.12	.08	
Mazda Projection Lamps (Bulbs only):					
a 400-watts					5.50
b 1000-watts					10.00
Carbons, Soft Core, 6 inches long:					
Diam. inches	$\frac{7}{8}$	$\frac{7}{8}$	$\frac{7}{8}$	$\frac{1}{4}$	
Each	.05	.04	.05	.04	

PHOTOGRAPHIC SUPPLIES

50	Kodak, Vest Pocket, Autographic, 1½x2½ in. pictures:								
	a With Achromatic Lens								9.49
	b With Rapid Rectilinear Lens								10.58
	c With Anastigmat Lens f. 7.7								22.58
265	Kodak, Autographic, 1A, folding, pictures 2½x4¼:								
	a With Rapid Rectilinear Lens								25.02
	b With Anastigmat Lens f. 7.7								30.66
275	Kodak, Autographic, No. 3, folding, pictures 3¼x4¼:								
	a With Rapid Rectilinear Lens								24.93
	b With Anastigmat Lens f. 7.7								30.56
740	Graflex Camera, 3A, 3¼x5½, with anastigmat lens f. 6.3								156.80
850	Revolving Back Cycle Graphic Cameras, including double plate holder and case:								
				4x5		5x7			
	a With Rapid Rectilinear Lens and Automatic Shutter			95.14		110.87			
	b With Anastigmat Lens f. 6.3 and Volute Shutter:			143.86		182.68			
	c With Convertible Protar Lens VIIa, and Volute Shutter			193.99		229.62			
320	View Camera, Empire State, 11x14 in., including plate or film holder and carrying case								79.20
422	View Camera Outfit, No. 1, including camera with rapid rectilinear lens, automatic shutter, 6 plate or film holders, tripod, focusing cloth and carrying case:								
	a Size 5x7 inches								82.98
	b Size 6½x8½ inches								96.72
	c Size 8x10 inches								110.41
000	Universal Laboratory Outfit, including laboratory stand, copying camera, combination bromide paper and plate holder, negative holder, set of spring finger kits, ground glass:								
	a Size No. 1, 5x7 in.								99.59
	b Size No. 2, 8x10 in.								167.17
12	Enlarging Camera, Revolving Back, 8x10 inches, without lens								44.80
30	Lantern Slide Camera, Century, without lens, 3¼x4 in.								46.54
40	Enlarging Camera for Vest Pocket Kodak, making enlargements 3¼x5½ in. from negative 1½x2½ in.								3.71
48	Kodak Enlarging Outfit, including camera, lens, easel, cord and lamp house								25.22
14	Exposure Meter, Harvey's								2.50
18	Exposure Meter, Wynne's, with standard tints and sensitive paper, for calculating exposures by means of scales:								
	a Hunter Meter								3.00
	b Negative Meter, in F. or U. S. systems								3.00
	c Snapshot Meter, in F. or U. S. systems								3.00
55	Portrait Attachments, .75 to 1.50, according to size and camera.								
75	Light Filters, prices on application.								
80	Tripods, Standard:								
	a Standard, 3-sections								3.00
	b Flexo, 2-sections, for cameras 4x5 and smaller								1.25
	c Kodak Metal, 3-sections								3.50
	d Kodak Metal, 4-sections								4.75
	e Sliding, 2-sections, 5x7 and smaller								2.50
	f Combination, 3-sections, for 6½x8½ and smaller								5.00
	g Crown, 4-inch top								9.25
	h Crown, 6-inch top								9.75
8	Plate Holders, Graphic:								
	Size, inches	3¼x4¼	3¼x5½	4x5	5x7	6½x8½	8x10		
	Each	2.00	2.00	2.00	2.20	2.75	3.00		
2	Plate Holders, Eastman's View:								
	Size inches			5x7	6½x8½	7x11	8x10		
	Each			1.75	1.85	2.00	2.00		
0	Plate Holders, Universal, for Premo, View or Empire State Cameras:								
	Size inches			5x7	6½x8½	8x10	11x14		
	Each			1.75	1.85	2.00	5.00		
8	Focusing Cloth:								
	a Heavy Rubber, 1¼ yds. bound								1.75
	b Silk Finish, 40x48 in., bound								2.00
	c Rubber, Medium, 1 yd.								1.25



M1000



M1554



M1465




M1480



M1570



M1531

 WE CAN SUPPLY EVERYTHING IN THE PHOTOGRAPHIC LINE

324 Lamps, Dark-Room:						
a Kodak Candle Lamp .....						.35
b No. 2 Kodak Lamp						1.00
c Velox and Dark Room Lamp						2.25
d Wratten Safelight Lamp No. 1, including electric lamp, cord and plug						10.00
40 Electric Lamps or Bulbs, Tipless, 110 volts, Edison socket:						
a Ruby, 4, 8 or 16 C. P.						1.10
b Amber, 4, 8 or 16 C. P.						1.30
Ruby and Orange Glass Plates:						
Size inches	4x5	5x7	8x10	10x12		
Each .....	.20	.25	.45	.65		
50 Aprons:						
Length inches		40	46	52		
a Rubber		1.75	1.90	2.10		
b Laboratory		1.75	1.90	2.10		
52 Sleeve Protectors, 14 inch:						
a Rubber, per pair						1.25
b Laboratory, per pair						1.25
4 Gloves, Rubber—pair						
(In ordering state size of glove worn, i.e., 7, 7½, 8, 8½ or 9.)						
6 Finger Tips, Rubber, set of 3 .....						.15
8 Film Tanks, Kodak:						
a Vest Pocket						3.50
b For 2½-inch films or less						5.00
c For 3¼-inch films or less						6.00
d For 5-inch films or less						7.00
e For 7-inch films or less						8.50
5 Plate Tanks, Eastman's, including solution cup, plate cage, loading fixture and adjustable kit:						
Sizes inches	4x5	5x7	8x10			
Each	4.00	6.00	12.00			
Developing and Printing Outfit, Eastman's, 3A, complete						
						1.65
Enameled Trays, Photographic:						
Size inches	4x5	5x7	8x10	10x12	11x14	14x17
Each .....	.65	1.00	1.75	2.40	3.75	5.50
5 Hard Rubber Trays, Photographic:						
Sizes inches	4x5	5x7	8x10	10x12		
Each .....	.75	.90	1.80	2.65		
5 Hard Rubber Fixing Boxes:						
Sizes inches	4x5	5x7	8x10	11x14		
Each	3.50	4.50	6.50	13.75		
5 Hard Rubber Developing and Fixing Boxes:						
No. 2 for 4¼x6½ and 5x7 in. films or plates						5.00
No. 3 for 4¼x6½, 5x7, 6½x8½ or 8x10 in. films or plates						8.00
5 Negative Washers, R. O. C.:						
4x5 for 25 plates						6.00
5x7 for 25 plates						8.00
8x10 for 30 plates						10.00
3 Fixing and Washing Box, Wooden, finished in black acid and alkali-proof paint:						
a Size 5x7 inches, 50 grooves						10.00
b Size 8x10 inches, for 17 negatives						12.00
c Size 10x12 inches, for 17 negatives						12.00
d Size 11x14 inches, for 12 negatives						12.00
5 Graduates, Glass, engraved:						
Capacity ounces	1	2	4	8	16	32
Each .....	.35	.35	.40	.55	.85	1.65
1 Negative Racks:						
a Premo, for 12 .....						.35
b Premo, for 24 .....						.45
c R. O. C.						1.00
d Century						2.00
5 Film Clips, Eastman's Developing:						
3½-inch, pair .....						.30
5-inch pair .....						.50
8 Kodak Amateur Printer, adjustable to any size up to 4x5½ in., including electric light, cord and socket						
						10.00
4 Print Rollers:						
a Kodak, double, 6-inch						1.00
b Eastman, single						4.75
c Eastman, double						5.25

M1570 Trimming Boards, with steel blade and rule, Kodak:							
Size inches					5x5	5x7	
Each					.65	.85	
M1572 Trimming Boards, Standard, with steel cutting blade and rule, of accurate and substantial construction:							
Blade, inches	6	8	10	12	15	18	
Each	2.00	3.00	4.00	6.00	12.00	20.00	
M1585 Blotting Paper, 19x24 inches, per doz.							
M1620 Gum Paper, in rolls of 300 yds., 1/2 inch, in black or white, per roll							
M1635 Dry Mounting Tissue:							
a Per Package of 3 doz., any size from 1 1/2x2 1/4 to 3 1/4x4 1/4 in.							
b Per package of 2 doz., any size from 3 1/4x5 1/2 to 4x5 in.							
c Per package of 1 doz., any size from 4x6 to 5 1/2x7 1/4 in.							
d Per package of 1 doz., any size from 6x8 to 10x12						.15	.20 and
M1658 Condensing Lenses:							
Diam. inches	6 1/2	8	9	10	12	14	
Focus inches	10	12	14	15	18	21	
Unmounted each	6.75	13.50	16.50	22.00	40.00	55.00	
Pair mounted	20.50	35.00	42.00	54.00	92.00	123.00	
M1740 Lantern Slide Mats, 100 to pkg.							
M1750 Lantern Slide Cover Glasses, 3 1/4x4 inches:					Doz.	Gross	
a Regular					.36	3.60	
b Superfine					.60	5.00	
M1755 Lantern Slide Box, wooden, cloth covered, with hinged cover and cardboard partitions:							
a For 50 Slides							
b For 100 Slides							
M1760 Binding Strip, Paper, gummed, for lantern slides, 50 to pkg.							
M1800 Ground Glass Plates for screens:							
Sizes inches	4x5	5x7	6 1/2x8 1/2	8x10	11x14	14x17	18x22
Each	.25	.30	.45	.55	1.00	2.50	4.00
M1812 Opal Glass Plates:							
Sizes inches	7x7	8x10	10x10	10x12	11x14	14x17	16x20
Each	.75	1.00	1.25	1.50	2.00	3.00	4.00
M1820 Ferrottype Plates:							
10x14 Light							
10x14 Heavy							
14x20 Heavy							
18x24 Heavy							
M1975 Scales, Photo, Eastman's							
M4000 Publications on Photography:							
a "How to Make Good Pictures"							
b "Wratten Light Filters"							
c "Photomicrography"							
d "Fundamentals of Photography"							
Photographic Papers, prices on application.							
Films and Plates, prices on application.							
Photographic Chemicals.							
Acid Hardener, pkg.							
Intensifier, 8 oz.							
Acid Fixing Powder, lb.							
"Hypo" granular, lb.							
"Hypo" crystals, lb.							
Hydrochinon, oz. .34, lb.							
Hydrochinon Developer Powder, doz.							
Pyro, crystals, oz. .35, lb.							
Pyro Developer Powder, doz.							
Tank Developer Powders:							
For Brownies, 6 powders							
For 2 1/2x3 1/2 in. film, or 4x5 in. plate tanks, 6 powders							
For 5x7 in. tank, 6 powders							
For 5x7 in. plate tank, 6 powders							
For 8 x 10 in. plate tank, 6 powders.							
M5000 Glass Plates, as used by photographers:							
Size inches	4x5	5x7	6 1/2x8 1/2	8x10	11x14		
a Ground Glass, Fine	.15	.20	.40	.50	1.50		
b Ground Glass, Ordinary	.12	.15	.25	.35	.75		
c Opal	.60	1.00	1.25	1.50	2.00		
d Ruby	.25	.35	.50	.60	1.25		
e Orange	.25	.35	.50	.60	1.25		

MICROSCOPES, ACCESSORIES AND BIOLOGICAL SUPPLIES

SECTION R

- | EYEPieces, Huyghenian, as used on B. & L. Compound Microscopes: | | | | | | | | | |
|---|------|-----------|------|-------|-------|-------|-------|-------|--------|
| Magnifying Power, times | 5x | 6.4x | 7.5x | 10x | 12.5x | | | | |
| Focal Distance mm | 50 | 40 | 33 | 25 | 20 | | | | |
| Each | 2.50 | 2.50 | 2.50 | 2.50 | 2.50 | | | | |
| Achromatic Objectives, as used on the B. & L. Compound Microscopes: | | | | | | | | | |
| Focal Distance mm | 48 | 32 | 16 | 8 | 4L | 4S | 3 | 1.9 | 1.9 |
| Working Distance mm | 53 | 38 | 7.0 | 1.6 | 0.6 | 0.3 | 0.2 | 0.15 | 0.13 |
| Numerical Aperture | 0.08 | 0.10 | 0.25 | 0.50 | 0.65 | 0.85 | 0.85 | 1.30 | 1.32 |
| Each | 6.50 | 6.50 | 8.50 | 13.00 | 13.00 | 13.00 | 13.00 | 42.00 | 78.00 |
| Table of Magnifying Power obtained with the B. & L. Objectives and Eyepieces, calculated for a standard tube length of 160 mm: | | | | | | | | | |
| Objectives | | Eyepieces | | | | | | | |
| Focal Distance | 5x | 6.4x | 7.5x | 10x | 12.5x | | | | |
| 43 mm | 10x | 13x | 15x | 20x | 25x | | | | |
| 32 mm | 20x | 26x | 30x | 40x | 50x | | | | |
| 16 mm | 50x | 64x | 75x | 100x | 125x | | | | |
| 8 mm | 100x | 130x | 150x | 200x | 260x | | | | |
| 4 mm | 215x | 275x | 320x | 430x | 560x | | | | |
| 3 mm | 285x | 365x | 420x | 570x | 740x | | | | |
| 1.9 mm | 475x | 610x | 720x | 950x | 1260x | | | | |
| Revolving Nosepieces, Circular Form, for holding objectives: | | | | | | | | | |
| For two objectives | | | | | | | | | 6.50 |
| For three objectives | | | | | | | | | 9.00 |
| Condensers, Substage, Abbe's, designed to transmit sufficient light through the objective to completely fill the aperture: | | | | | | | | | |
| Abbe Condenser, 1.20 N. A., 12 mm focus | | | | | | | | | 12.00 |
| Abbe Condenser, 1.20 N. A., 8.7 mm focus | | | | | | | | | 14.50 |
| Aplanatic Condenser, 1.20 N. A., 12 mm focus | | | | | | | | | 36.00 |
| Iris Diaphragm, for use with Aplanatic Condenser R54 | | | | | | | | | 6.50 |
| Dark-Ground Illuminator, with iris diaphragm | | | | | | | | | 21.50 |
| Hand-Feed Arc Lamp, on support, with bulls-eye condenser, special | | | | | | | | | 22.50 |
| Rheostat, 110 volts | | | | | | | | | 8.75 |
| Uranium Glass Plate, for use in centering the Dark-Ground Illuminator R60 | | | | | | | | | 2.50 |
| Microscope A, B. & L., with coarse adjustment only, with objective of 16 and 32 magnification, and one eye-piece 7.5x, complete in wooden case | | | | | | | | | 31.50 |
| Microscope F, B. & L., with both coarse and fine adjustments, in wooden case. Each equipment includes two objectives of 16 mm and 4 mm focus: | | | | | | | | | |
| F1 With 7.5x eyepiece | | | | | | | | | 54.00 |
| F2 The same as above, including double nosepiece | | | | | | | | | 60.50 |
| F3 With two eyepieces of 5x and 10x | | | | | | | | | 56.50 |
| F4 The same as above, including double nosepiece | | | | | | | | | 63.00 |
| F6 The same as above, but including an Abbe Condenser 1.20 N. A. | | | | | | | | | 76.00 |
| Microscope FF, B. & L., with fine and coarse adjustments, also substage attachment for condenser, including wooden case. Equipped with two objectives of 16 mm and 4 mm focus, two eyepieces of 5x and 10x, and Abbe Condenser of 1.20 N. A.: | | | | | | | | | |
| FF6 With double nosepiece | | | | | | | | | 84.00 |
| FF8 With additional objective of 1.9 mm focus, including triple nosepiece | | | | | | | | | 128.50 |
| Microscope FS, B. & L., with side adjustments for both fine and coarse focusing. Includes two objectives of 16 mm and 4 mm focus, with hardwood case. To the stage is attached an iris diaphragm: | | | | | | | | | |
| FS1 With eyepiece 7.5x | | | | | | | | | 57.50 |
| FS2 The same, with double nosepiece | | | | | | | | | 64.00 |
| FS3 With two eyepieces 5x and 10x | | | | | | | | | 60.00 |
| FS4 The same, with double nosepiece | | | | | | | | | 66.50 |
| FS6 The same, with addition of Abbe Condenser 1.20 N. A. | | | | | | | | | 79.50 |
| Microscope FFS, B. & L., with side adjustments for both fine and coarse focusing, swing-out substage for condenser; two objectives of 16 mm and 4 mm focus; two eyepieces of 5x and 10x; Abbe Condenser of 1.20 N. A.; in wooden case: | | | | | | | | | |
| FFS6 With double nosepiece | | | | | | | | | 87.50 |
| FFS8 With additional objective of 1.9 mm focus, and triple nosepiece | | | | | | | | | 132.00 |
| Binocular Microscope KA, B. & L., with paired objectives and eyepieces giving great depth of focus and long working distance; including wooden case: | | | | | | | | | |
| KA1 With one set of paired objectives 40 mm focus, and eyepieces 10x | | | | | | | | | 108.00 |
| KA3 With one set of paired objectives of 48 mm and 32 mm focus, and eyepieces of 6.4x and 10x | | | | | | | | | 133.00 |
| Chemical Microscope M, B. & L., with circular revolving stage, graduated in degrees; substage polarizer; analyzer eyepiece, in wooden case. Includes two objectives of 16 mm and 8 mm focus, and two eyepieces with cross-hairs 10x and 12.5x | | | | | | | | | 140.00 |
| Mechanical Stage, Model B, the verniers adjusted by rack and pinion | | | | | | | | | 27.50 |
| Camera Lucida, Model A, designed for attaching to eyepiece of microscope | | | | | | | | | 14.50 |
| Bulls-Eye Condenser, on adjustable support, for obtaining parallel rays: | | | | | | | | | |
| a 38 mm diam. | | | | | | | | | 5.75 |
| b 56 mm diam. | | | | | | | | | 7.25 |
| c 75 mm diam. | | | | | | | | | 1.50 |



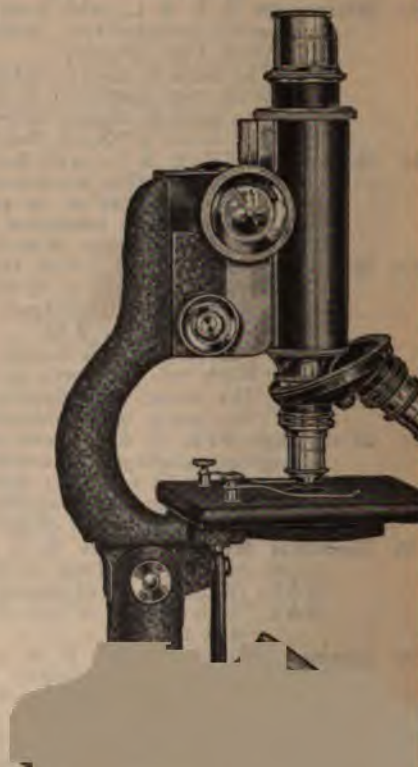
R100



R130



R140



R150



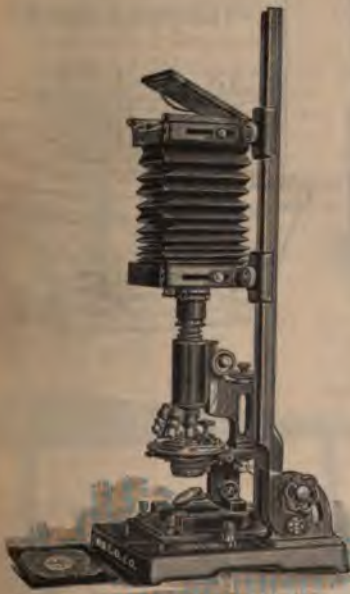
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R170



R380



R450



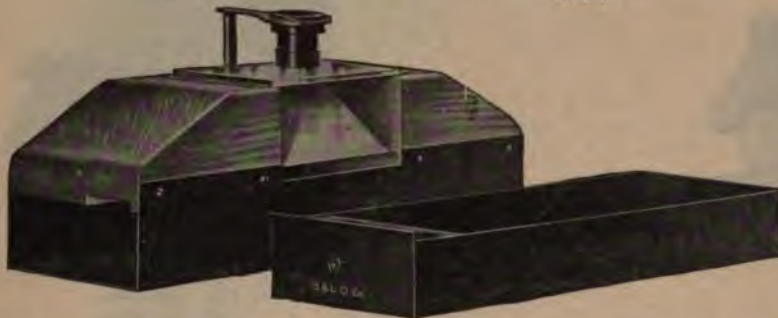
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R360



R400



R500



R510



R625



R632



R630



R640



R600

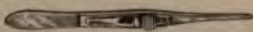


R645

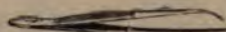
1	Gage Illuminator, with 100-watt Mazda lamp, with optical glass filter giving same effect as day-light	14.50
2	Substage Lamp, Electric, with Mazda lamp of 15 watts for 110-115 volts D. C. or A. C., with cord and plug	6.00
	a The same, with Optical Glass Filter producing effect of day-light	7.00
3	Illuminator for Microscopes, Silverman's (Patented), consisting of a circular source of light surrounding the objective, which gives a uniform illumination over the field. Especially adapted for the examination of opaque objects, and for photomicrography. Applicable to any standard microscope. Complete, including: 1 illuminator holder, 2 lamps, 1 rheostat, with switch and key, and flexible cord. For 104-124 volts.....	50.00
4	Illuminator, Electric, for Microscopes, giving direct or deflected light, including 15-watt gas-filled lamp, 110 volts. Can be fitted permanently to table top by boring a hole $2\frac{1}{8}$ in. diam., thus giving direct light under the stage of the microscope	7.50
5	Micro-Projection Drawing Equipment, on wooden base, for holding standard microscope, including 6-volt, 24-watt gas-filled Mazda projection lamp fitted with condensing lens and transformer for 110 volts, A. C.....	45.00
6	Micrometer Discs, of glass, 21.3 mm diam., ruled. Designed to fit the standard eyepieces:	
	a Ruled 5 mm by 0.1 mm.....	2.25
	b Ruled 5 mm by 0.05 mm.....	2.50
	c Ruled 10 mm in 0.1 mm.....	3.25
	d Ruled 0.5 mm squares.....	3.25
	e Ruled 1.0 mm squares.....	3.00
7	Micrometer Eyepiece, 7.5x, with scale divided into tenths of a millimeter:	
	a With movable scale	13.25
	b With fixed scale	8.00
8	Filar Micrometer, reading to 0.01 mm, and by estimation will read to 0.001 mm.....	42.00
9	Stage Micrometers, size 25x75 mm, in case:	
	a Glass, ruled 0.1 and 0.01 mm.....	5.00
	b Glass, ruled 0.01 and 0.001 inches.....	3.50
	c Metal, ruled 0.1 and 0.01 mm.....	14.50
10	Photomicrographic Camera, Model H, B. & L., heavy metal base and optical bed, graduated to 60 cm, including bellows and ground glass screen. For photographic plates 4x5 inches	75.00
	a Automatic Shutter, for use with above.....	17.50
11	Barnes' Dissecting Microscopes, wooden base with metal drawer for holding accessories:	
	T1 With doublet lens of 25 mm focus.....	5.50
	T2 With two doublet lenses of 38 mm and 19 mm focus	7.25
	T3 With Coddington lens of 25 mm focus	6.75
	T4 With two Coddington lenses of 38 mm and 19 mm focus.....	9.75
12	Dissecting Microscopes, B. & L., metal base, with lens equipment, in wooden case:	
	U1 With doublet lens of 25 mm focus.....	14.50
	U2 With two doublet lenses of 38 mm and 19 mm focus	16.25
	U3 With Coddington lens of 25 mm focus	15.75
	U4 With two Coddington lenses of 38 mm and 19 mm focus.....	18.75
13	Metal Hand Rests, pair	1.25
14	Dissecting Microscopes, metal base, with rack and pinion focusing adjustment, side hand rests and wooden case:	
	W1 With doublet lens of 25 mm focus.....	16.25
	W2 With two doublet lenses of 38 mm and 19 mm focus	18.00
	W3 With Coddington lens of 25 mm focus	17.50
	W4 With two Coddington lenses of 38 mm and 19 mm focus.....	20.50
15	Binocular Dissecting Microscope, B. & L., with track for lateral movement:	
	RKT1 With one set of paired objectives of 40 mm focus, and 10x eyepieces.....	133.00
16	Binocular Magnifier, giving stereoscopic view of objects, with head-band and eye-shields. When ordering specify the pupillary distance of the eyes desired, also the magnifying power:	
	a 31.3 cm focus, 0.75x magnification.....	28.00
	b 25 cm focus, 1x magnification.....	28.00
	c 12.5 cm focus, 2x magnification.....	28.00
	d 10 cm focus, 2.5x magnification.....	28.00
	e 8.3 cm focus, 3x magnification.....	28.00
17	Doublet Magnifying Lenses, composed of two plano-convex lenses, in folding metal case:	
	a 14x power, $\frac{3}{8}$ -inch focus.....	2.00
	b 12x power, $\frac{3}{8}$ -inch focus.....	2.00
18	Coddington Magnifiers, consisting of a glass cylinder with convex ends, grooved at center to serve as diaphragm. There are no cemented parts, hence there is good definition. In folding metal mount:	
	a 7x power, $1\frac{1}{2}$ -inch focus.....	3.25
	b 10x power, 1 -inch focus.....	3.25
	c 14x power, $\frac{3}{4}$ -inch focus.....	3.25
	d 20x power, $\frac{1}{2}$ -inch focus.....	3.25



R651



R652



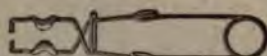
R653



R672



R673b



R675



R676



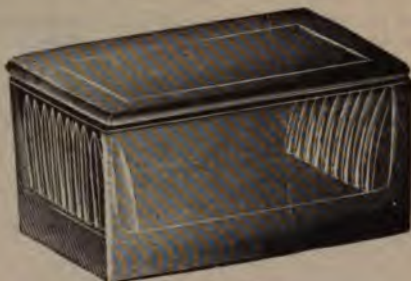
R671



R687a



R687b



R695



R692



R690



R705



R700



R715

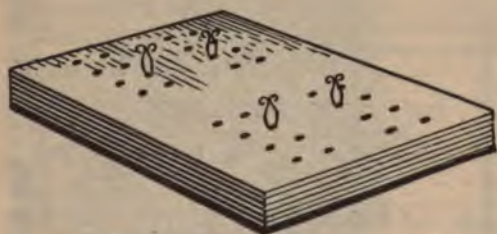
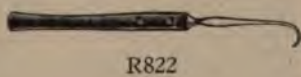
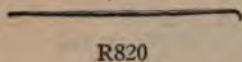
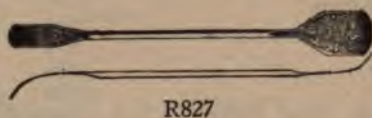
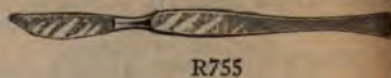
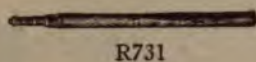
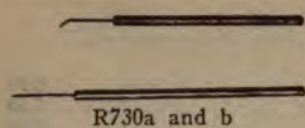


R725



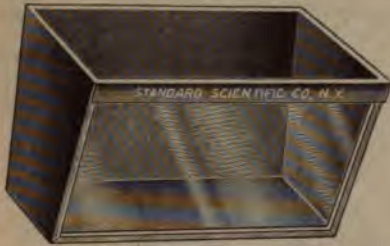
R710

Triple Aplanats, consisting of two meniscus lenses and one double convex lens, of flint and crown glasses, giving chromatic correction, flat sharp field, free from astigmatism or distortion:				
a	7.5x power, 1 $\frac{1}{4}$ -inch focus.....			6.50
b	10x power, 1 -inch focus.....			6.50
c	15x power, $\frac{3}{4}$ -inch focus.....			6.50
d	20x power, $\frac{1}{2}$ -inch focus.....			6.50
Hastings Aplanatic Triplet Magnifier, of excellent quality, corrected for chromatic aberration, astigmatism and distortion, and possessing an unusual wide angle and long working distance:				
a	7x power, 1 $\frac{1}{4}$ -inch focus.....			9.00
b	10x power, 1 -inch focus.....			9.00
c	14x power, $\frac{3}{4}$ -inch focus.....			9.00
d	20x power, $\frac{1}{2}$ -inch focus.....			9.00
Turn Table, B. & L., for "ringing" microscopic mounts and making cells. Smooth bearings.....				
				7.00
Paraffin Imbedding Box, dissectible, including two right angle metal plates with base. Objects of different size may be imbedded by adjusting the position of the two plates:				
	Height mm.....	10	20	30
	Each.....	1.00	1.10	1.25
Paraffin Bath, copper, 7 in. long by 3 $\frac{1}{4}$ in. wide, and 3 $\frac{1}{2}$ in. deep, with extra sheet iron bottom and base 5 inches high. Includes two nickel-plated cups 2 $\frac{1}{8}$ in. diam.....				
				14.00
Paraffin Bath, Miller's, copper, 8x4 inches, by 4 inches deep, with extra sheet iron bottom and iron base 5 in. high. Includes two nickel-plated cups 2 $\frac{1}{8}$ in. diam., and two drawers for holding slides.....				
				23.00
Arnold Steam Sterilizers, simple form for general use in laboratories. Maintains an unvarying temperature of 100° C. in all parts of the sterilizing chamber. Made of heavy tin with copper bottom:				
	Height inches.....	7 $\frac{1}{2}$	10 $\frac{1}{2}$	11 $\frac{3}{4}$
	Diam. inches.....	8 $\frac{1}{2}$	9	10 $\frac{1}{2}$
a	Tin with Copper Bottom.....	7.00	8.00	10.00
b	Copper.....	16.00	22.00	25.00
Arnold Steam Sterilizers, Side Door Pattern. The same general design as R640, except as to the side door:				
	Height inches.....	7 $\frac{1}{2}$	10 $\frac{1}{2}$	11 $\frac{3}{4}$
	Diam. inches.....	8 $\frac{1}{2}$	9	10 $\frac{1}{2}$
a	Tin with Copper Bottom.....	9.00	10.00	11.00
b	Copper.....	18.00	23.50	27.50
Warming Tables, copper for mounting and drying objects:				
a	Rectangular, 14x4 inches.....			2.25
b	Triangular, 16 $\frac{1}{2}$ in. long, tapering from 8 in.			4.75
Forceps, Cover-Glass, with flattened tips, bent at angle, nickel-plated steel.....				
				1.25
Forceps, Cover-Glass, Novy's, with Locking Device.....				
				1.50
Forceps, Cover-Glass, Novy's, with thin flat lower blade for picking up the cover-glasses, and curved upper blade drawn to point making small contact. Made of nickel-plated steel.....				
				.90
Cover-Glasses, Square, packed one-half ounce in a box:				
	Size mm.....	18	22	25
	No. 1 (0.13-0.17 mm thick).....	1.25	1.25	1.25
	No. 2 (0.17-0.25 mm thick).....	1.10	1.10	1.10
	No. 3 (0.25-0.50 mm thick).....	1.00	1.00	1.00
Cover-Glasses, Round, packed one-half ounce in a box:				
	Diam. mm.....	18	22	25
	No. 1 (0.13-0.17 mm thick).....	1.25	1.25	1.25
	No. 2 (0.17-0.25 mm thick).....	1.10	1.10	1.10
	No. 3 (0.25-0.50 mm thick).....	1.00	1.00	1.00
Forceps, Cover-Glass, Stewart's, nickel-plated steel wire, self-closing.....				
				.25
Forceps, Cover-Glass, Cornet's, made of one-piece spring brass, nickel-plated, self-closing.....				
				.60
Forceps, Cover-Glass, Kaltyer's, nickeled brass wire, designed so that cover-glass is immersed in staining solution while the forceps rest upon table top.....				
				.75
Forceps, Cover-Glass, nickel-plated steel, corrugated handle:				
a	With bent tips.....			1.25
b	With straight tips.....			1.00
Forceps, Cover-Glass, Self-Closing, with spring; the ends of blades being slightly bent..				
				1.25
Forceps, Combined, for Cover-Glasses or Slides, nickel-plated brass.....				
				1.00
Forceps, for Microscopic Mounts or Slides, Kirkbride's, nickel-plated brass wire, for use in staining or drying microscopic slides.....				
				.15
Object Slides, ground edges:				
	Size mm.....	25x75	26x45	38x75
	Dozen.....	.20	.25	.30
	Object Slide, for Moulds, with glass ring and ground-in side tubes, on slide 1x3 inches. Cell 17 mm diam., 12 mm deep, each.....			1.50
	Object Slides, Concave Center, 1x3 inches, doz.			1.00
	Object Slide, with Cavity 16 mm diam., for culture work, 1x3 inches, doz.....			1.50
Staining Jars, with Cover, accommodating 10 standard microscope slides 3x1 inches:				
a	Coplin's, Tall Form.....			.50
b	Flat or Horizontal Form.....			.50



R688	Labels, Microscopic Slide, 100 in a box:						
	a Square, 22 mm						.10
	b Rectangular, 15x22 mm						.10
	c Oval, 14x20 mm						.10
	d Round, 16 mm diam.						.10
R690	Slide Boxes, wooden, with cover:						
	Capacity, Slides	12	25	25	25		
	Size of Slides mm	25x75	25x44	50x75	25x75		
	Each	.15	.25	.35	.20		
R692	Slide Box, Double Row, with hinged cover, for 100 slides 1x3 inches.						1.00
R694	Slide Case for Mailing, for one slide 1x3 in., doz.						1.50
R695	Slide Cabinet, Dr. Minot's, of metal, contains 30 metal trays each holding 24 microscopic slides 1x3 in., provided with lock and key. Capacity 720 slides						50.00
R700	Dissecting Instruments, Student's Set, in folding leatherette case, containing: Scalpel, scissors, forceps and 2 needle holders.						1.75
R705	Dissecting Instruments, Student's Set, in folding leatherette case, better quality than R700. Includes: Scalpel, scissors, forceps and 2 needle holders.						2.75
R710	Dissecting Instruments, in Folding Case, including: 3 scalpels, 1 hooked needle, 1 scissors, 1 forceps, and hooks:						
	a Ebony handles as illustrated						5.00
	b Metal handles						6.00
R715	Dissecting Instruments, in Folding Case, including: 3 scalpels, 2 forceps, hook needle, chain, blowpipe, 2 needle holders, 2 scissors						8.00
R725	Dissecting Needles, high grade steel, with ebony handle, polished, sharp:						
	a Curved						.50
	b Pear Shape End						.50
	c Spear Shape, double cutting edges						.55
	d With Hook End						.60
R730	Dissecting Needles, wooden handle, for elementary work:						
	a Straight, each						.06
	b Bent, each						.07
R731	Needle Holder, Bone Handle, adjustable clamp for holding needles of different size and length:						
	a Length 85 mm, each						.20
	b Length 110 mm, each						.25
	c Needles, Steel, for use with above, from 1½ to 2 inches long, per doz.						.25
R735	Hooks and Chains, Triple, nickel-plated						.50
	Scalpels, Ebony Handle, steel blades, usual form:						
	Cutting edge mm	18	24	32	38	45	50
R750	Regular Quality	.45	.50	.55	.60	.65	.75
R751	Extra Quality	1.00	1.05	1.10	1.15	1.20	1.25
	Scalpels, Steel Blades and Handles, easily cleaned and sterilized:						
	Cutting edge mm	25	32	38	45		
R755	Regular Quality	.75	.80	.85	.90		
R756	Extra Quality	1.00	1.05	1.10	1.20		
R760	Knife, Brain						5.00
R761	Knife, Cartilage, Steel Blade:						
	a Steel Handle, nickel-plated						1.00
	b Ebony Handle, extra thick and heavy						3.00
R762	Knife, Dissecting, with long sharp blade						4.00
R770	Forceps, Steel, sharp points, about 5 in. long						.15
R772	Forceps, Dissecting, fine points, about 95 mm long, ordinary quality						.30
R780	Forceps, Dissecting, steel, nickel-plated, corrugated at tips and on handle:						
	a Fine, Straight, 115 mm long						.60
	b Fine, Curved, 110 mm long						.60
	c Medium, Straight, 115 mm long						.70
	d Medium, Curved, 110 mm long						.70
	e Heavy, Straight, 115 mm long						.75
	f Heavy, Straight, 130 mm long						.75
	g Heavy, Straight, 145 mm long						.90
R785	Forceps, Dissecting, Curved, fine points, corrugated						.60
R788	Forceps, Bone-Cutting:						
	a With Short Handle						1.50
	b With Long Handle, 200 mm						5.00
	c With Long Handle, 225 mm						6.00
R790	Bone Saw, steel, nickel-plated						4.00
R790	Scissors, Dissecting, steel, ordinary quality						.50
R792	Scissors, Dissecting, steel, plain:						
	a Fine, Straight						1.25
	b Fine, Curved						1.25
	c Fine, Bent						1.50
	d Medium, Straight						1.40
	e Heavy, Straight						1.50

R795	Scissors, Dissecting, Steel, with Lock Joint, for quickly cleaning or sterilizing the blades:				
	a Fine, Straight				1.75
	b Fine, Curved				1.75
	c Fine, Bent				1.75
	d Heavy, Blunt Ends				1.50
R810	Blowpipes, for Inflation, nickel-plated:				
	a Straight				.30
	b Curved				.40
R812	Bristles, as used for "seekers," pkg.				.10
R820	Seekers, Steel, one end curved, the other being straight and blunt				.50
R822	Tenaculum, Steel, with sharp hook and ebony handle				.50
R825	Section Lifters, thin spring blade, with ebony handle:				
	Width of blade mm.	6	10	20	35
	Each	.60	.70	.75	.80
R827	Section Lifters, All Metal, easily sterilized:				
	a Double, 11 and 22 mm blades				.60
	b Double, 5 and 22 mm blades				.50
	c Single, 18 mm blade				.50
R835	Razors, Section Cutting, folding with flat and concave sides:				
	a Best quality				3.00
	b Second quality				2.50
R837	Pith, sticks, for use in cutting sections, pkg.				.10
R838	Microtome, Physician's, B. & L., simple construction, cutting in steps of 5 microns. Holds objects 30x22 mm				27.50
	a Knife, for use with above				8.00
R839	Microtome, Student's Laboratory, B. & L., cutting to 5 microns, taking objects 30x22 mm, in wooden case				35.00
	a Knife, for use with above				9.50
R841	Microtome, Automatic Rotary, Minot's, B. & L., cutting to 2.5 microns, in wooden case. A high grade accurate instrument				82.50
	a Knife for above				9.00
	b Object Clamp				6.00
R845	Hones, fine grain, for razors, scalpels, etc., in wooden block:				
	Size mm	65x125	30x150	40x180	45x210 50x260
	Each	1.25	1.50	1.75	2.00 2.50
R847	Strop, Leather, mounted on block:				
	a Fine grain				3.00
	b Coarse grain				3.00
R848	Strop, leather and canvas				3.00
	Insect Pins, long sharp steel points, with round head, either black or white:				
R850	White head, per 100				.50
R851	Black head, per 100				.50
R860	Vasculum, or Collecting Case, enameled metal, with hinged cover and shoulder strap				3.75
R862	Paper, Spore, black, per quire				1.50
R865	Specie Covers, Manila:				
	a Size 11x17 in., quire				.60
	b Size 16½x24 in., quire				.80
R866	Gummed Paper, 17x22 inches:				
	a Regular quality, quire				1.50
	b Best quality, quire				3.00
R867	Gummed Transparent Paper:				
	a In sheets, quire				.75
	b On spools, each				.15
R868	Paraffined Paper, 12x18 in., quire				.60
R870	Plant Press, portable form, with six driers and tightening straps				5.25
R871	Plant Press, Swedish Form, metal, for corrugated sheets 12x18 in., with carrying handle				5.00
R872	Plant Press, heavy construction, with quick-set adjusting screws				6.00
R875	Portfolio, 12x18 in., heavy board with canvas back				2.25
R876	Drying Paper, 12x18 in.:				
	a Soft felt texture, medium weight, quire				.75
	b Soft absorbent felt, heavy weight, quire				1.00
	c Blotting, white, quire				.60
	d Newspaper stock, quire				.25
	e Corrugated, for air circulation, quire				1.50
R878	Genus Covers, heavy substantial stock:				
	a Manila, 12x18 in. folded, quire				.80
	b Oak tag, best quality, 16½x24 in., unfolded, quire				1.00
R879	Mounting Paper:				
	a White, heavy linen lerged quality, 11½x16¾ in., quire				.60
	b White, extra heavy linen ledger quality, 11½x16½ in., quire				.75
	c White, light weight, of good quality, 11x16¾ in., quire				.40



R1100



R1105



R1170



R1115



R1175



R1300



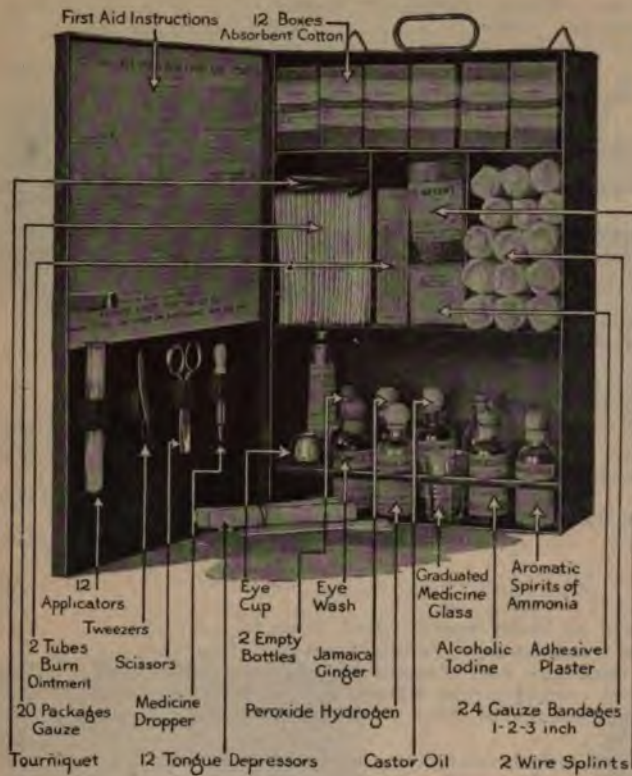
R1150



R1200

R1310	Auxanometer, Simple Form, adjustable for different speeds, on stand	15.00
R1315	Ink, for use with Recording Instruments, per bottle .....	.75
R1320	Carbon Dioxide Apparatus, Detmer's, for showing that green plants produce oxygen only when carbon dioxide is present.	1.50
R1345	Clinostat, 8-Day Movement, Improved, of exceptional efficiency and quality. Adjustable for different positions	40.00
R1350	Clinostat, 8-Day Movement, for vertical or horizontal use	20.00
R1360	Frame for Geotropism, to be attached to Clinostat	4.00
R1365	Cork Disc, 3-in. diam., for use with Clinostat .....	.50
R1368	Pot, 3-in. diam., for use with Clinostat .....	.30
R1372	Chamber, Geotropic, reversible, for suspension	3.00
R1390	Wardian Case, glass sides and cover, with metal tray for soil or water	40.00
R1500	Flower Pots, clay:	
	Diam. inches	4 6 8
	Each .....	.15 .25 .40
R1520	Paper Flower Pot, waterproof, for seed germination and plant growth:	
	Diam. inches	3 4 5 6
	Each .....	.05 .06 .07 .08
R2110	First Aid Case, Household, in cardboard carton, containing the materials applicable to ordinary accidents	4.00
R2115	First Aid Set, Automobile, in metal case	3.50
R2120	First Aid Cabinet, in metal case 19½x13x3½ in.:	
	a Set No. 1, with manual	15.00
	b Set No. 2, complies with New York State law, also approved by Industrial Commission	16.00
R2125	Manual for First Aid:	
	a Paper cover .....	.40
	b Cloth cover .....	.75
R2130	First Aid Chart, 27x44 inches, in colors, on heavy board, which folds for carrying....	4.00
R2135	First Aid Kit, No. 1, small, compact and inexpensive, including: Cotton, iodine, gauze, adhesive plaster, scissors, tweezers, bandages, etc., complete in enameled metal case..	7.50
R2136	First Aid Cabinet, No. 2, larger and more complete than R2135. In metal case, enameled inside and out. Complies with requirements of New York State, as well as many accident and insurance companies	15.00
R2140	First Aid Packet. The contents are in individual containers, keeping everything clean, sanitary and free from confusion. The iodine and spirits of ammonia are in glass ampoules, holding sufficient quantity for one treatment. Instructions on each container. Size 9¾x3½x4½ in.	15.00
R2225	Stretcher, U. S. Army Model, brown duck, with four iron legs and two straps. Size 7 ft. 6 in. x 22 in. Weight 22 lbs.	20.00
R2275	Signs, Metal, in colors which compel attention:	
	a Safety First .....	.75
	b Warning	1.00
	c Danger	1.00
	d No Admittance .....	.75
	e Exit .....	.75
	f This Way Out .....	.75
	g To the Fire Escape .....	.75
	h No Smoking .....	.75
R2300	Gas Mask, Industrial, useful when working in presence of gas, dust, smoke, poisonous or noxious fumes, such as: Ammonia, chlorine, sulphur dioxide, hydrogen sulphide, etc. Light weight, can be put on in few seconds and worn conveniently for hours.	25.00
R2325	Goggles, for protecting the eyes:	
	a Air Tight	1.50
	b Non-Air Tight	1.00
	c Eye-Protectors, wire gauze .....	.50
	f Goggles, heavy glass lens, plain or colored, with wire gauze shield	1.50
R2350	Aprons, Asbestos, with strap for neck and body, 24 inches wide:	
	Length inches	30 36 42 48
	Each	6.00 6.50 7.50 8.00
R2375	Asbestos Gloves, Lined, with 5 fingers:	
	Length inches	11 14 23
	Each	3.75 4.50 7.00
R2400	Asbestos Mittens, lined, with thumb:	
	Length inches	11 14 23
	Each	3.50 4.50 6.00
R2425	Fire Siren, a powerful alarm, more penetrating than the sound of a gong or bell. The motor operates on 110 volts, A. C. or D. C.	48.00
R2430	Fire Bell, Pull, easily mounted on wall and operated by pull of cord. Size 11 inch.	35.00
	Anatomical and Physiological Charts: American Frohse Life-Size Series, seven plates, each size 42x66 inches. These New American Frohse Charts consist of seven large plates, comprising seventeen charts. They are lithographed in oil colors, natural colors being slightly accentuated to improve contrast. Durably backed with muslin. The charts have been carefully edited, revised and augmented by Max Brodel, Prof. of Medical Drawing, Johns-Hopkins Medical School. His extensive work represents a noteworthy achievement in anatomical illustration and enables us to present a set of anatomical charts that will fit the needs of the modern school. The charts are char-	

(Continued)



R2136



Frohse Life Size Charts, Plate 2, Muscles (page 151-2)

No. 1428
(see page 32)

R2135

Arnold's Physiology Chart No. 5, Showing
Organs of Digestion and Assimilation
(page 152)

(Continued)

acterized by scientific accuracy, completeness of detail, and unusual artistic merit. Owing to the skillful use of colors and the large size of the figures, details stand out with exceptional clearness and can easily be seen by all pupils in the ordinary school-room or hall.

No educator who plans to try equipment for a course in physiology, or needs additional visual material, can afford to overlook this splendid set of charts.

List of Charts:

Plate No.	Chart No.	Subject
1	1a	Human Skeleton, with ligaments. Front View.
	1b	Human Skeleton, with ligaments. Back View.
2	2a	The Muscles. Front View.
	2b	The Muscles. Back View.
3	3a	The Nervous System.
	3b	The Circulatory System.
4	4a	Schematic Diagram of Circulation.
	4b	The Heart and Principal Blood Vessels, Four Views, greatly magnified.
	4c	The Skin. Two views, hairy and hairless skin, greatly magnified.
5	5a	The Ear, greatly magnified.
	5b	The Eye, greatly magnified.
6	6a	Viscera of the Chest and Abdomen, First Layer.
	6b	Viscera of the Chest and Abdomen, Second Layer.
	6c	Viscera of the Chest and Abdomen, Third Layer.
	6d	Viscera of the Chest and Abdomen, Fourth Layer.
7	7a	Median Section through Head, greatly magnified.
	7b	The Teeth, greatly magnified.

A key or index to all numbered parts accompanies the complete set or the separate plates, giving the terminology in Latin and English.

Single Plates:

With Mouldings at top and bottom.....	11.00
On Spring Roller and Board, Dust-Proof.....	13.00
In Steel Spring Roller Case.....	14.50

Single Charts from any Plate:

With Mouldings at top and bottom.....	7.00
On Spring Roller and Board, Dust-Proof.....	9.00
In Steel Spring Roller Case.....	10.00

Plates Mounted in Sets:

(Only in Utility Dust-Proof Case)

Complete set of seven plates.....	87.50
Any six plates.....	76.00
Any five plates.....	64.50
Any four plates.....	53.00

PHYSIOLOGICAL AND ANATOMICAL MODELS

Enlarged sizes, painted in colors, and made dissectible. The standard models for class instruction.

R2500	Heart, 14½x8¼x6 inches.....	15.00
R2503	Eye, 7x7½x7 inches.....	12.00
R2505	Ear, 7x4x9½ inches.....	9.00
R2508	Skin, transverse section, magnified 200 times, 1½x12x14 inches.....	7.50
R2510	Teeth, section of lower jaw, 3x13x7¾ inches.....	7.50
R2515	Torso, not dissectible, but showing vertebral column, ribs and pelvic bones; also relative positions of lungs, heart, stomach, liver, kidneys, etc.....	16.00
R2518	Torso, dissectible, in four parts, the visceral, pulmonary and abdominal cavities being laid open to view. 26x12x10 inches.....	36.00
R2520	Skull with Brain, dissectible into four parts, with parts of cranium removed. 6½x16x8½ inches.....	15.00
R2523	Skull and Brain, similar to above, except the brain is dissectible into eight parts.....	20.00
R2525	Muscles of Arm, not dissectible.....	18.00
R2528	Knee, vertical section.....	5.00
R2530	Knee-Joint, movable.....	12.00
R2533	Elbow-Joint, movable.....	9.00
R2540	Shoulder-Joint, ball and socket.....	4.50
R2545	Elbow-Joint, anterior.....	3.00
	Elbow-Joint, lateral.....	3.00
R2548	Wrist-Joint and Hand.....	5.00
R2550	Hip-Joint, Ball and Socket.....	5.00
R2553	Ankle Joints and Foot.....	6.00
R2555	Larynx Phantom, with posterior dissection, showing throat, larynx, etc., 13½x8½x7 inches.....	12.00
R2558	Larynx, anterior view.....	4.00
R2560	Larynx, posterior view.....	4.00
R2563	Larynx, Tongue and Pharynx, 3¾x4¾x8¼ inches.....	4.00
R2565	Tongue, enlarged 10 times, vertical section, showing muscles, arteries and nerves.....	30.00
R2568	Brain, upper portion, 4x9¾ inches.....	6.00
R2570	Brain, lower portion, showing base of cerebral nerves, 3¾x9¾ inches.....	6.00



Arnold's Hygiene Chart, Teeth



Balfour's Botany Chart No. 4 (page 153)

- | | | |
|-------|--|----|
| R2573 | Brain, vertical section along the median line, $3\frac{3}{4} \times 9\frac{3}{4}$ inches | |
| R2575 | Brain, transverse section of head, showing cavities, $3\frac{1}{2} \times 9\frac{3}{4}$ inches | |
| R2578 | Head, with neck, left half, showing muscles, blood vessels, nerves, etc., $5 \times 10 \times 13\frac{1}{2}$ inches | |
| R2580 | Head, with neck, left half, the skull and orbicular cavities, $5 \times 10 \times 13\frac{1}{2}$ inches | |
| R2582 | Head, right half, showing the anatomy of the brain, including cavities of mouth and nose. Dissected along the median line, $2\frac{1}{2} \times 9\frac{1}{2} \times 12$ inches | |
| R2585 | Organs of Respiration, dissectible, showing air-passages, lungs, hearts, etc., $5\frac{1}{2} \times 12 \times 14\frac{1}{2}$ inches | 1 |
| R2590 | Lungs, Heart and Larynx, natural size | 2 |
| R2595 | Heart, natural size | 1 |
| R2650 | Skeleton, best grade | 7 |
| R2660 | Case for holding Skeleton | 3 |
| R2600 | Manikin, Male, Female, Sexless, colored | 7 |
| R2700 | Complete Set of 30 Selected Models, with explanatory keys | 25 |
| | a Complete with Cabinet | 30 |

PHYSIOLOGY CHARTS

ARNOLD'S

Size 30x40 inches

A standard series of charts accurately drawn and printed in colors to represent the original specimens. The name of each organ or part is printed:

1. Skeleton, Entire Figure, with 10 Enlarged Details.
2. Muscles, Entire Figure, with 6 Enlarged Details.
3. Brain and Nervous System, Entire Figure, with 10 Enlarged Details.
4. Circulation of the Blood, Entire Figure, with 12 Enlarged Details.
5. Organs of Digestion and Assimilation, in Situ, with 11 Enlarged Details.
6. Structure of the Eye, with 5 Enlarged Details.
7. Structure of the Ear, with 8 Enlarged Details.
8. Skin and Excretory Organs, with 9 Enlarged Details.

Price list of above charts separately:

- | | |
|--|---|
| a On cloth with brass eyelets | 2 |
| b On cloth with roller at top and bottom | 3 |
| c On spring roller and board, dust-proof | 5 |
| d In steel spring roller case | 7 |

HYGIENE CHARTS

ARNOLD'S

Size 33x42 inches

Teeth. By means of typical heads, outlined in black, the relative position of the teeth in the jaws of a child and an adult, is shown. The difference between the teeth—temporary, permanent, a sixth-year molar, is indicated by different colors. The structure of a tooth is given in section, the enamel, dentine, and pulp cavity being shown in colors.

air and Food Passages. By means of a coloring scheme, the functions of the nose as the organ of respiration, and the mouth as the commencement of the food passage, are emphasized. Connection between nose and ear is also indicated.

Digestive Organs. Shows the position of the digestive organs by diagrammatic representation, avoiding too much anatomical detail.

Ear. Indicates the connection of the ear with nose, showing the relationship between breathing and hearing. The auditory ossicle and semicircular canals are diagrammatically shown in bold outline.

Eye. Vertical section through the left orbit, showing its contents in the orbital axis, also with muscles in position in the head. Illustrations of common defects of eyesight, with the method of correcting them by means of lenses are also shown.

Nervous System. Shows the nervous system by a novel method of representation. The brain is mapped out into its sensory and motor areas, so far as these have been localized, and the connection of the cerebro-spinal and sympathetic nervous system with the muscles and organs, is illustrated with a diagrammatic simplicity which has received the full approval of one of the leading authorities on the nervous system and its functions. Conventional illustrations of the convolutions of the brain, and of the extreme intricacy of the human nervous system, are also given for purposes of comparison.

Price list of above charts separately:

a On cloth with brass eyelets.....	2.50
b On cloth with roller at top and bottom.....	3.00
c On spring roller and board, dust-proof.....	5.00
d In steel spring roller case.....	7.00

PHYSIOLOGY CHARTS

JOHNSTON'S

Size 23x32 inches

1. Skeleton and Structure of Bone.
2. Joints and Ligaments, and Structure of Ligaments and Cartilage.
3. Muscular System and Structure of Muscles.
4. Heart, Arterial Blood Vessels, Capillary Blood Vessels, etc.
5. Veins, Organs of Respiration, Circulatory System.
6. Lymphatics and Organs of Digestion.
7. Brain, Nervous System and Structure of Skin.
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Set of 8 charts, mounted on cloth in solid head, complete, with tripod and manual.... 15.00

BOTANY CHARTS

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Complete description given at bottom of each chart.

- | | |
|----------|--------------------|
| 1. Root. | 4. Flower. |
| 2. Stem. | 5. Flower. |
| 3. Leaf. | 6. Seed and Fruit. |

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True to life, printed in colors, representing the principal lines in the chain of nature. A manual is furnished with each chart.

1. Mammalia; 135 Illustrations.
2. Birds; 145 Illustrations.
3. Reptiles, Amphibians and Fishes; 50 Illustrations.
4. Invertebrate Animals; 169 Illustrations.
5. Mineralogy and Paleontology; 244 Illustrations.

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STANDARD CHEMICALS AND REAGENTS

The following list of standard chemicals are made by well-known American manufacturers, including Merck and Baker, and can therefore be relied upon for analysis and quality. Most of them are supplied in original packages with maker's own label. In the absence of other instructions we will fill orders from best available stock. If any particular kind or make is desired, such as "Baker's Analyzed," "Merck's Blue Label," etc., please so state in the order.

Prices are subject to change, but those given below indicate present current rates and include proper containers.

Acacia (See Gum Arabic).		
Acetaldehyde, 95%, lb.	1.00	
Acetamide, cryst., oz.		
Acetanilide, Cryst. Powd. or U. S. P., oz. .25; lb.	1.65	
Acetic Anhydride, C. P. (Anhydrous Acetic Acid), oz. .36; lb.	3.00	
Tech., lb.	1.80	
Acetone—		
C. P. or U. S. P., lb.	1.00	
Pure, lb.	.75	
Sulphite, lb.		
Acetphenetidin, U. S. P., oz. .50; lb.	5.75	
Acetyl Chloride, oz.	.50	
Acid—		
Acetic (Glacial), C. P. lb.	.90	
Acetic (Glacial), 99% U. S. P. oz., .20; lb.	.60	
Acetic, C. P. 99.7/9%, lb.	1.00	
Acetic, 36% U. S. P., lb.	.45	
Acetic, 80% U. S. P., lb.	.60	
Acetic (Pure), 56%, lb.	.45	
Acetic (Pure), 99.5%, lb.	.75	
Arsenic (Pure), oz. .30; lb.	2.40	
Arsenic, C. P., lb.	1.25	
Arsenous, C. P. (Arsenic Trioxide), lb.	.85	
Arsenous, U. S. P. Powd., oz. .22; lb.	.60	
Arsenous, U. S. P. Sol., oz. .20; lb.	.45	
Benzoic, lb.	2.70	
Benzoic (True), U. S. P., oz.	1.00	
Benzoic (from Toluene), U. S. P., oz. .25; lb.	2.10	
Boric, C. P., lb.	.75	
Boric, Pure, Cryst., lb.	.50	
Boric (Boracic), U. S. P. Cryst., lb.	.45	
Boric, U. S. P. Gran. or Powd., lb.	.45	
Boric, C. P. (Impalpable Powder), lb.	.72	
Boric, Tech. or Coml., lb.	.50	
Butyric, C. P., oz.		
Butyric, Tech. (Absolute), oz. .45; lb.	4.00	
Butyric, 80%, oz. .45; lb.	3.25	
Butyric, 60%, oz. .40; lb.	3.00	
Camphoric, U. S. P., oz. 1.00; lb.	13.00	
Carbolic, C. P. Cryst., lb.	.90	
Carbolic, Pure, lb.	.65	
Carbolic (Phenol), Fused Cryst., lb.	.60	
Carbolic, U. S. P. Cryst. oz., .25; lb.	1.20	
Carbolic, Liquid, U. S. P., 87%, lb.	.60	
Chromic, C. P. (Chromium Trioxide), lb.	3.75	
Chromic, Tech., lb.	2.40	
Chromic (85%), oz. .45; lb.	3.00	
Chromic, U. S. P., oz. .48; lb.	4.50	
Cinnamic, Pure, oz.	1.90	
Citric, C. P., Cryst., oz. .35; lb.	3.00	
Citric, Pure, Cryst., lb.	2.40	
Citric, U. S. P., Cryst., Gran. or Powd., lb.	1.80	
Fluorsilicic, lb.	1.25	
Formic, C. P., 85-90%, oz. 35; lb.	2.00	
Formic, Tech., lb.	1.20	
Formic, 25%, oz. .30; lb.	1.20	
Gallic, U. S. P., oz. .35; lb.	3.00	
Glycerophosphoric, 25%, oz. .45; lb.	3.75	
Hydriodic, Sp. Gr. 1.50, oz.	.60	
Hydriodic, U. S. P. Dil. 10%, oz. .30; lb.	1.80	
Hydrobromic, 34%, oz. .30; lb.	1.90	
Hydrobromic, U. S. P., Dil. 10%, oz. .25; lb.	.90	
Hydrochloric, C. P. (Muriatic), lb.	.60	
6-lb. bottle	2.40	
Hydrochloric, Coml., 6-lb. bottle.	1.25	
Hydrocyanic, Dil. U. S. P., oz. .20; lb.	.72	
Hydrofluoric, C. P., oz. .75; lb.	2.00	
Hydrofluoric, Tech., lb.	1.00	
Hydrofluosilicic, C. P., lb.	2.25	
Hypophosphorous (50%), oz. .55; lb.	4.75	
Hypophosphorous, U. S. P. (30-32%), oz. .45; lb.	3.25	
Hypophosphorous, U. S. P. Dil. (10%), oz. .30; lb.	1.50	
Iodic, C. P., Cryst., oz.	2.00	
Iodic, C. P. Anhyd. (See Iodine Pentoxide).		
Lactic, Dil. (10%), oz. .20; lb.	1.00	
Lactic, C. P., lb.	3.75	
Lactic, U. S. P., oz. .45; lb.	4.20	
Molybdic, C. P., 85%; lb.	4.20	
Monochloroacetic, pure, oz. .45; lb.	3.25	
Nitric, C. P., lb. .75; 7-lbs.	3.75	
Nitric, Coml., lb.	.60	
Nitric (Fuming), lb.	1.15	
Nitro-Hydrochloric, U. S. P., lb.	.75	
Oleic, U. S. P., lb.	.75	
Oleic, Tech., lb.	.65	
Osmic, $\frac{1}{2}$ gram.	4.50	
Oxalic, C. P., lb.	1.75	
Oxalic, Tech., Cryst., lb.	1.25	
Oxalic, Tech., Powd., lb.	1.50	
Oxalic, Tech. Anhyd., lb.	2.00	
Perchloric, C. P. (60%), lb.	9.00	
Perchloric, C. P. (20%), lb.	3.75	
Perosmic, 1 gram	8.00	
Phenolsulphonic, C. P. (Para), lb.	3.50	
Phosphoric, C. P., lb.	1.15	
Phosphoric, U. S. P. (Syrupy), lb.	1.20	
Phosphoric, Meta (Glacial), Sticks, oz. .40; lb.	3.75	
Phosphorus, 30-50%, lb.	2.20	
Phthalic, Anhydride Sublimed, oz. .36; lb.	3.00	
Phthalic, Anhydride, C. P., lb.	2.40	
Phospho-Molybdic, C. P., Cryst., oz.	1.50	
Phospho-Molybdic, C. P., 10% Sol., lb.	2.70	
Phospho-Tungstic, C. P., Cryst., oz.	1.50	
Phospho-Tungstic, C. P., 10% Sol., lb.	2.70	
Picramic, for blood test, oz.	3.50	
Picric, C. P. Cryst., lb.	1.90	
Picric, Tech. Cryst., lb.	1.00	
Picric (with 10% water added), oz. .30; lb.	2.10	
Propionic, C. P., oz.		
Pyrogallic, U. S. P. Cryst., oz. .60; lb.	4.50	
Pyrogallic, U. S. P. Resublimed, oz. .60; lb.	5.00	
Pyroligneous, Purified, lb.	.45	
Pyroligneous, Tech., lb.	.36	
Salicylic, Cryst., lb.	1.35	
Salicylic, U. S. P., oz. .20; lb.	1.25	
Salicylic, Synthetic, U. S. P., oz. 20; lb.	1.25	
Silicic, C. P., oz. .40; lb.	2.10	

CHEMICALS

Acid—Con inued

Silicic (Wet Process), oz. .22; lb.	1.20	Metal (Sticks), lb.	
Silicic, Pure, oz. .22; lb.	1.20	Metal (Granular), lb.	
Silico-Tungstic, C. P., oz.	1.30	Acetate, C. P. (Basic), oz. .25; lb.	
Stearic, Purified, lb.	1.20	Acetate (Sol. N. F.), lb.	
Stearic, Pure, lb. ....	.75	Aceto-Tartrate, oz. .30; lb.	
Stearic, U. S. P. Lumps, lb. ....	.90	Ammon. Sulphate, C. P., lb.	
Stearic, U. S. P. Powd., lb.	1.05	Ammon. Sulphate (Tech.), lb.	
Stearic, Tech. (Lumps or Powd.), lb. ....	.75	Borate, C. P., lb.	
Succinic, C. P., oz.	2.10	Bromide, C. P., oz.	
Succinic, Cryst., oz.	1.50	Chloride, C. P. Cryst. lb.	
Sulphanilic, Purified, Cryst., oz. .35; lb.	2.25	Chloride (Sublimed Anhydrous), oz. .45; lb.	
Sulpho-Carboic, oz. ....	.40	Chloride (Tech.), Cryst., lb.	
Sulphuric, C. P., lb. .65; 9-lbs.	3.00	Citrate, oz. .32; lb.	
Sulphuric, C. P., Absolute, lb. ....	.75	Fluoride, C. P., lb.	
Sulphuric, Tech or Coml., lb. .45; 9-lbs.	2.00	Hydrate, C. P., lb.	
Sulphuric, C. P. (Fuming), lb. .90; 9-lbs.	4.80	Hydroxide, U. S. P., oz. .25; lb.	
Sulphuric, Coml. (Fuming), lb. ....	.60	Nitrate, C. P., oz. .30; lb.	
Sulphuric, C. P. Spec. (Low in Nitrogen), 9-lbs.	2.25	Nitrate, Tech, lb.	
Sulphuric, 66° Be, Coml., 9-lbs.	1.50	Oxalate, C. P., lb.	
Sulphurous, C. P. Sol., lb. .65; 5-lbs.	1.75	Oxide, C. P. (Ignited), lb.	
Tannic (Tannin), U. S. P., oz. .35; lb.	3.50	Oxide, Tech., lb.	
Tannic, U. S. P. Powd., oz. .35; lb.	3.50	Phosphate, C. P., lb., 2.00; oz.	
Tannic, Highest Purity (Light, Clearly Soluble), oz. .45; lb.	3.75	Potass. Sulphate, C. P., lb.	
Tartaric, C. P. Cryst., lb.	2.40	Potass. Sulphate, C. P. (Anhyd.), lb.	
Tartaric, U. S. P. (Pure), Powd., Cryst., or Gran., lb.	1.75	Potass. Sulphate, Tech. (Anhyd.), lb.	
Tartaric, Highest Purity (Cryst. or Powd.), oz. .40; lb.	3.25	Potass. Sulphate, Tech. (Cryst.), lb.	
Thymic (See Thymol).		Sodium Chloride, C. P. Cryst., lb.	
Trichloroacetic, U. S. P., oz. .65; lb.	7.00	Sodium Fluoride, C. P., lb.	
Valeric, oz. 1.10; lb.	15.00	Sodium Sulphate, C. P. Cryst., lb.	
Agar Agar, U. S. P. Shredded, lb.	1.90	Sodium Chloride Sulphate, C. P. Anhyd. lb.	
U. S. P., Powd., lb.	2.75	Sulphate, C. P. Cryst., lb.	
Agaricin, 15 grams, .45; oz.	5.50	Sulphate, C. P. Anhyd., lb.	
Albumen, Egg (Scales), lb.	3.00	Sulphate, Tech., lb.	
Egg (Powd. Soluble), lb.	3.00	Sulphate, U. S. P., Gran. or Powd., lb.	
(From Blood), lb.		Sulphide, lb.	
Albutannin (Albumin Tannate), oz. .75; lb.	9.00	Sulphite, C. P., lb.	
Alcohol—		Tartrate, C. P. lb.	
Amylic, C. P. (Iso), lb.	3.00	Aluminum and Potass. Sulphate (Potassic Alum.), Highest Purity, Cryst. lb.	
Amylic (Fusel Oil), lb.	1.90	Ammonia Water (See Ammonium Hydroxide).	
Amylic (For Milk Analysis), lb.	2.10	Ammonium—	
Ethyl, 95%, U. S. P.		Acetate, Cryst., oz. .20; lb.	
Ethyl (Absolute)		Acetate, C. P. Cryst., oz. .25; lb.	
Ethyl (Denatured), lb. .65; gal.	2.50	Acetate, Sol. U. S. P., lb.	
Methyl, C. P. (Acetone Free), lb. 1.90; gal.	9.50	Arsenate, oz.	
Methyl (Wood), 95%, lb. 1.50; gal.	6.00	Arsenate, C. P., lb.	
Methyl (Refined), lb. 1.40; gal.	6.75	Benzoate, U. S. P., oz. .35; lb.	
Methyl (Absolute), lb. 1.50; gal.	7.50	Bicarbonate, C. P., oz. .20; lb.	
Aldehyde (Acet. Aldehyde), lb.	3.00	Bichromate, C. P., lb.	
Alum, Ammonium, U. S. P., lb. .36; (Aluminum and Ammonium Sulphate), lb. ....	.30	Bichromate, Pure, lb.	
Ammonio - Ferric (Ammoniated Iron Alum, Ammono-Ferric Sulphate, Iron and Ammonium Sulphate Ferric), oz. .20; lb. ....	.60	Bifluoride, C. P. (Ammonium Fluoride), lb.	
Chrome (Chromium and Ammonium Sulphate), Powd., lb. ....	.60	Binoxalate, C. P., lb.	
Chrome (Chromium and Potass. Sulphate), Cryst., lb. ....	.75	Biphosphate (Monobasic), oz. .25; lb.	
Lump, Tech., lb. ....	.25	Bisulphate, C. P., oz. .25; lb.	
Powd., Tech., lb. ....	.30	Bisulphite, C. P. Con. Sol., lb.	
Burnt, Tech., lb. ....	.35	Bitartrate, C. P., lb.	
Alizarine Paste, oz. .75; lb.	9.00	Bitartrate, oz. .30; lb.	
Aluminum—		Borate, C. P., lb.	
Metal (Powd. Dust), oz. .30; lb.	2.25	Borate, C. P., oz. .30; lb.	
Metal (Sheet), lb.	1.50	Bromide, C. P. or U. S. P., lb.	
Metal (Foil), lb.	1.80	Bromide, U. S. P., oz. .30; lb.	
Metal (Turnings), lb.	1.35	Carbonate, C. P. or U. S. P. (Lumps or Powd.), lb.	
Metal (Wire), lb.	1.80	Carbonate, C. P. or U. S. P. (Cubes), lb.	
		Carbonate, C. P. or U. S. P., Pure, lb.	
		Carbonate, U. S. P. Resublimed, Lumps, lb.	
		Chloride, C. P. or U. S. P. (Gran. or Powd.), lb.	
		Chloride, C. P. Spec., lb.	

Ammonium (Continued)—

Chloride (Sal Ammoniac), Tech. Gran., lb.	.72
Chromate, C. P., lb.	3.00
Chromate (Neutral), oz. .30; lb.	2.70
Citrate, C. P., oz. .30; lb.	2.75
Dichromate (See Ammon. Bichromate).	
Fluoride, C. P., 8 oz.	2.75
Fluoride, Purified, lb.	1.35
Fluoride, Dry, Tech., lb.	.80
Formate, C. P., lb.	1.50
Hypophosphite, N. F., oz. .40; lb.	4.00
Hydroxide, C. P., lb. .75; 4-lbs.	2.25
Hydroxide, 16°, lb. .45; 5-lbs.	1.50
Hydroxide, 18°, lb.	.48
Hydroxide, 20°, lb.	.50
Hydroxide, 26°, lb.	.60
Hydroxide, 26°, U. S. P., lb.	.70
Hydrosulphide (See Ammon. Sulphide).	
Iodate, C. P., oz.	7.50
Iodide, C. P., lb.	7.50
Iodide, U. S. P., oz. .75; lb.	8.50
Meta Vanadate, oz.	
Molybdate, C. P., oz. .65; lb.	3.50
Molybdate, HNO ₃ Sol., lb.	1.50
Muriate (See Ammon. Chloride).	
Nitrate, C. P., lb.	.90
Nitrate, Highest Purity, lb.	1.20
Nitrate, C. P. (Fused Sticks), lb.	1.10
Nitrate, Tech., lb.	.65
Nitrate (Cryst., Fused, or Gran.), lb.	.65
Nitrite, Sol., lb.	1.00
Oxalate, C. P., lb.	1.80
Oxalate, Tech., lb.	1.15
Oxalate, Pure, lb.	2.25
Oxalate, Highest Purity, oz. .30; lb.	2.75
Persulphate, C. P., oz. .25; lb.	1.95
Phenolsulphonate, oz.	.30
Phosphate, C. P. (Primary), lb.	1.50
Phosphate, C. P. (Secondary), lb.	1.30
Phosphate, Tech. Powd. 98%, lb.	.80
Phosphate, Dibasic, Pure, Gran., lb.	1.20
Phosphate, Dibasic, C. P. Gran., oz. .30; lb.	1.95
Phosphate, Monobasic (Biphosphate), oz. .30; lb.	2.20
Phospho-Molybdate, C. P., oz.	1.05
Picrate, C. P., lb.	4.00
Potass. Tartrate, C. P., lb.	2.75
Salicylate, U. S. P., oz. .30; lb.	2.40
Silico-Fluoride, C. P., lb.	2.20
Sulphate, C. P. or Highest Purity, lb.	.60
Sulphate, C. P. Spec., lb.	1.20
Sulphate, Tech., lb.	.45
Sulphate, Pure, lb.	.48
Sulphide, Hydro, lb. .85; 5-lbs.	2.00
Sulphocarbolate (Phenol-Sulphonate), oz.	.30
Sulphocyanate (Thiocyanate), oz. .40; lb.	3.75
Sulphocyanide, Tech., oz. .30; lb.	2.10
Sulphocyanide, Pure, oz. .35; lb.	3.00
Sulphite, C. P., Cryst., lb.	1.30
Tartrate, C. P., lb.	2.10
Sulphite, Neutral, oz. .30; lb.	2.50
Valerate, U. S. P., oz. .90; lb.	10.00
And Magnesium Phosphate, oz. .30; lb.	1.50
And Magnesium Sulphate, lb.	1.05
And Potassium Tartrate, oz.	.40
Tetroxalate, C. P., lb.	1.95
Thiocyanate, C. P., lb.	2.50
Thiocyanate, Tech., lb.	2.25

Amyl—

Acetate, Pure, lb.	1.80
Acetate (Pear Oil), Tech., lb.	1.20

Butyrate, Tech., lb.	4.50
Nitrate, oz.	
Nitrite, U. S. P., oz.	.65
Valerate, lb.	11.00
Amylene Hydrate, oz.	1.00
Aniline—	
lb.	1.05
Oil, C. P.	1.10
Oil, Tech., lb.	.75
Acetate, C. P., lb.	2.25
Black (Nigrosine), Sol. in Alcohol, oz.	
Black Sol. in Water, oz.	
Blue, Sol. in Alcohol, oz.	1.75
Blue (Methyl), Sol. in Water, oz.	3.00
Blue (Methylene), oz.	1.50
Brown (Bismarck), oz.	.95
Green (Malachite), Powd. or Cryst. oz.	1.90
Orange, Methyl. (Helianthine), oz.	1.90
Orange (T), oz.	1.50
Red (Aurin), oz.	1.50
Red (Congo), oz.	.95
Red (Corallin), oz.	
Red (Eosine), Bluish, oz.	1.50
Red (Eosine), Yellowish, oz.	1.50
Red (Fuchsine), oz.	
Red (Iodeosine), oz.	3.50
Red (Ruby S), oz.	
Red (Scarlet), oz.	
Violet (Gentian B), oz.	1.50
Violet (Methyl 2B), oz.	1.50
Yellow (Chrysianiline), oz.	
Yellow (Martius), oz.	1.50
Hydrochloride, C. P., lb.	1.20
Nitrate, C. P. lb.	2.10
Oxalate, C. P., oz.	.40
Sulphate, C. P., lb.	1.30
Antimony—	
(Metal), Lump, lb.	.65
(Metal) Gran., lb.	.60
(Metal), Powd., lb.	.60
Arsenate, oz.	.48
Arsenite, oz.	.45
Butter (Antimony Chloride Sol.), lb.	.70
Chloride, Cryst., oz. .45; lb.	3.30
Chloride, Penta, C. P. (Fuming), lb.	1.80
Chloride, Tri, C. P., lb.	1.60
Fluoride, C. P., lb.	2.50
Hydrate, C. P., lb.	2.25
Oxide, C. P., lb.	2.10
Oxide (Antimonous), Pure, lb.	.75
Oxide, Tech. White, lb.	.75
Oxychloride, C. P., lb.	1.90
Pentasulphide, C. P., lb.	2.40
Pentoxide, C. P., lb.	1.75
Potassium Tartrate, C. P. (Tartar Emetic), lb.	2.45
Potassium Tartrate, Tech., lb.	1.95
Sulphate, C. P., lb.	1.55
Sulphide, C. P. Red, lb.	2.90
Sulphide, C. P. Black, lb.	2.70
Sulphide, Black, Purified, lb.	.60
Sulphide, Golden, lb.	1.20
Sulphurated (Kermes Mineral), lb.	
Tartrate, C. P., lb.	2.40
Trisulphide (Antimonious Sulphide), lb.	.75
Antipyrine, U. S. P., oz. .90; lb.	11.00
Apiol, Fluid Green, U. S. P., oz. .40; lb.	6.00
Aqua Fortis (See Nitric Acid).	
Argentum (See Silver).	
Aristol (See Thymol Iodide).	
Argols, Powd., lb.	1.50
Arsenic—	
(Metal), lb.	3.00
Bromide, oz.	.65

Arsenic (Continued)—

Bromide 1% Sol., oz. .25; lb.....	.90
Chloride, oz. .60; lb.....	4.50
Iodide (Arsenous), U. S. P., oz. .90; lb...	10.00
Pentasulphide, C. P., lb.....	2.10
Pentoxide (See Acid Arsenic).	
Arsenic Sulphide, Red, Powd., lb.....	
Sulphide, Yellow, Tech. Powd., lb.....	
Trisulphide, C. P., lb.....	2.10
And Mercury Iodides Sol., U. S. P., lb...	.60
Trioxide (See Acid Arsenous).	

Asbestos—

Long Fibre, lb.....	7.50
Long Fibre Washed in Acid, lb.....	8.00
Long Fibre, Washed and Ignited, lb.....	9.50
Medium Fibre, lb.....	4.75
Medium Fibre, Washed in Acid, lb.....	5.25
Medium Fibre, Washed and Ignited, lb.....	5.75
Platinized, 5%, oz.	11.00
Platinized, 10%, oz.....	20.00

Asphaltum, lb.....

Baking Powder, lb.....	.20
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Baking Soda (See Sodium Bicarbonate).

Balsam—

Canada, oz. .30; lb.....	2.00
Fir, lb.....	
Peru, B. P., oz. .75; lb.....	10.00

Barium—

Acetate, C. P., oz. .25; lb.....	1.20
Borate, C. P., lb.....	1.30
Bromate, C. P., oz.....	.75
Bromide, C. P., oz.....	.50
Carbonate, C. P., lb.....	1.10
Carbonate, Tech., lb.....	.40
Chlorate, Cryst. or Powd., lb.....	
Chloride, C. P., Cryst., lb.....	.60
Chloride, C. P. Anhyd., lb.....	1.10
Chloride, Tech. Cryst., lb.....	.48
Chloride, Tech. Anhyd., lb.....	.65
Chromate, C. P., oz. .37; lb.....	1.20
Citrate, C. P., lb.....	7.75
Dioxide (Peroxide), Anhyd. Tech., lb...	.90
Dioxide Anhyd., C. P., lb.....	1.20
Dioxide, Tech., lb.....	.75
Fluoride, C. P., lb.....	1.45
Hydroxide, C. P., Cryst., lb.....	.80
Hydroxide, C. P. Anhyd., lb.....	1.25
Hydroxide, Tech. Cryst., lb.....	.60
Hydroxide, Tech. Anhyd., lb.....	1.00
Iodate, C. P., oz.....	
Iodide, oz.....	.75
Molybdate, C. P., oz.....	.80
Nitrate, C. P., lb.....	1.00
Nitrate, Highest Purity, lb.....	1.05
Nitrate, Tech. Powd., lb.....	.60
Oxalate, C. P., lb.....	2.20
Oxide, C. P. Hydrated, lb.....	1.25
Oxide, Tech., lb.....	.95
Oxide (Mono), Pure Anhydrous, lb.....	
Peroxide (See Barium Dioxide).	
Phosphate, C. P., lb.....	2.40
Silicate, C. P., lb.....	1.85
Sulphate, Tech., lb.....	.55
Sulphate, Tech. C. P., lb.....	.75
Sulphide, Pure, lb.....	1.20
Sulphide, Tech., lb.....	.55
Sulphide, Gray, 60%, oz. .20; lb.....	.90
Sulphide, Yellow, Pure, 30%, oz. .20; lb.	.90
Sulphite, C. P., oz. .25; lb.....	1.50
Tartrate, C. P., lb.....	3.75
Thiosulphate, C. P. (For Standardizing), lb.....	1.90
Baryta, Carbonate, Tech., lb.....	.40
Chlorate, Powd. Tech., lb.....	

Sulphate, Tech., lb.....	.40
Beef Extract, oz. .50; lb.....	3.25
Bees Wax (See Wax).	
Benzaldehyde, U. S. P., oz. .40; lb.....	3.50
Benzaldehyde, Highest Purity, oz. .45; lb.	4.75
Benzene, C. P., lb.....	.75
Benzene, Pure, lb.....	.40
Benzidine, Base, lb.....	
Benzidine, Highest Purity, lb.....	
Benzol, Pure, lb.....	.60
Benzyl Benzoate, oz. .60; lb.....	7.75
Benzoyl Chloride, lb.....	
Betol (See Betanaphthol).	

Betanaphthol—

U. S. P., lb.....	
Benzoate (Benzo Naphthol), oz. .60; lb.	7.25
Bismuth, U. S. P., oz. .60; lb.....	7.25

Biebrich Scarlet, R., oz.....

Bismuth—

(Metal), lb.....	5.50
Acetate, C. P., oz. .70; lb.....	7.50
Betanaphthol, U. S. P., oz. .60; lb.....	7.50
Carbonate, C. P., lb.....	6.00
Chloride, C. P., oz. .60; lb.....	6.50
Chloride (Trichloride), lb.....	
Citrate, U. S. P., oz. .60; lb.....	6.00
Hydrate, C. P., lb.....	5.75
Iodide, C. P., oz.....	.90
Lactate, oz. .75; lb.....	8.50
Nitrate, Cryst., oz. .45; lb.....	4.00
Nitrate, C. P., lb.....	4.50
Oxalate, oz. .60; lb.....	7.25
Oxide, C. P., lb.....	5.75
Oxide, Hydrated, oz. .60; lb.....	7.50
Oxide Anhydrous (Trioxide), oz. .60; lb.	7.50
Oxychloride, C. P., oz. .60; lb.....	5.75
Oxyiodide (Subiodide), oz. .75; lb.....	8.50
Phenolate, oz.....	.90
Phenolsulphonate (See Sulphocarbolate).	
Phosphate, C. P., oz.....	.90
Phosphate, oz. .60; lb.....	7.50
Phosphate Soluble, oz.....	
Salicylate Acid, 40%, oz. .45; lb.....	4.75
Subcarbonate, U. S. P., oz. .50; lb.....	6.00
Subbenzoate, oz. .60; lb.....	7.50
Subcarbolate, oz. .65; lb.....	9.00
Subgallate, U. S. P. or C. P., oz. .45; lb.	4.75
Subnitrate, U. S. P. or C. P., lb.....	5.40
Subiodide (See Bismuth Oxyiodide).	
Subsalicylate, U. S. P., oz. .60; lb.....	6.00
Sulphate, C. P., lb.....	6.00
Sulphide, C. P., oz.....	.80
Tannate, oz. .50; lb.....	6.00
Valerate, oz. 1.20; lb.....	15.00
And Ammonium Citrate, U. S. P., oz. .75; lb.....	10.00

Bleaching Powder (See Calcium Hypochlorite).

Blue Mass—

(Mass of Mercury), U. S. P., lb.....	1.60
Powd., lb.....	1.70

Bleaching Powder (See Calcium Hypochlorite).

Blue Vitriol (See Copper Sulphate, Tech.).

Bone Ash, lb.....	.45
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Bone Black (See under Charcoal).

Borax—

(Sodium Borate, or Sod. Biborate), U. S. P. Cryst., lb.....	.35
Highest Purity or C. P. Cryst., lb.....	.45
Calcined, (Glass Powd.), lb.....	.90

Bromine—

C. P., lb.....	2.25
Tech., lb.....	

Cadmium—

(Metallic), Sticks, Mossy or Powd., lb.	3.00
Acetate, C. P., lb.	3.75
Bromide, oz. .36; lb.	3.75
Bromide, C. P., lb.	4.00
Carbonate, C. P., lb.	3.75
Carbonate, C. P., oz. .40; lb.	3.50
Chloride, C. P., Cryst., oz. .40; lb.	3.75
Chloride, C. P., Anhyd., oz. .40; lb.	4.25
Fluoride, C. P., lb.	5.75
Hydrate, C. P., lb.	5.40
Iodide, C. P., oz. .65; lb.	7.25
Nitrate, C. P. Cryst., oz. .40; lb.	3.80
Nitrate, oz. .30; lb.	2.40
Oxalate, C. P., lb.	5.75
Oxide, C. P.	5.75
Phosphate, C. P., lb.	6.50
Salicylate, oz., .90; lb.	10.00
Sulphate, C. P., oz. .40; lb.	3.00
Sulphate, C. P., oz. .30; lb.	2.60
Sulphate, C. P. Anhyd., lb.	3.25
Caffeine, U. S. P., oz.	1.20
Caffeine Benzoate, oz.	1.00
Calcite (Calc Spar), lb.	.35
Calamine, Prepared., lb.	.65

Calcium—

(Metal), 2 oz.	5.75
Acetate, C. P., lb.	1.10
Acetate, Tech., lb.	.55
Acetate, Dried, oz. .25; lb.	1.50
Arsenate, C. P., lb.	2.40
Arsenite, C. P., lb.	2.40
Benzoate, oz. .40; lb.	3.75
Biphosphate (Monobasic), lb.	
Bisulphite Sol. (See Lime).	
Bromate, oz.	.90
Bromide, C. P., lb.	2.30
Bromide, U. S. P., oz. .30; lb.	3.00
Carbide, lb.	.50
Carbonate, C. P., lb.	1.10
Calcium Carbonate (See Marble Chips).	
Carbonate (Precip. Chalk), lb.	.50
Carbonate, Tech. Precip., lb.	.30
Chloride C. P. Cryst., lb.	.75
Chloride, C. P., Anhyd., lb.	1.00
Chloride, C. P., Anhyd. Sticks, lb.	1.25
Chloride, Purified Anhyd. (Granulated for Drying Tubes), lb.	.90
Chloride, Tech. Anhyd. (Lumps or Gran. for Dessicators), lb.	.60
Chloride, Tech. Anhyd. Sticks, lb.	1.00
Chloride, Coml., lb.	.40
Chromate, C. P., lb.	1.95
Citrate, C. P., lb.	2.50
Ferrocyanide (See Cal. Pot. Ferrocyanide).	
Fluoride, C. P., lb.	1.65
Fluoride (Fluor Spar), Native Powder, lb.	.50
Formate, C. P., lb.	2.50
Formate, oz. .30; lb.	2.15
Hydrate, Pure, lb.	.60
Hydroxide (See Lime Water).	
Hypochlorite, C. P., lb.	.95
Hypochlorite (Bleaching Powder), lb.	.60
Hypophosphite, U. S. P., oz. .30; lb.	2.00
Iodide, C. P., oz.	.90
Iodide, oz. .60; lb.	7.20
Lactate, U. S. P., oz. .35; lb.	2.75
Molybdate, C. P., lb.	4.25
Nitrate, C. P., oz. .25; lb.	1.40
Nitrate Tech., lb.	.90
Oxide (Lime), lb.	.60
Oxide, U. S. P., lb.	.60
Oxide (From Marble), lb.	.35

Oxalate, C. P., lb.	2.00
Permanganate, oz.	
Peroxide, oz. .60; lb.	4.30
Phenolsulphonate (Sulphocarbolate), oz. .30; lb.	1.85
Phosphate, C. P. (Primary), oz. .25; lb.	1.50
Phosphate, C. P. (Secondary), lb.	1.10
Phosphate, C. P. (Tertiary), lb.	1.40
Phosphate, Tech. (Tribasic), lb.	
Phosphide, oz. .75; lb.	3.75
Potassium Ferrocyanide, C. P., lb.	1.85
Saccharate, oz. .30; lb.	2.75
Salicylate, oz. .30; lb.	2.85
Sulphate, C. P., lb.	.75
Sulphate, C. P., Anhyd., lb.	1.30
Sulphate (Plaster of Paris), lb.	.35
Sulphate (Precip.), lb.	.75
Sulphate (Selenite), lb.	.20
Sulphide, Pure (U. S. P.), lb.	.90
Sulphite, C. P., lb.	1.00
Sulphite, lb.	.45
Sulpho-Carbolate (Phenol Sulphonate), oz. .30; lb.	1.80
And Sodium Hypophosphite, oz. .40; lb.	3.25
Tartrate, C. P., lb.	2.50
Calico Cloth, Pink, for Bleaching, yd.	.30
Calomel (Mercury Chloride, Mercurous Chloride), U. S. P., lb.	3.00
Camphor, Gum, lb.	
Camphor, Monobromated, U. S. P. Cryst. or Powd. oz. .65; lb.	7.50
Canada Balsam (See Balsam).	
Carbon—	
Bisulphide (Di), C. P., lb.	.75
Bisulphide, Tech., lb.	.60
Tetrachloride, C. P., lb.	.85
Tetrachloride, Pure, lb.	.75
Tetrachloride (Fire Extinguisher), quart	1.50
Tetrachloride, Tech., lb.	.60
Tetrachloride (Highest Purity), oz. .25; lb.	1.60
Card Teeth (See Iron Wire.)	
Carborundum, Cryst. or Powd., lb.	
Carmine, No. 40, N. F., oz.	.90
Casein, lb.	1.25
Casein, Tech., oz. .20; lb.	.75
Castile Soap, Bar, lb.	.75
Castile Soap, Powd., lb.	1.20
Castor Oil, lb.	.90
Caustic Potash (See Potassium Hydroxide).	
Caustic Soda (See Sodium Hydroxide).	
Cerium—	
Chloride, Dry, oz.	
Nitrate, Dry, oz. .45; lb.	3.30
Oxalate, U. S. P., oz. .25; lb.	1.60
Oxide, C. P., oz.	
Chalk, Lump, lb.	.20
Chalk, Precip. (See Calcium Carbonate).	
Charcoal—	
Blocks, for Blowpiping, doz.	1.50
Blood, C. P., lb.	3.00
Bone, Gran., lb.	.60
Bone Powd., lb.	.75
Bone (Treated with Acid Moist), lb.	1.00
Wood (Sticks), doz.	1.75
Wood (Powd.), lb.	.30
Cheese Cloth, yd.	.20
Chloralhydrate, Cryst., oz. .30; lb.	2.50
Chloride of Lime (See Calcium Hypochlorite, Bleaching Powder).	
Chlorine Cubes (For Generating Cl), lb.	.80
Chloroform, C. P., lb.	1.25
Chloroform, U. S. P., lb.	.95
Chrome Yellow (See Lead Chromate).	

Chromium—

(Metal), lb.	3.30
Acetate, C. P. (Basic), lb.	1.60
Ammonium Sulphate, C. P., lb.	.50
Borate, C. P., oz.	.90
Bromide, C. P., oz.	3.00
Carbonate, C. P. (Basic), lb.	2.00
Chloride, C. P. Sol. 50%, lb.	3.00
Chloride, C. P., Dry, lb.	3.00
Fluoride, C. P., lb.	1.75
Hydroxide, C. P., lb.	1.50
Hydroxide, Dry, oz. .25; lb.	1.80
Nitrate, C. P., Sol. 40%, oz. .35; lb.	3.00
Nitrate, C. P. Dry (Basic), oz. .40; lb.	2.10
Oxalate, C. P., lb.	3.00
Oxide, C. P., lb.	2.00
Oxide, Anhyd., oz. .30; lb.	2.25
Phosphate, C. P., lb.	1.25
Potassium Sulphate, C. P., lb.	.80
Potassium Sulphate Tech., lb.	3.00
Sulphate, C. P., Dry, lb.	1.60
Sulphate, C. P. Sol. 30%, lb.	1.50
Sulphate, C. P. oz., .25; lb.	3.25
Trioxide (Acid Chromic), oz. .45; lb.	

Cinnabar (Mercury Sulphide, Red).

Coal, Cannel, lb.	.25
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Cobalt—

(Metal), oz.	.75
Acetate, C. P., lb.	5.00
Ammonium Chloride, C. P., lb.	3.75
Ammonium Sulphate, C. P., lb.	3.00
Bromide, C. P., oz.	4.25
Carbonate, C. P., oz. .65; lb.	2.75
Chloride, C. P., lb.	.45
Chloride (Pure), oz.	.90
Chloride 5% Sol., oz. .25; lb.	5.75
Chromate, C. P., lb.	4.50
Hydrate, C. P., lb.	2.75
Nitrate, C. P., oz. .40; lb.	.90
Nitrate Sol. 5%, oz. .25; lb.	3.25
Nitrate, C. P. Anhyd., lb.	4.00
Oxalate, C. P., lb.	3.75
Oxide, C. P., lb.	4.50
Oxide, Black, oz. .45; lb.	1.10
Phosphate, C. P., oz.	2.50
Sulphate, C. P., lb.	3.00
Sulphate, C. P. Anhyd., lb.	1.80
Sulphate, oz. .25; lb.	

Cochineal—

Bugs, lb.	1.60
Powd., lb.	1.85
Collodion, U. S. P., oz. .25; lb.	.80
Flexible, oz. .25; lb.	.80
Cotton, oz.	.60

Congo Red (See under Aniline).

Copper—

(Metal), Gran., lb.	.80
(Metal), Shot, lb.	1.20
(Metal) Precip. Powd., lb.	1.60
(Metal) Shavings, lb.	.95
(Metal), Sheet, lb.	.90
(Metal), Wire, lb.	.90
(Metal), Elec. Sheet, 0.008 in., lb.	1.25
(Metal) Elec. Foil, 0.002 in., lb.	1.95
(Metal), Rivets, lb.	1.20
Acetate, C. P., lb.	1.60
Acetate (Normal), Cryst., oz. .30; lb.	2.50
Acetate (Basic), Refined Powder, lb.	
Aceto Arsenite, C. P., lb.	3.75
Aluminated (Plates), oz. .25; lb.	1.25
Aluminated (Powd.), oz. .25; lb.	1.30
Ammonium Chloride, C. P., lb.	.80
Ammonium Sulphate, C. P., lb.	.80
Arsenate, C. P., lb.	2.50

Arsenate, oz.	.30
Arsenite, C. P., oz. .30; lb.	2.00
Borate, C. P., lb.	3.00
Bromide, C. P., oz.	.70
Bromide, oz.	.45
Carbonate, C. P., lb.	1.40
Carbonate Tech., lb.	.75
Chloride, Cupric (Bichloride), C. P., oz. .30; lb.	1.35
Chloride, Cuprous (Monochloride), oz. .30; lb.	2.25
Chloride, Pure, lb.	.90
Chloride, C. P., Anhyd., lb.	1.40
Citrate, oz.	.30
Cyanide, oz.	.35
Fluoride, C. P., lb.	2.00
Formate, C. P., lb.	3.00
Formate, oz.	
Hydrate, C. P., lb.	3.00
Iodide (ous), oz.	.65
Iodide (ous), C. P., oz.	1.00
Nitrate, C. P., lb.	1.00
Nitrate Tech., lb.	.75
Nitrate, Pure, Cryst., lb.	1.30
Nitrate (Ammoniated), oz.	.30
Oxalate, C. P., lb.	3.75
Oxalate, oz. .45; lb.	3.25
Oxide (ic), C. P. Black, Powd., oz. .25; lb.	1.35
Oxide (ic), C. P. Black, Coarse, lb.	1.50
Oxide (ic), Pure, Gran. lb.	2.40
Oxide (ic), C. P. Wire Form, lb.	1.85
Oxide, Red (ous), oz. .40; lb.	3.75
Oxide, Red, Pure, lb.	1.25
Oxychloride, oz.	.40
Phosphate, C. P., lb.	3.00
Potassium Chloride, C. P., lb.	1.20

Copper—

Potassium Sulphate, C. P., lb.	1.25
Sulphate, C. P., Large Cryst., lb.	.80
Sulphate, C. P., Fine Cryst., lb.	.80
Sulphate, C. P., Anhyd., lb.	1.25
Sulphate Tech. Cryst. (Blue Vitriol), lb.	.35
Sulphate, U. S. P., Gran. or Cryst., lb.	.50
Sulphate, U. S. P., Powd., lb.	.60
Sulphate, C. P. (Iron Free), lb.	.90
Sulphate, Ammoniated, lb.	1.50
and Ammonium Chloride, lb.	1.45
and Ammonium Sulphate (See Copper Sulphate, Ammoniated).	
and Potassium Chloride (Ammoniated Copper), lb.	1.50
and Potassium Cyanide, lb.	2.50
Sulphide, C. P. (Prec.), lb.	2.00
Sulphide, Pure (Fused), lb.	1.95
Sulphide (ic), lb.	1.75
Sulphide (ous), lb.	1.90
Sulpho-Carbolate, oz.	.35
Tartrate, C. P., lb.	2.40

Coralline—

(Rosolic Acid), oz.	.65
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Corrosive Sublimate—

U. S. P. (Mercuric Chloride), Powd.	3.00
U. S. P. (Mercuric Chloride), Gran., lb.	3.00
C. P., Powd., lb.	4.25
U. S. P., Cryst., lb.	3.00
(Powd.), Highest Purity, lb.	4.25
Cotton, Absorbent, Filtering, lb.	.85
Negative, oz.	.50
Photo, oz.	.45
Soluble, with 33 $\frac{1}{3}$ Water, lb.	3.00
Cotton Seed Oil, lb.	.60

Cream of Tartar— (Potassium Bitartrate), U. S. P., Powd., lb.	1.20	Fusel Oil— (Amyl Alcohol), Tech., lb.	1.75
Creosote— U. S. P., oz., .25; lb.	1.75	Purified, lb.	2.10
Carbonate, U. S. P., oz., .60; lb.	7.00	Galena (See Lead Sulphide Native).	
Dextrin— White or Yellow (From Corn), lb. ....	.48	Gelatine— (Powd.), lb.	2.10
White (From Potatoes), lb. ....	.60	(Shredded), lb.	1.25
Dextrose— C. P., lb.	3.00	Glass Wool (Free from Lead), Fine, oz., .75; medium, oz., .70; lb.	6.00
Tech., lb. ....	.50	Glauber's Salt (See Sodium Sulphate).	
(Grape Sugar, Glucose), Pure, oz., .30; lb.	2.10	Glucose, lb. ....	.45
Highest Purity, Anhyd. oz., .75; lb.	8.00	Glue, oz. .10; lb.	1.50
Diamond Ink (For Etching Glass), oz.	1.00	Glycerine— C. P., lb. ....	.45
Dichloride (Insecticide), lb.	1.50	U. S. P., lb. ....	.75
Dimethyl— Aniline, oz.		Gold— Chloride Cryst., gram, .90; oz.	19.00
Gloxime, oz.	3.25	Leaf, book	1.25
Sulphate, lb.	2.25	Mono-Bromide, 5 grains. ....	.75
Earth, Infusorial, lb. ....	.40	Mono-Cyanide, 5 grains. ....	.90
Egg Saver (Water Glass), quart. ....	.60	Mono-Iodide, 5 grains.	1.50
Egg, Albumen, lb.	2.75	Oxide, 15 grains.	1.75
Eosine, oz.	1.50	Tri-Bromide, 5 grains. ....	.75
Epsom Salt— (Magnesium Sulphate), U. S. P., Cryst., lb. ....	.36	Tri-Cyanide, 15 grains.	
(Dried), lb. ....	.36	and Sodium Chloride (Photographic), oz.	8.50
U. S. P., Highest Purity, Cryst., lb. ....	.50	and Sodium Chloride, U. S. P., oz.	11.00
U. S. P., Highest Purity, Cryst., (Dried), lb. ....	.60	and Sodium Chloride, C. P., oz.	18.50
Erythrosine, oz.		and Potassium Cyanide, 15 grains.	2.20
Ether— U. S. P., lb. ....	.60	and Sodium Bromide, 15 grains.	1.00
(For Anesthesia), 4 oz., .25; lb. ....	.80	Grape Sugar (See Dextrose).	
Washed, lb.	1.25	Graphite, Flake or Powd., lb. ....	.90
U. S. P. (Sulphuric), 4 oz., .25; lb. ....	.85	Gum Arabic, lb.	1.60
C. P. Anhydrous, (Distilled Over Sodium), lb.	1.50	Gutta Percha, oz. .40; lb.	3.50
U. S. P., 1880, lb.	1.20	Gypsum (Calcium Sulphate), Lump or Powd., lb. ....	.50
Acetic, C. P., Absolute, lb.	2.75	Hematite (Red Ferric Oxide), lb. ....	.20
Acetic, U. S. P., lb.	1.85	Hemoglobin— Powd., oz., .45; lb.	3.75
Acetic, Pure, 90% (Ethyl Acetate), lb.	1.35	Scales, oz., .45; lb.	4.50
Benzoate, oz., .40; lb.	3.75	Hydrochinone, oz. ....	.40
Bromide (Ether Hydrobromic), Highest Purity, oz., .48; lb.	4.75	Hydrogen Peroxide— U. S. P. or C. P., lb. ....	.60
Butyric, Concentrated (Ethyl Butyrate), lb.	4.00	Merchands, C. P., lb.	1.25
Chloride, U. S. P., 10 grams.		Hydrogen Sulphide, Sol., lb. ....	.75
Formic (Ethyl Formate), oz., .40; lb.	3.75	Hydrone, for Making Hydrogen, 2 lbs.	2.75
Hydriodic (Ethyl Iodide), oz. ....	.85	Iceland Spar, oz. ....	.50
Hydrobromic (Ethyl Bromide), oz., .60; lb.	4.75	Indigo Carmine— Paste, oz.	
Nitrous, Con., lb.	2.00	U. S. P., Dry, oz. ....	.60
Petroleum, lb. ....	.65	Infusorial Earth, lb. ....	.40
Petroleum (Low Boiling Point), lb.	1.00	Iodine— Crude, lb.	7.50
Salicylate, lb.		U. S. P., Resubl., oz., .60; lb.	8.00
Valerate, oz.	1.00	Resublimed, lb.	6.75
Ethyl Acetate, gal.	3.00	Tincture, U. S. P., oz., .40; lb.	2.25
Chloride, U. S. P., lb.	1.50	Iodoform— U. S. P., Cryst., oz., .80; lb.	10.00
Ethylene Bromide, oz., .45; lb.	4.50	U. S. P., Powd., Light or Heavy, oz., .75; lb.	9.50
Eucalyptol, U. S. P., oz., .36; lb.	3.00	Iron— Metallic, Fine Powd. (Alcoholized), lb.	
Fehling's Solution, Tablets, oz. ....	.50	Filings, lb. ....	.15
Fehling's Solution, lb. ....	.90	Metal, Steel Wool, oz. .25; lb.	1.90
Feldspar, Powd., lb.		Filings (Degreased), lb. ....	.45
Fire Extinguisher, (See Carbon Tetrachloride).		By Hydrogen (Gray), 90%, oz., .30; lb.	2.60
Flaxseed, lb. ....	.50	By Hydrogen (Black), oz., .30; lb.	2.00
Fluor Spar, Powd. (Cal. Fluoride, Tech.), lb. ....	.30	Powder, lb. ....	.60
Formaldehyde, U. S. P., oz., .20; lb.	1.20	Acetate (ic), C. P., Sol., lb.	1.35
Formin, U. S. P., oz., .48; lb.	5.75	Acetate (Basic), oz., .40; lb.	3.50
Fuchsine (See Aniline).		Acetate (Scales), oz., .35; lb.	3.00
		Albuminate (Scales), oz., .60; lb.	7.00
		Ammoniated, lb.	1.00
		Ammonium Chloride, C. P., lb. ....	.80

Iron (Continued)—

Ammonium Citrate (Green or Brown Scales), lb.	3.35	and Sodium Oxalate (ic), oz., .30; lb...	2.40
Ammonium Oxalate, C. P., lb.	2.00	Javelle Water, lb.	.25
Ammonium Sulphate (ous), C. P., lb.	1.00	Kaolin—	
Arsenate, oz., .30; lb.	1.90	lb.	.25
Arsenite, oz., .30; lb.	1.90	(Washed and Ignited), lb.	.95
Benzoate (ic), oz., .45; lb.	5.50	Lacmoid, oz.	
Bromide (ous), oz., .40; lb.	2.75	Lactose—	
Bromide (ous), C. P., oz.	.60	(Milk Sugar), Powd., lb.	1.00
Carbonate, Precip. (See Iron Oxide).		C. P. Cryst., lb.	1.60
Carbonate (Proto), U. S. P., Powd., lb	1.00	Lamp Black, lb.	.75
Carbonate, C. P., Dry, lb.	1.00	Lead—	
Chloride (ic), C. P., lb.	.70	Coml. Mossy, lb.	.65
Chloride (ic), U. S. P., oz., .20; lb.	.60	Coml. Sheet, lb.	.30
Chloride (ic), Sublimed, Anhyd., lb.		Coml. Sticks, lb.	.60
Chloride (ic), Sol., U. S. P., pint.	.60	Coml. Shot, lb.	.35
Chloride (ous), oz., .25; lb.	1.35	(Metal), Tea Lead, Gran., Free from Ag.	
Chloride, C. P., Anhyd., lb.	1.50	lb.	.65
Chloride, C. P., Spec. (Phos. Free), lb.	1.60	(Metal) Foil, lb.	.50
Chloride, Tech., lb.	.60	(Metal), (Sheet), Free from Ag., lb.	.80
Citrate (ic), U. S. P., oz., .30; lb.	2.70	(Metal), (Sticks), Free from Ag., lb.	.80
Ferroso Oxide (Magnetic Oxide of Iron), lb.	1.40	(Metal), Wire, lb.	.50
Ferrocyanide, Soluble or Insoluble, oz., .30; lb.	2.50	Acetate, C. P., Cryst., lb.	.65
Formate, oz., .45; lb.	4.00	Acetate, C. P., Basic (Primary), lb.	1.20
Hydrate, C. P. (Moist), lb.	1.00	Acetate, C. P., Basic (Secondary), lb.	1.20
Hydroxide, Pure, Dried, oz., .25; lb.	1.50	Acetate, C. P., Basic (Tertiary), lb.	1.40
Hypophosphite, oz., .45; lb.	3.75	Acetate, C. P., Dry (Basic), lb.	1.10
Iodide, oz., .60; lb.	7.00	Acetate, C. P., Sol., lb.	.75
Nitrate (ic), C. P., Cryst., lb.	1.50	Acetate, Tech., Cryst., lb.	.65
Nitrate Sol., lb.	.75	Acetate, U. S. P., Gran. or Powd., lb.	.60
Oxalate, C. P., Cryst., lb.	2.00	Acetate, Tech., Cryst., lb.	.36
Oxalate (ic), Scales, oz., .40; lb.	3.50	Acetate, Tech., Powd., lb.	.40
Oxalate (ous), oz., .30; lb.	2.40	Arsenate, Pure, oz., .25; lb.	1.50
Oxide, C. P., lb.	1.10	Arsenate, C. P., lb.	2.25
Oxide, C. P., Spec., lb.	2.10	Arsenite, oz.	.25
Oxide, Tech. (Iron Subcarbonate), lb.	.40	Arsenite, C. P., oz.	.60
Oxide, Black (Magnetic), lb.		Borate, C. P., oz.	.60
Oxide, Red (Ignited), lb.	.36	Borate, Tech., lb.	1.00
Phosphate, C. P., lb.	1.35	Bromide, C. P., oz.	.65
Phosphate, U. S. P., Soluble, oz., .30; lb.	2.00	Carbonate, C. P., Basic, lb.	1.10
Pyrites, lb.	.40	Carbonate (White Lead), lb.	.90
Sulphate, C. P. (Mn Free), lb.	1.00	Carbonate, Pure, lb.	.90
Sulphate, C. P., lb.	.60	Chloride, C. P., lb.	1.00
Sulphate (ous), U. S. P., Cryst., lb.	.36	Chloride, Pure, oz., .25; lb.	1.75
Sulphate (ous), U. S. P., Dried, lb.	.45	Chromate, C. P., Fused or Powd., lb.	1.60
Sulphate, U. S. P., Gran., lb.	.36	Fluoride, C. P., lb.	1.60
Sulphate, U. S. P., Gran. (Precip. by Alcohol), lb.	.75	Formate, oz.	.50
Sulphate, Tech., lb.	.50	Hydrate, C. P., lb.	1.35
Sulphate (Basic), Monsel's Salt, oz., .20; lb.	.75	Iodide, C. P., oz.	.80
Sulphate (Ferric), lb.	.75	Iodide, oz., .60; lb.	6.00
Sulphide, Gran., lb.	.36	Lactate, oz., .50; lb.	4.75
Sulphide, Sticks, lb.	.50	Nitrate, C. P., lb.	.90
Sulphide, Lumps, lb.	.25	Nitrate, Pure, U. S. P., Cryst., lb.	.75
Tannate, oz., .40; lb.	3.00	Nitrate, Tech., lb.	.55
Valerate (ic), oz., .75; lb.	8.75	Nitrate, oz.	.40
Watch Springs, doz.	.25	Oxalate, C. P., lb.	1.85
Wire (Card Teeth), oz., .25; lb.	.75	Oxalate, oz.	.40
Wire (Picture), roll.	.15	Oxide, C. P. (Litharge), lb.	.65
and Ammonium Citrate (Brown Scales), U. S. P., oz., .30; lb.	2.10	Oxide, C. P. (Red), lb.	.65
and Ammonium Citrate (Green Scales), U. S. P., lb.	2.75	Oxide, Brown (Peroxide), lb.	
and Ammonium Oxalate, Cryst., oz., .30; lb.	2.70	Oxide, Pure, oz., .35; lb.	2.50
and Ammonium Sulphate (ic), oz., .20; lb.	.75	Oxide (Hydrated), oz., .25; lb.	1.50
and Manganese Citrate, oz.	.40	Peroxide, C. P., lb.	1.00
and Potassium Oxalate, oz., .30; lb.	2.70	Peroxide, C. P. (Spec., Sulphur Free), lb.	1.65
and Potassium Tartrate (ic), Brown Scales, oz., .35; lb.	3.00	Peroxide, Tech., lb.	.75
		Peroxide (Manganese Free), Reagent, lb.	2.75
		Phosphate, C. P., lb.	2.10
		Sulphate, C. P., lb.	1.25
		Sulphate, Tech., lb.	.85
		Sulphide, C. P., lb.	.95
		Sulphide (Native Galena), lb.	.80
		Sulphocarbonate (Phenol-Sulphonate), oz.	.35
		Tannate, oz.	.45
		Tartrate, C. P., lb.	2.60

Litharge, lb. ....	.45	Phosphate C. P. (Tertiary), lb.	
Lime—		Phosphate, oz., .20; lb.	
(Calcium Oxide), U. S. P., lb. ....	.60	Silicate, C. P., lb.	
Chloride of, lb. ....	.25	Silicate, oz.	
Sulphurated, U. S. P. (Calcium Sulphide),		Sulphate, C. P., Cryst., lb.	
oz., .20; lb. ....	.90	Sulphate, C. P., Anhyd., lb.	
Lime Water, lb. ....	.50	Sulphate, Tech., lb.	
Lithium—		Sulphate, U. S. P. (Epsom Salt), Cryst.,	
Acetate, oz., .40; lb.	4.25	lb.	
Benzoate, oz., .40; lb.	3.75	Sulphite, lb.	
Bitartrate, oz., .55; lb.	4.75	Tartrate, C. P., lb.	
Bromide, oz., .55; lb.	4.75	and Ammonium Phosphate, oz., .25; lb.	
Carbonate, C. P., lb.	3.75	Magnetite (Lode Stone), lb.	
Carbonate, U. S. P., oz., .30; lb.	3.00	Manganese—	
Carbonate, oz. ....	.40	(Metal), oz.	
Chloride, C. P., lb.	3.75	Acetate, C. P., lb.	
Chloride, oz., .45; lb.	3.75	Borate, C. P., lb.	
Citrate, U. S. P., oz. .40; lb.	4.75	Borate, lb.	
Fluoride, C. P., lb.	4.80	Bromide, C. P., oz.	
Hypophosphite, oz., 1.05; lb.	11.75	Bromide, oz.	
Iodide, oz., .75; lb.	8.00	Carbonate, C. P., oz., .25; lb.	
Lactate, oz., .65; lb.	8.00	Chloride, C. P., lb.	
Nitrate, C. P., lb.	3.15	Chloride, Tech., lb.	
Phosphate, oz., .55; lb.	4.75	Citrate, C. P., oz.	
Sulphate, C. P., oz., .40; lb.	3.75	Citrate, Insoluble, oz.	
Tartrate, oz., .50; lb.	5.25	Citrate, Soluble (Manganese and Sodium	
Litmus—		Citrate), oz.	
Cubes, lb.	2.75	Dioxide, C. P., Powd., lb.	
Powd., lb.	2.90	Dioxide, C. P. (Coarse), lb.	
Purified, lb.		Dioxide, Gran. or Powd., lb.	
Logwood, lb.	1.30	Iodide, C. P., oz.	
Magnesite—		Iodide, oz.	
(Dead Burnt), lb. ....	.40	Nitrate, C. P., oz., .35; lb.	
(Lump), lb. ....	.45	Oxalate, C. P., lb.	
Magnesium—		Phosphate, C. P., lb.	
Metal, Powd., oz., .60; lb.	6.00	Phosphate, oz.	
Metal (Sticks), oz.		Sulphate, C. P., Cryst., lb.	
Metal (Ribbon), oz.	2.75	Sulphate, C. P., Dry, lb.	
Metal (Wire), oz.		Sulphate, Tech., lb.	
Acetate, C. P., lb.	1.45	Sulphate, Cryst., oz., .24; lb.	
Ammonium Chloride, C. P., lb.	1.00	Sulphate, Dried, lb.	
Benzoate, oz. ....	.50	Sulphide, C. P., lb.	
Biphosphate, lb.		Tartrate, C. P., lb.	
Borate, C. P., oz. ....	.85	Mannit, oz.	
Bromide, C. P., oz. ....	.85	Marble, Gran. or Chips, lb.	
Bromide, oz. ....	.75	Menthol, U. S. P., oz.	
Carbonate, U. S. P., Powd., lb. ....	.85	Mercury—	
Carbonate, C. P. (Basic), lb.	1.25	lb.	
Carbonate, Tech., lb. ....	.65	Purified, lb.	
Chloride, C. P., Cryst., lb. ....	.65	Tech., lb.	
Chloride, C. P., (Spec. Cryst.), lb.	1.25	Redistilled, lb.	
Chloride, Tech., lb. ....	.60	Acetate (ic), C. P., lb.	
Chloride, Cryst., lb. ....	.65	Acetate (ous), C. P., oz., .55; lb.	
Chloride, Fused, lb. ....	.90	Ammoniated (Mercuric and Ammonium	
Chromate, C. P., lb.	3.75	Chloride), Lumps or Powd., lb.	
Citrate, C. P., lb.	3.00	Benzoate (ic), oz.	
Citrate, Soluble, oz., .30; lb.	2.85	Bichloride (ic), U. S. P. (Corrosive Subli-	
Fluoride, C. P., lb.	3.00	mate), Cryst. or Gran., lb.	
Formate, oz., .35; lb.	3.75	Bichloride, Highest Purity, lb.	
Iodide, C. P., oz.	1.00	Bisulphate (Mercuric Sulphate), lb.	
Iodide, oz. ....	.85	Bisulphate, Pure (Mercuric Sulphate), lb.	
Lactate, oz. ....	.60	Bromide, C. P., oz.	
Nitrate, C. P., lb.	1.00	Bromide (ous), oz.	
Nitrate, oz., .20; lb. ....	.85	Chloride (ic), C. P., lb.	
Nitrate, C. P. (Fused Sticks), lb.	1.20	Chloride (ous), C. P., lb.	
Nitrate, Tech., lb. ....	.75	Chloride (Calomel), U. S. P., lb.	
Oxalate, C. P., lb.	2.50	Chromate (ic), oz.	
Oxide, C. P., lb.	2.50	Chromate, C. P., oz.	
Oxide, Tech. (Magnesite), lb.	1.50	Cyanide (ic), oz., .60; lb.	
Oxide, U. S. P. (Light), lb.	1.60	Cyanide, C. P., oz.	
Peroxide, oz., .55; lb.	4.25	Iodide (ic), C. P., oz.	
ate, oz., .45; lb.	4.25	Iodide (ous), C. P., oz.	
te, C. P. (Primary), lb.	2.30	Iodide (Green), (ous), oz., .60; lb.	
te, C. P. (Secondary), lb.	1.60	Iodide (Red), (ic), U. S. P., oz., .60; lb.	

Mercury (Continued)—			
Iodide (Yellow), (ous), U. S. P., lb.....			
Nitrate (ic), C. P., oz., .45; lb.....	3.60	Oxide (Black), oz.....	.40
Nitrate (ous), C. P., oz., .45; lb.....	3.60	Phosphate, C. P., lb.....	2.40
Oxide (ic), C. P., or U. S. P., Red, lb...	3.75	Sulphate, C. P., lb.....	1.60
Oxide, (ous), C. P., lb.....	4.50	Sulphate, oz., .20; lb.....	.60
Oxide, C. P., Yellow (Hydrate), lb.....	4.40	Sulphate, C. P., Anhyd., lb.....	2.70
Subsulphate, oz., .45; lb.....	4.25	Sulphide, C. P., lb.....	3.10
Sulphate (ic), C. P., lb.....	3.60	Tartrate, C. P., lb.....	2.40
Sulphate (ous), C. P., lb.....	3.50	and Ammonium Sulphate, lb.....	.60
Sulphate (ic), (Mercury Bisulphate), lb...	2.40	Nigrosine (Water Soluble), lb.....	2.10
Sulphide, C. P. (Black), lb.....	3.50	Nitro Benzene—	
Sulphide (Black), lb.....	2.75	Pure, oz., .20; lb.....	.75
Sulphide, C. P. (Red), lb.....	4.25	(Mono), lb.....	.80
Sulphide (Red), (Cinnabar), Powd., lb...	5.00	(Di), lb.....	1.10
Sulphocyanide (Sulphocyanate), lb.....		Nitroso Beta Naphthol, oz.....	.90
Tannate (ous), oz., .55; lb.....	6.00	Nutgalls, Powd., lb.....	1.00
Thiocyanate, C. P., oz.....		Nutgalls, Whole, lb.....	.80
and Ammonium Chloride, Lumps or		Oil—	
Powd., lb.....	3.75	Bitter Almond, True, U. S. P., oz.....	1.30
and Potassium Cyanide (ic), oz.....	.65	Cloves, U. S. P., lb.....	5.30
Metal—		Eucalyptus, U. S. P., lb.....	2.00
Devarda's Alloy, for Reductions, lb.....	1.65	Mineral, lb.....	.35
Wood's Alloy, Fusible, lb.....	4.25	Mustard, Artificial, U. S. P., oz.....	.90
Rose's Alloy, Fusible, lb.....	4.25	Olive (Sweet), lb.....	1.00
Methylene Blue, oz.....	1.00	Oxgall, oz., .30; lb.....	2.75
Methyl—		Oxone, for Generating Oxygen, 2 lbs...	2.00
Acetate, C. P., oz.....	.60	Turpentine, Rectified, U. S. P., lb.....	
Iodide, C. P., oz.....		Wintergreen, Synthetic, U. S. P., lb.....	1.75
Orange, oz.....	1.05	Pancreatin, U. S. P., oz., .55; lb.....	5.75
Red Indicator, oz.....	4.25	Palm Oil, lb.....	.65
Salicylate, oz.....	.40	Paraffine—	
Metol (Photographic Developer), oz.....	1.30	Wax, Hard, lb.....	.35
Milk Sugar, Powd., lb.....	.75	Wax, Soft, lb.....	.25
Minium (Lead Sesquioxide), lb.....	.50	Wax (See under Wax).	
Molybdenum Sulphide (Molybdenite), lb...	3.00	Paraffine Oil—	
Monse's Salt (Iron Sulphate, Basic), lb...	.75	(White), lb.....	1.00
Naphthalene—		(Yellow), lb.....	.50
(Brom-), (Mono), oz.....		Pepsin, U. S. P., Gran. or Powd., oz., .55; lb...	6.00
C. P. (By Alcohol), lb.....	1.25	Peptone—	
Tech., lb.....	.60	Bacteriological, lb.....	7.25
(Alpha), oz.....	.65	(From Meat), Dry, oz., .65; lb.....	4.50
(Beta), lb.....	4.75	Petrolatum—	
Chloride (Alpha), oz.....		(White), lb.....	.80
Hydro Chloride (Beta), lb.....		(Yellow), lb.....	.48
Resublimed, lb.....	.65	Phenol (Acid, Carbolic), lb.....	.50
U. S. P., lb.....	.75	Phenolphthalein—	
Naphthol—		(Indicator), oz.....	.48
(Alpha), Tech., oz.....	.48	U. S. P., oz., .35; lb.....	3.50
(Alpha), Recryst. for Sugar Anal., oz...	.65	Phenylhydrazine, oz.....	
(Beta), lb.....	3.20	Phosphoric Anhydride (Pentoxide), lb...	2.00
Nessler's Solution for Ammonium Salts,		Phosphorus—	
lb.....	1.20	U. S. P., Sticks, oz., .35; lb.....	1.85
Nickel—		Amorphous (Red), lb.....	2.20
(Metal), Shot, lb.....	1.50	Oxychloride, oz., .55; lb.....	2.40
(Metal), (Gran.), lb.....	1.60	Pentachloride, oz., .70; lb.....	1.80
Acetate, C. P., lb.....	1.85	Pentasulphide, oz.....	.70
Acetate, oz.....	.30	Trichloride, lb.....	1.85
Ammonium Sulphate, C. P., lb.....	.95	Plaster of Paris (See Calcium Sulphate).	
Bromide, C. P., oz.....	.60	Platinum—	
Bromide, oz.....	.50	Chloride, Cryst., 15 grains, 4.00; oz.....	55.00
Carbonate, C. P., lb.....	2.75	Chloride, 10% Sol., oz.....	6.00
Carbonate, lb.....	2.50	Chloride, 5% Sol., oz.....	4.00
Carbonate, Tech., lb.....	1.85	Potassium—	
Chloride, C. P., lb.....	2.25	(Metal), oz.....	
Chloride, C. P., Anhyd., lb.....	3.20	Acetate, C. P., lb.....	2.10
Chloride, oz., .25; lb.....	1.25	Acetate, U. S. P., lb.....	1.60
Hydrate, C. P., lb.....	3.00	Acetate, U. S. P., Highest Purity, lb...	1.80
Nitrate, C. P., lb.....	1.60	Alum (See Aluminum Potassium Sul-	
Nitrate, oz.....	.30	phate).	
Oxalate, C. P., lb.....	2.65	Ammonium Sulphate, C. P., lb.....	1.00
Oxalate, oz.....	.45	Antimonate, C. P., lb.....	4.25
Oxide, C. P. (Green), lb.....	2.40	Arsenate, C. P. (Secondary), oz., .35; lb...	2.10
Oxide, C. P. (Black), lb.....	3.25	Arsenate, C. P. (Tertiary), lb.....	2.20
Oxide, Tech. (Green), lb.....	1.60	Arsenite, C. P., oz., .30; lb.....	2.40
		Arsenite, U. S. P., Solution (Fowler's	
		Sol.), lb.....	.60

Potassium (Continued)—

Benzoate, oz.	.55	Iodide, C. P. (Spec.), lb.	5.25
Bicarbonate, C. P., lb.	1.60	Iodide, U. S. P., Gran. or Cryst., oz. 48; lb.	5.25
Bicarbonate, U. S. P., Cryst., lb.	1.20	Mercuric Iodide, C. P., oz.	1.20
Bicarbonate, U. S., Gran. or Powd., lb.	1.20	Meta-Bisulphite, Cryst. (Pyro-sulphite), lb.	1.20
Bichromate, C. P., Cryst., lb.	1.35	Molybdate, C. P., oz.	1.20
Bichromate, Pure (Gran.), lb.	1.50	Molybdate, oz.	1.00
Bichromate, C. P. (Fused), lb.	1.60	Nitrate, C. P., Cryst., lb.	1.10
Bichromate, C. P. (Gran.), lb.	1.60	Nitrate, C. P. (Fused Stick), lb.	1.60
Bichromate, Tech., Powd. or Cryst., lb.	1.00	Nitrate, Tech., lb.	.80
Binoxalate, Cryst., lb.	2.50	Nitrate, U. S. P., Cryst., Gran. or Powd., lb.	.50
Biphosphate (Monobasic), oz. 30; lb.	2.40	Nitrate, Pure, Cryst., Gran. or Powd., U. S. P., lb.	.90
Bisulphate, C. P. (Pyro), oz. 30; lb.	1.40	Nitrate, Purified, Cryst., lb.	2.40
Bisulphate, C. P., Cryst., lb.	1.10	Nitrate, Purified, Sticks, lb.	2.70
Bisulphate, Tech. (Fused), lb.	1.10	Nitrite (Sticks), Highest Purity, oz. 40; lb.	2.80
Bisulphite, C. P., lb.	2.00	Nitro-Prusside, oz.	
Bisulphite (Meta), Cryst., oz. 25; lb.	1.20	Oxalate, C. P., lb.	2.40
Bitartrate (Cream of Tartar), C. P., lb.	2.00	Oxalate, C. P., Anhyd., lb.	2.70
Bitartrate, U. S. P., lb.	1.20	Oxalate, Tech., lb.	2.10
Boro-Tartrate (Soluble Cream of Tartar), lb.	2.20	Perchlorate, C. P., lb.	1.50
Borate, C. P., lb.	2.10	Permanganate, C. P., Cryst., lb.	2.40
Bromate, C. P., oz. 30; lb.	2.75	Permanganate, Tech., Cryst., lb.	1.60
Bromide, C. P., lb.	2.20	Permanganate, U. S. P., Cryst., lb.	1.80
Bromide, U. S. P., Cryst., Powd., or Gran., lb.	1.50	Persulphate, C. P., lb.	3.75
Carbonate, C. P., Cryst. (Salts Tartar), lb.	1.90	Phenolsulphonate, oz. 40; lb.	3.25
Carbonate, C. P., Anhyd., lb.	2.25	Phosphate, C. P. (Primary), lb.	2.40
Carbonate, Pure, Anhyd., lb.	1.65	Phosphate, C. P. (Secondary), lb.	2.40
Carbonate, U. S. P., lb.	1.10	Phosphate, C. P. (Tertiary), lb.	2.70
Chlorate, C. P., lb.	1.10	Pyrophosphate, C. P., lb.	2.85
Chlorate, Tech., Cryst. or Powd., lb.	.75	Pyrophosphate, Cryst., oz. 25; lb.	1.20
Chlorate, U. S. P., Cryst., Gran. or Powd., lb.	.75	Salicylate, lb.	2.85
Chlorate, Pure, Gran., lb.	.80	Sesquicarbonate, lb.	3.00
Chloride, C. P., lb.	1.00	Silico-Fluoride, C. P., lb.	1.10
Chloride, C. P. (Spec.), lb.	1.35	Sulphate, C. P., Cryst., lb.	1.35
Chloride, Tech., lb.	.70	Sulphate, C. P. (Spec.), lb.	.80
Chromate, C. P., lb.	2.00	Sulphate, Tech., lb.	1.24
Chromate, Tech., lb.	1.85	Sulphuret (Liver of Sulphur), lb.	1.50
Chromate, Pure, Yellow, lb.	1.50	Sulphite, Tech., lb.	2.20
Citrate, C. P., lb.	3.00	Sulphite, Pure, lb.	2.50
Cyanide, C. P., lb.	3.60	Sulphite, C. P., lb.	2.65
Cyanide, Tech., lb.	.95	Sulphocyanide, Pure, lb.	3.60
Ferricyanide, C. P. (Red Prussiate), lb.	2.80	Tartrate, C. P., Cryst. lb.	.75
Ferricyanide, Tech., Cryst., lb.	1.95	Tartrate, lb.	1.60
Ferricyanide, Pure, Gran., oz. 35; lb.	3.25	Tetroxalate, C. P., lb.	.75
Ferrocyanide (Yellow Prussiate), C. P., lb.	1.75	Thiocyanate, C. P., lb.	.45
Ferrocyanide, Tech., Cryst., lb.	1.25	and Mercury Iodide, oz.	
Ferrocyanide, Tech., Anhyd., lb.	1.80	and Sodium Tartrate (Rochelle Salt), U. S. P., Powd., lb.	.90
Ferrocyanide, U. S. P., oz. 25; lb.	1.65	and Sodium (Highest Purity), Cryst. or Powd., lb.	2.25
Fluoride, C. P., lb.	3.00	Pyridine—	
Fluoride, Purified (Arsenic Free), lb.	3.00	C. P., lb.	3.00
Bifluoride, C. P., lb.	3.00	Tech., lb.	2.25
Fluoride, Tech., lb.	2.80	Pyroxylin, Purified, oz.	1.75
Formate, C. P., oz. 30; lb.	2.75	Red Precipitate (See Mercury Oxide Red), Resin, lb.	.25
Hydroxide (Potassa Caustic), U. S. P., Sticks, lb.	1.90	Resorcin, U. S. P., lb.	1.00
Hydroxide, Tech. (Lumps), lb.	1.05	Rhodol (Photo Developer), oz.	.90
Hydroxide, Tech. (Flakes), lb.	1.20	Rochelle Salt (See Potassium and Sodium Tartrate), Cryst. or Powd., lb.	6.00
Hydroxide, Purified (Sticks), lb.	1.90	Rubidium Iodide, oz.	
Hydroxide, Pure or C. P. (Sticks), lb.	3.00	Saccharin, Refined or Soluble, U. S. P., oz. 60; lb.	1.05
Hydroxide, Pure (by Alcohol), Sticks, lb.	2.75	Saccharose—	1.60
Hydroxide, U. S. P., Solution, lb.	.75	U. S. P., oz. 24; lb.	.25
Hydroxide (Electrolytic), lb.	2.10	Highest Purity, oz. 30; lb.	
Hydroxide (Sulphurated), Tech., lb.	1.20	Sand, lb.	
Hydroxide (Sulphurated), U. S. P., oz. 25; lb.	1.50	Sal Ammoniac (See Ammonium Chloride).	
Hypophosphite, U. S. P., oz. 40; lb.	3.35		
Iodate, C. P., oz.	1.25		
Iodate, oz.	.75		
Iodide, C. P., lb.	5.00		

Saltpeter (See Potassium Nitrate).			
Saponin, Purified, Powd., oz. .60; lb.	5.75		
Sawdust, Purified, lb.	.70		
Sealing Wax, lb.	1.20		
Selenium, oz.			
Shellac, Gum, lb.	2.40		
Siderite (Iron Carbonate, ous), lb.	.25		
Silica, Sand (Fine), lb.	.30		
Silver—			
(Metallic), Precip., oz.	3.00		
Acetate, oz.	2.25		
Acetate, C. P., oz.			
Bromide, oz.	2.10		
Carbonate, oz.	2.50		
Chloride, oz.	1.80		
Chloride, C. P., oz.	2.25		
Chromate, oz.	1.85		
Citrate, oz.	2.50		
Cyanide, oz.	2.40		
Iodide, oz.	1.85		
Lactate, oz.			
Nitrate, C. P., oz.	1.80		
Nitrate, U. S. P., Cryst., oz.	1.35		
Nitrate, U. S. P. (C. P.), Gran., oz.	1.50		
Nitrate, oz.	2.50		
Oxide, U. S. P., oz.	2.95		
Phosphate, oz.	3.00		
Sulphate, C. P., oz.	3.90		
Sulphate, oz.	2.10		
and Potassium Cyanide, oz.	2.25		
Soap, Castile, Bar, lb.	.75		
Soap, Castile, Powd., lb.	1.15		
Soap, Soft, lb.	.70		
Soda Ash (See Sodium Carbonate, Tech. Anhyd.).			
Soda Lime (Sodium Hydrate, with Lime), lb.	.70		
Sodium—			
(Metal), oz. .50; lb.	1.90		
Acetate, C. P., Cryst., lb.	.80		
Acetate, U. S. P., Pure, Cryst., lb.	.60		
Acetate, C. P. (Fused), Cryst., lb.	1.10		
Acetate, C. P., Anhyd., lb.	1.25		
Acetate, Tech., Anhyd., lb.	1.00		
Acetate, Tech. (Fused), Cryst., lb.	.65		
Acetate, Tech., Cryst., lb.	.48		
Acid Phosphate (Monobasic), lb.	1.20		
Alum (See Alum. Sodium Sulphate).			
Amalgam, oz.	.50		
Ammonium Phosphate, C. P., lb.	1.10		
Ammonium Phosphate, Tech., lb.	.95		
Arsenate, C. P., lb.	1.00		
Arsenate, Pure, U. S. P., Cryst., oz. .22; lb.	1.00		
Arsenate, U. S. P. (Dried), oz. .24; lb.	1.60		
Arsenate, Tech., Lumps, lb.			
Arsenite, C. P., lb.	1.20		
Arsenite, Tech., lb.	.65		
Benzoate, U. S. P., Gran. or Powd., oz. .30; lb.	1.75		
Biborate (See Sodium Borate).			
Bicarbonate, C. P., lb.	.65		
Bicarbonate, U. S. P., Powd., lb.	.20		
Bicarbonate, U. S. P., Highest Purity, Powd., lb.			
Bicarbonate, Tech., lb.	.45		
Bicarbonate (Baking Soda), lb.	.20		
Bichromate, C. P., Cryst., lb.	1.10		
Bichromate, C. P. (Fused), Anhyd., lb.	1.85		
Bichromate, Tech., lb.	.90		
Binoxalate, C. P., lb.	1.35		
Biphosphate, oz. .24; lb.	1.20		
Bisulphate, C. P., Cryst., lb.	.75		
Bisulphate, C. P. (Fused), Pyro, lb.	.95		
Bisulphate, Tech., lb.	.60		
Bisulphide, C. P., Solution, lb.	.95		
Bisulphite, Purified, lb.	.65		
Bisulphite, U. S. P., Dry, lb.	.65		
Bitartrate, C. P., lb.	2.20		
Bitartrate, Cryst., oz. .25; lb.	2.00		
Borate (Borax), C. P., lb.	.80		
Borate, C. P., Anhyd., lb.	1.30		
Borate, Tech., lb.	.48		
Borate, U. S. P., Highest Purity, lb.	.50		
Borate, U. S. P., Refined, Cryst. or Powd., lb.	.30		
Bromate, C. P., lb.	3.00		
Bromate, lb.	2.60		
Bromide, C. P., lb.	1.85		
Bromide, U. S. P., oz. 25; lb.	1.50		
Calcium Hydrate, Dry, lb.	.75		
Calcium Hydrate, Moist, lb.	.90		
Calcium Hydrate (Special), Dry, lb.	1.10		
Calcium Hydrate (Special), Moist, lb.	1.35		
Carbonate, C. P., Cryst. lb.	.60		
Carbonate, C. P., Anhyd., lb.	.75		
Carbonate, C. P., Anhyd. (Spec.), lb.	1.10		
Carbonate, Tech., Anhyd. (Soda Ash), lb.	.45		
Carbonate, Pure, Cryst. lb.	.30		
Carbonate, Pure, Gran., lb.	.30		
Carbonate, Pure, Dried, Powd., lb.	.35		
Carbonate (Monohydrated), U. S. P., lb.	.35		
Chlorate, C. P., lb.	.95		
Chlorate, Tech., oz. .20; lb.	.65		
Chlorate, U. S. P., Cryst., oz. .20; lb.	.75		
Chloride, U. S. P., lb.	.40		
Chloride, C. P., Cryst., lb.	1.10		
Chloride, Tech., Cryst., lb.	.20		
Chromate, C. P., lb.	1.30		
Chromate, C. P. (Fused), lb.	1.85		
Chromate, lb.	1.20		
Citrate, C. P., lb.	2.50		
Citrate, Pure, lb.	2.25		
Citrate, U. S. P., lb.	2.40		
Cobaltic Nitrite, C. P., oz.	.95		
Cyanide, C. P., lb.	1.25		
Cyanide, Tech., lb.	1.00		
Cyanide, U. S. P. (Fused), lb.	.75		
Cyanide, U. S. P., Gran., lb.	.90		
Cyanide, Lumps, lb.	1.50		
Dichromate (See Bichromate).			
Ferrocyanide, C. P., lb.	1.20		
Ferrocyanide, Tech., lb.	.90		
Fluoride, C. P., lb.	1.20		
Fluoride, lb.	.65		
Fluoride, Purified, lb.	.75		
Fluoride, Tech., lb.	.75		
Formate, C. P., lb.	2.40		
Formate, Anhyd. Cryst., oz. .25; lb.	1.75		
Hydroxide, C. P. (By Alcohol), Sticks, lb.	1.10		
Hydroxide, Elect. (Sticks), lb.	.80		
Hydroxide, Pure, Gran. (For Nitrogen Determination), lb.	.50		
Hydroxide, Tech., Gran., lb.	.45		
Hydroxide, U. S. P., Sticks, lb.	.75		
Hydroxide, C. P. (Sticks), lb.	1.50		
Hydroxide, Purified (Sticks), lb.	.60		
Hydroxide, Pure (Sticks), lb.	1.30		
Hydroxide, C. P. (From Sodium), lb.			
Hydrosulphite, lb.	3.50		
Hypophosphite, U. S. P. or C. P., oz. .30; lb.	2.25		
Hyposulphite (Thiosulphate), C. P. or U. S. P., Cryst. or Gran., lb.	.50		
Hyposulphite, C. P., Anhyd., lb.	.85		
Hyposulphite, Highest Purity, lb.	.60		
Hyposulphite, Tech., Cryst., lb.	.25		

Sodium (Continued)—

Hyposulphite, Tech., Anhyd., lb.....	.65	Sulphate, Tech., Cryst., lb.....	.40
Hyposulphite, Tech., Pea Crystals, lb...	.30	Sulphate, Tech., Anhyd., lb.....	.55
Iodate, C. P., oz.....	.95	Sulphate (Glauber's Salt), Pure, Dried, Powd., lb.....	.30
Iodate, oz.....	.75	Sulphate, U. S. P., Gran. or Cryst., lb...	.30
Iodide, C. P. or Highest Purity, oz.....	.80	Sulphide, C. P., Cryst., lb.....	1.00
Iodide, U. S. P., oz. .60; lb.....	7.15	Sulphide (Fused), Gran., lb.....	.60
Meta-Bisulphite (Pyrosulphite), oz. .24; lb.....	.90	Sulphide, Cryst., lb.....	.75
Nitrate, C. P. or Highest Purity, lb.....	.80	Sulphide, Tech. (Fused), lb.....	.60
Nitrate, C. P., Sticks, lb.....	1.50	Sulphite, C. P., Cryst., lb.....	.60
Nitrate, Tech., lb.....	.45	Sulphite, C. P., Anhyd., lb.....	.75
Nitrate, Purified, Powd., Cryst. or Gran., lb.....	.45	Sulphide (Photographic), Anhyd., lb....	.40
Nitrate, U. S. P., Powd. or Gran., lb.....	.45	Sulphite, Cryst., lb.....	.45
Nitrite, C. P., Cryst., lb.....	1.10	Sulphite, Pure, Cryst., lb.....	.50
Nitrite, C. P., Sticks, lb.....	1.35	Sulphite, Pure, Dried, U. S. P., lb.....	.40
Nitrite, Tech., lb.....	.75	Sulphocyanate (Thiocyanate), Pure, oz.	
Nitrite, U. S. P., Gran., lb.....	1.20	Sulphocyanate, Tech., oz.....	.45
Nitrite, U. S. P., Sticks, oz. .25; lb.....	1.90	Tannate, oz.....	2.40
Nitro Prusside, C. P., oz.....	1.80	Tartrate, C. P., lb.....	1.80
Oleate, lb.....	1.35	Tartrate, Pure, Cryst., lb.....	2.45
Oleate (Acid), lb.....	1.20	Tetroxalate, C. P., lb.....	1.60
Oleate (Neutral Powder), oz. .20; lb.....	1.50	Thio Antimonate, lb.....	2.10
Oxalate, C. P., lb.....	3.25	Thiocyanate, C. P., lb.....	
Oxalate, C. P. (Spec.), lb.....	2.25	Thiosulphate (See Hyposulphite).	
Oxalate (Neutral), lb.....	1.40	Tungstate, C. P., lb.....	4.90
Perborate, C. P., lb.....	.90	Tungstate, Tech. (Wolframate), lb.....	3.75
Perborate, U. S. P., oz. .20; lb.....	1.85	Tungstate, Pure, oz. .40; lb.....	.55
Perborate, Highest Purity, oz. .30; lb...	1.60	Uranate (Uranium Oxide, Yellow), oz...	
Peroxide, C. P. (Spec. Low in Sulphur), lb.....	1.10	Valerate, oz.....	
Peroxide, C. P., lb.....	1.40	Wolframate (See Sodium Tungstate).	
Peroxide (Fused), lb.....	2.00	and Ammonium Phosphate (Microcos- mic Salt), Highest Purity, lb.....	1.50
Peroxide, oz. .40; lb.....	.90	Starch—	
Phenolsulphonate, U. S. P., oz. .22; lb...	1.10	Arrow-Root, lb.....	1.10
Phosphate, C. P. (Primary), lb.....	.75	Corn, lb.....	.40
Phosphate, C. P., Cryst. (Secondary), lb...	1.10	Iodized, oz. .45; lb.....	3.75
Phosphate, C. P. (Tertiary), lb.....	1.10	Potato, lb.....	.60
Phosphate, C. P., Anhyd. (Secondary), lb.....	1.10	Wheat, lb.....	.65
Phosphate, Tech. (Secondary), lb.....	.60	C. P., Soluble, lb.....	1.50
Phosphate, C. P. (Meta), lb.....	2.10	Tech., Soluble, lb.....	.60
Phosphate, Pure, Gran., lb.....	.40	Strontium—	
Phosphate (Dibasic), lb.....	.60	Acetate, C. P., lb.....	2.45
Phosphate (Twice Purified), Cryst. or Dried, lb.....	1.20	Acetate, oz. .25; lb.....	1.80
Phosphate (Monobasic), oz. .20; lb.....	.60	Arsenite, oz. .40; lb.....	3.75
Phosphite, C. P., oz.....	1.80	Borate, C. P., lb.....	2.40
Picrate, lb.....	1.35	Bromide, C. P., lb.....	2.10
Potassium Carbonate, C. P., lb.....	1.35	Bromide, U. S. P., Cryst., oz. .30; lb....	1.80
Nitrate, C. P., lb.....	1.10	Bromide, Pure, Anhyd., Powd., oz. .35; lb.....	2.70
Potassium Sulphate, C. P., lb.....	1.50	Carbonate, C. P., lb.....	1.20
Potassium Tartrate (Rochelle Salt), C. P., Cryst., lb.....	1.25	Carbonate, C. P. (Spec. Bar. Free), lb...	1.80
Potassium Tartrate, Tech., Powd., lb...	1.10	Carbonate, lb.....	1.00
Pyrophosphate, C. P., Cryst., lb.....	1.85	Chloride, C. P. or Highest Purity, lb...	.75
Pyrophosphate (Meta-bisulphite), Powd., oz. .25; lb.....	.90	Chloride, lb.....	.85
Salicylate, C. P. or Highest Purity, Cryst., oz. .25; lb.....	1.80	Chloride, Pure, Cryst., lb.....	2.85
Salicylate, U. S. P., oz. .24; lb.....	1.35	Fluoride, C. P., lb.....	1.80
Silicate, C. P., Cryst., lb.....	.40	Formate, oz. .45; lb.....	1.75
Silicate, 40% Sol., lb.....	.80	Hydroxide, C. P., lb.....	.60
Silicate, Tech., Dry, lb.....	.70	Iodide, C. P., oz.....	.75
Silico-Fluoride, C. P., lb.....	1.60	Iodide, U. S. P. (Fused), oz. .60; lb....	7.00
Stannate, C. P., lb.....	2.10	Lactate, U. S. P., oz. .40; lb.....	3.75
Stearate, lb.....	1.35	Nitrate, C. P., oz. .25; lb.....	1.20
Succinate, Gran., oz. .95; lb.....	10.00	Nitrate, C. P. (Spec. Bar. Free), lb.....	.90
Sulphanilate, lb.....	2.20	Nitrate, Tech., Dry, lb.....	2.25
Sulphate, C. P., Cryst., lb.....	.60	Oxalate, C. P., lb.....	3.90
Sulphate, C. P., Anhyd., lb.....	.80	Peroxide, oz. .45; lb.....	4.25
		Phosphate, C. P., lb.....	2.16
		Phosphate, lb.....	1.90
		Salicylate, U. S. P., oz. .26; lb.....	1.55
		Sulphate, C. P., lb.....	1.20

Strontium (Continued)—

Sulphate, lb.	1.00
Sulphide, lb.	2.00
Tartrate, C. P., lb.	3.00
Sucrose, C. P., lb.	1.35
Sugar, Cane, lb.	.35
Sugar of Milk, Powd., U. S. P., lb.	.75
Sugar of Lead (See Lead Acetate).	
Sulphide Cubes (For Generating H ₂ S), lb.	.95
Sulphite Cubes (For Generating SO ₂), lb.	.95

Sulphur—

(Lumps), lb.	.20
(Flowers), lb.	.25
(Washed), U. S. P., lb.	.30
Chloride, oz. .30; lb.	.90

Sulphur—

(Precip.), U. S. P., lb.	.75
Iodide, oz. .60; lb.	6.50
Talc (Talcum), U. S. P., Purified, lb.	.30

Tannin (See Acid Tannic).

Tartar Emetic (See Antimony and Potassium Tartrate).

Thermit, Black, lb.	1.40
Thorium Nitrate, C. P., oz.	1.20

Thymol—

C. P. or U. S. P. (Acid Thymic), oz.	1.50
Iodide, U. S. P., oz.	1.75

Tin—

(Metal), Mossy, Stick or Shot, lb.	1.85
(Metal), Powd., lb.	1.75
(Metal), (Foil), lb.	2.75
(Stannic), Ammonium Chloride, C. P., lb.	2.10
(Stannic), Chloride, C. P., Cryst., lb.	1.60
(Stannic), Chloride, C. P., Fuming, lb.	2.40
(Stannous), Chloride, C. P., Cryst., lb.	1.65
(Stannous), Chloride, Tech., lb.	1.20
(Stannous), Oxalate, C. P., lb.	2.10
(Stannic), Oxide, C. P., lb.	2.10
(Stannic), Oxide, Tech., lb.	1.80
(Stannous), Oxide, C. P., lb.	3.15
(Stannous), Phosphate, C. P., lb.	3.15
(Stannous), Sulphate, C. P., lb.	1.95
(Stannous), Sulphide, C. P., lb.	2.60
Oxide, Gray (Polishing Powd.), lb.	1.80
Oxide, White (Per-oxide, Di-oxide, Flowers of Tin), lb.	1.65

Titanium—

Potassium, Fluoride, C. P., lb.	
Potassium, Oxalate, C. P., lb.	
Potassium, Tetrachloride, lb.	1.65

Toluene—

C. P., lb.	.80
Pure, lb.	.50
Purified (Toluol: Methyl-Benzene; Phenyl-Methane), lb.	.75

Tripoli, lb.

	.25
Turkey Red Oil, lb.	.75
Tumeric Powder, lb.	1.10
Turpentine, Spirits of, lb.	.80

Uranium—

Acetate, C. P., oz.	1.30
Acetate (Free from Sodium), U. S. P., oz. .60; lb.	5.75
Acetate (Uranium and Sodium Acetate), oz.	.75
Chloride, oz.	
Nitrate, C. P., oz.	.90
Nitrate (Soda Free), oz.	.60
Oxide, Red (Sodium Uranate), oz.	
Oxychloride (Uranium and Ammonium Chloride), oz.	
Sulphate, oz.	2.10
and Sodium Acetate, oz.	.75

Urea—

C. P., oz.	.65
Pure, Cryst., oz. .45; lb.	3.75
Nitrate, C. P., oz.	.90
Sulphate, C. P., oz.	1.20

Vanadium Chloride, C. P., oz.

Vanilin, U. S. P., Refined, oz.

Vaseline (See Petrolatum).

Vinegar, Cider, lb.

Water, Distilled, gal.

Wax—

Bees', lb.	1.30
Carnauba, lb.	1.20
Ceresin, White, lb.	.90
Paraffin, Solid (48-50, 52-54, 56-58, 60-62), lb.	.70

Wood Alcohol (See Alcohol, Methyl).

Xylene—

C. P. (Xylol), lb.	.80
Pure, lb.	.60

Zinc—

(Metal), Mossy, Tech. or Coml., lb.	.60
(Metal), Mossy (Gran.), C. P., lb.	.90
(Metal), C. P. (Sticks), lb.	1.45
(Metal), C. P. (Shot), lb.	1.50
(Metal), C. P., Powd., lb.	1.50
(Metal), (Dust), Powd., lb.	.60
(Metal), (Dust), C. P., lb.	.70
(Metal), (Amalgamated), lb.	1.50
(Metal), (Turnings), lb.	.90
(Metal), (Platinized), Gran., lb.	2.10
(Metal), Sheet, lb.	.50
Acetate, C. P., lb.	1.20
Acetate, U. S. P., Highest Purity, lb.	1.10
Arsenate, oz.	.40
Arsenite, oz.	.40
Benzoate, oz.	.90
Borate, C. P., lb.	3.15
Borate, oz.	.40
Bromide, oz. .45; lb.	4.25
Bromide, C. P., oz.	.70
Carbolate, oz.	.40
Carbonate, C. P., lb.	1.35
Carbonate, U. S. P. (Precip.), lb.	1.20
Carbonate, Tech. (Precip.), lb.	.65
Chloride, C. P. (Gran.), lb.	.85
Chloride, C. P. (Stick), lb.	1.10
Chloride, Tech., lb.	.75
Chloride, Gran., oz. .24; lb.	.60
Chloride, C. P. or U. S. P. (Fused), Sticks, oz. .30; lb.	1.40
Chloride, C. P. or U. S. P., Gran., oz. .25; lb.	1.10
Chloride, Solution, U. S. P., lb.	.75
Chloride, Solution, Tech., lb.	.60
Chromate, C. P., lb.	2.10
Chromate, Tech., lb.	1.55
Cyanide, oz. .30; lb.	2.70
Cyanide, Pure, oz.	.55
Ferrocyanide, oz.	.45
Hydrate, C. P., lb.	1.50
Hypophosphite, oz.	.60
Iodide, C. P., oz.	.90
Iodide, oz. .60; lb.	7.25
Lactate, oz. .40; lb.	3.90
Nitrate, C. P., lb.	.90
Nitrate, Tech., lb.	.75
Nitrate, Pure, Cryst., oz. .24; lb.	1.20
Oxalate, C. P., lb.	2.00
Oxide, C. P. (Dry Process), lb.	.75
Oxide, C. P. (Wet Process), lb.	1.10
Oxide, White, Tech., lb.	.45
Oxide, Pure, lb.	.60
Oxide, U. S. P., lb.	.65

Zinc (Continued)—

Perborate, oz. .45; lb.....	4.75	Sulphate, C. P., Anhyd., lb.....	1.50
Permanganate, oz. .75; lb.....	7.25	Sulphate, Tech., Cryst., lb.....	.30
Peroxide, oz. .50; lb.....	6.00	Sulphate, U. S. P., Gran., lb.....	.45
Phenolsulphonate, U. S. P., oz. .20; lb...	.85	Sulphate, Highest Purity, Dried, lb.....	.60
Phosphate, C. P. (Secondary), lb.....	1.85	Sulphate, Tech., Dried, Powd., lb.....	.40
Phosphate, oz. .25; lb.....	1.75	Sulphide, oz. .30; lb.....	1.55
Phosphide, Powd., oz. .48; lb.....	4.25	Sulphite, C. P., lb.....	2.20
Salicylate, oz. .30; lb.....	3.00	Sulphite, oz. .30; lb.....	1.60
Stearate, lb.	1.50	Tannate, oz. .40; lb.....	3.50
Stearate, U. S. P., oz. .20; lb.....	1.10	Valerate, U. S. P., Cryst. or Powd., oz.	
Subgallate, oz. .40; lb.....	3.50	.90; lb.	9.50
Sulphate, C. P., Cryst., lb.....	.95	and Mercury Cyanide (ic), oz.....	.60
		and Potassium Cyanide, lb.....	3.75



A Set of Blank Order Lists for Chemicals, Chemical Apparatus and Biology, Will Be Mailed on Request. They Include the Essential Material for Elementary Work. Sending Us Your Orders Made Out on These Lists Will Save Your Time As Well As Ours

One label, giving name and locality and usually the chemical formula and crystal system, accompanies each lot.

Actinolite—see Amphibole.	lb.	Bauxite: pisolitic, pinkish, Tenn.	lb.
Aerolites—see Iron.		pisolitic, red and black, Ark. ....	.15
Agate—see Quartz and Opal.		amorphous, brown and pinkish, Ark. ....	.20
Alabaster—see Gypsum.		earthy, Ga. ....	.15
Albertite ..... \$	.30	Beaverite 1.20	
Albite, xline 25		Bentonite ..... .15	
Algodonite: nearly pure 3.00		Beryl: Aquamarine, massive 20	
rocky 1.50		" gemmy fragments 1.80	
Allanite 20		white, massive 20	
Almandite—see Garnet.		Beryllonite, gemmy xl fragments, per gram 30	
Alunite: white, Nevada 20		Betafite (uranium niobate) per oz 2.40	
pale pinkish, Italy 20		Bindheimite & Massicot 4.80	
pink or yellow, Utah 25		Biotite ..... .25	
Amazonstone—see Microcline.		Bituminous Coal—see Coal.	
Amblygonite, cleavable 25		Black Lead—see Graphite.	
Amethyst—see Quartz.		Blende—see Sphalerite.	
Amphibole: Actinolite 25		Bog Ore—see Limonite.	
Asbestos, short-fibre masses 25		Borax, Salt and Gypsum, Chili ..... .15	
long- " " 3.60		Borickite—see Delvauxite.	
Fasciculite (in Schist) ..... .60		Bornite: in quartz, Va. 25	
Hornblende 20		rocky, Md. 30	
Jade, New Zealand 1.20		nearly pure, Md. or Ariz. 1.20	
Nephrite—same as Jade.		and Chalcopyrite, Ariz. .... .60	
Smaragdite 30		Bournonite, some rock, per oz ..... .25	
Tremolite: gray, bladed in Calcite ..... .15		Breithauptite, nearly pure, per oz 1.20	
" white, fibrous, in Calcite ..... .15		Bronzite—see Enstatite.	
" greenish, bladed 30		Brown Hematite—see Limonite.	
" Hexagonite 30		Brucite: best xline, Pa. 1.80	
Analcite, xled on rock 1.80		amorphous, Wash. .... .60	
Andalusite, nearly pure ..... .60		Bytownite: choice ..... .60	
Andradite—see Garnet.		in Gabbro 25	
Anhydrite: massive, white ..... .15		Calamine 30	
massive, gray ..... .15		xled in rock 90	
xline, choice ..... .35		Calcite: rhombic cleavages 25	
Anorthite, xls, per ounce ..... .35		cleavable 15	
Anthracite—see Coal.		golden, cleavable 25	
Antimony: nearly pure, per oz ..... .35		lilac, cleavable ..... .60	
and Cervantite 2.40		salmon 25	
Apatite: brown ..... .15		bluish-gray 20	
blue-green ..... .15		sky-blue 35	
grayish-blue, S. Dak. .... .35		Calc Tufa ..... .15	
Pebble Phosphate, Fla. .... .15		Chalk ..... .15	
Phosphorite or phosphatic Nodules, S. C. .... .15		Coquina 25	
Phosphorite, oolitic, Wy. .... .15		Iceland Spar, good (not optical) 3.60	
Apophyllite, xled 1.20		Iceland Spar, optical at market price.	
Aquacryptite, small pieces ..... .60		Limestone:	
Aquamarine—see Beryl.		arenaceous 20	
Aragonite: fibrous, Mo. 20		argillaceous ..... .15	
fibrous, choice, Calif. .... .35		cherty ..... .15	
fibrous, sky-blue, Ariz. .... .60		compact ..... .15	
Arsenopyrite: pure 25		dolomitic ..... .15	
rocky 15		fossiliferous ..... .15	
Asbestos—see Amphibole and Serpentine.		granular ..... .15	
Asphaltum, Calif. or Trinidad ..... .15		hydraulic ..... .15	
lustrous, Venezuela 20		lithographic ..... .15	
Astrophyllite, xls in rock ..... .60		gray "marble," Mo. .... .15	
Augite—see Pyroxene.		siliceous, banded 20	
Aurichalcite on Calcite 1.20		grayish-pink "Tenn. Marble" ..... .15	
Axinite, xled 2.40		chocolate "Tenn. Marble" ..... .15	
Azurite: low-grade ..... .60		black Vt. "marble" ..... .15	
" & Malachite 1.50		fetid 20	
Baddeleyite ..... .35		Marble:	
Barite: commercial, S. C. .... .15		white, Vermont, fine ..... .15	
fetid ..... .15		white, Georgia, coarse ..... .15	
good xls 1.20		white, Colorado, fine 20	
siliceous concretions ..... .60		gray ("blue"), N. Y. .... .15	
Basanite—see Quartz.		gray, N. C. .... .15	
		pink and gray, banded, N. C. .... .15	
		pink, Ga. .... .15	
		yellow, Italy 20	
		assorted, polished, unlabeled 20	
		Marl ..... .15	

Mexican Onyx	lb.	25	Copper Ores, assorted, unlabeled	8
Oolite: black, Pa.	15		Copper Glance—see Chalcocite.	
cream color, England	15		Copper, Gray—see Tetrahedrite.	
" " Indiana	15		Copper, Indigo—see Covellite.	
Satin Spar	60		Copper Pyrites—see Chalcopyrite.	
Stalactitic	20		Coquina—see Calcite.	
Travertine	20		Corundum: xls	
Calc Tufa—see Calcite.			best cleavable	
Cancrinite in rock	25		rocky, or partly altered	
Cannel Coal—see Coal.			Ruby, xl fragments, per oz	
Carnotite: in Sandstone (low grade)	90		Emery, Turkey in Asia	
in Petrified Wood	90		Emery, Greece	
on Ilmenite	90		Covellite with pyrite	
Cassiterite: in Greisen	25		nearly pure, superfine	
Stream Tin	1.20		Creedite (about 50%)	
high grade	2.40		Crestmoreite in Blue Calcite, choice	
Caswellite .....	.45		Crocoite: xls in rock	
Celestite, choice xled	25		pure xls	
Cerargyrite, about 80%, per oz	2.40		rocky	
Cerussite: rocky .....	.60		Cryolite, pure	
selected .....	.90		Cuprite: high grade	
xled, choice	1.80		second-grade	
Cervantite—see Antimony.			low-grade	
Chalcedony—see Quartz.			Cuproscheelite (Cuprotungstite) nearly pure, per oz	
Chalcocite: rocky .....	.60		Cyanite	
and Bornite .....	.90		Datolite: xled	
nearly pure	1.80		massive, Lake Superior, per oz	
Chalcopyrite: nearly pure .....	.60		Delvauxite and Borickite, per oz	
tarnished (iridescent) .....	.60		Descloizite: xled on rock	
rocky .....	.20		Cuprodescloizite, Arizona, per oz	
with Pyrrhotite, Alaska .....	.35		Deweylite	
Chalk—see Calcite.			Diamond, Bortz, per carat	\$7.50-\$
Chert—see Quartz.			Carbonado, per carat	\$50.00-1
Chlorite—see Prochlorite, Jefferisite, Clinocllore.			gem xls, per carat	\$50.00-1
Chloritoid, Masonite .....	.45		Diatomaceous Earth—see Opal.	
Chondrodite, impure .....	.35		Diopside—see Pyroxene.	
Chromite: superfine .....	.25		Dolomite: coarse xline, N. Y.	
ordinary .....	.15		fine xline, Mass.	
Chrysocolla: good rocky .....	.60		variegated "marble"	
nearly pure	1.20		Domeykite: Mohawkite, nearly pure	
Chrysolite .....	.20		" " rocky	
Peridot in Basalt .....	.35		Stibiodomeykite, rocky	
Chrysotile—see Serpentine.			Dumortierite, in rock, choice	
Cinnabar: nearly pure	4.75		Dysanallyte, xls in rock	
high-grade	3.00		Elaeolite—see Nephelite.	
rocky (lean) .....	.90		Emery—see Corundum.	
Clinocllore, xl plates, Pa.	1.20		Enargite: rocky, Montana	
Coal: Anthracite, Pa. ....	.15		best cleavable, Colo.	
" " Colo. ....	.15		Enstatite	
" " Graphitic, R. I. ....	.15		Bronzite	
Bituminous, Pa. ....	.15		Epidote	
" " Coking, Va. ....	.15		Essonite—see Garnet.	
Cannel .....	.15		Eudialyte, per oz	
Lignite, Wyo. ....	.15		Feldspar—see Albite, Anorthite, Bytownite, Labradorite, Microcline, Microperthite, Oligoclase, Orthoclase, Perthite.	
" " Texas .....	.15		Ferberite, nearly pure, per oz	
Native Coke .....	.15		with Tungstite, per oz	
Semi-Bituminous .....	.15		Ferruginous Quartz—see Quartz.	
Sub-Bituminous .....	.15		Fibrolite—see Sillimanite.	
Coke, Native—see Coal.			Flexible Sandstone—see Quartz.	
Colemanite: cleavable .....	.50		Flint—see Quartz.	
columnar (Neocolemanite) .....	.50		Fluorite: green, N. M.	
Columbite: nearly pure	1.50		yellow, cleavable, small, Tenn.	
rocky .....	.60		blue, cleavable, Ill., superfine	
Cookeite in rock .....	.15		Fowlerite—see Rhodonite.	
Copalite: best Zanzibar, per oz .....	.25		Franklinite: high-grade	
bold Congo	1.50		medium-grade	
bold Batavia	1.50		Fuchsite—see Muscovite.	
Copper: nearly pure .....	.90		Fuller's Earth	
second grade .....	.35		Galena: low-grade	
in Conglomerate .....	.20		best cleavable	
in Amygdaloid .....	.20		fine-granular, argentiferous	

	lb.		lb.
Garnet: Almandite, cleavable.....	.20	Iron Pyrites—see Pyrite.	
" partly altered xls.....	.25	Itacolumyte—see Quartz.	
" xls in micaschist.....	.15	Jade—see Amphibole.	
" same, superfine xls.....	.60	Jasper—see Quartz.	
Andradite, pure, Nevada.....	.30	Jasperized Wood—see Quartz.	
" Polyadelphite.....	.30	Jefferisite, crystal sections.....	.60
Grossularite, Essonite.....	.25	Josephinite—see Iron.	
" Rosolite, in rock.....	.60	Kaolin.....	.15
Pyrope, pebbles, per oz.....	1.20	Kidney Ore—see Hematite.	
Spessartite.....	.25	Kunzite—see Spodumene.	
Gilsonite—see Uintahite.		Labradorite: common, N. Y.....	.15
Glaconite: "Green Sand".....	.15	chatoyant, Labrador.....	.35
granular masses.....	.15	best, selected.....	1.20
Glaucophane.....	.35	xls in Dolerite, Mass.....	.20
Gold Quartz, rich (gold visible), per oz... \$1.20-5.00		Lapis Lazuli—see Lazurite.	
Gold Quartz, Rock, Homestake Mine Ore.....	.30	Lazulite with Quartz, Calif., choice, per oz....	.30
Gold-bearing Conglomerate, Rand.....	.30	Lazurite, choice, rocky.....	1.20
Gold-bearing Magnetite Sand (gold visible)....	.60	Lennilite—see Orthoclase.	
Göthite.....	.30	Lepidolite: pale yellow, S. D.....	.20
Grahamite (Impsonite).....	.20	dark lavender, S. Dak.....	.20
Graphite: in schist, N. Y.....	.25	dark lavender, Maine.....	.20
xld in rock, choice.....	.35	pale lavender, Calif.....	.15
best, Ceylon.....	1.50	Leucophoenicite, with Willemite, etc.....	1.20
Gray Copper—see Tetrahedrite.		Limestone—see Calcite.	
Greasy Quartz—see Quartz.		Limonite: amorphous.....	.15
Green Sand—see Glaconite.		Bog Ore.....	.15
Griphtite.....	.50	fibrous.....	.20
Grossularite—see Garnet.		pseudo, wood, choice.....	.25
Gummite with Uranophane, etc., per oz.....	1.20	pseudo, pyrite, good 3/8-3/4-inch xls.....	1.20
Gypsum: pink, massive, Mich.....	.15	Yellow Ochre.....	.15
gray, massive, Mich.....	.15	Lithographic Limestone—see Calcite.	
gray, banded, Va.....	.15	Lodestone ("Loadstone")—see Magnetite.	
with Salt and Borax, Chili.....	.15	Ludwigite, best, per oz.....	.25
Alabaster, Italy.....	.20	Magnesite: pure, California.....	.25
Satin Spar, best white, England.....	.25	pure, amorphous, Greece.....	.15
Selenite, choice cleavages.....	.35	xld, Nova Scotia.....	1.20
Selenite, optical, per oz.....	.35	xline, Washington.....	.30
Halite: Rock Salt, N. Y.....	.15	Magnetite: xline.....	.15
transparent cleavages.....	.50	showing parting.....	.20
optical, per oz.....	.35	Sand, with Garnet and Olivine.....	.20
Halloysite.....	.30	Sand, Auriferous (gold visible).....	.60
Hardystonite, with Franklinite.....	.20	xls in Chlorite Schist.....	.20
Hematite: banded with Jasper.....	.15	Lodestone ("Loadstone"); weak.....	.15
banded with Quartz.....	.15	medium.....	.30
compact.....	.15	extra strong.....	.40
crystallized.....	1.20	Malachite: precious.....	2.40
fossiliferous.....	.15	and Azurite.....	1.50
Kidney Ore.....	1.80	good, second-grade.....	1.20
micaceous.....	.15	rocky.....	.50
oolitic.....	.15	Malacon, small xls, per gram.....	.15
Pencil Ore.....	\$1.20-\$1.80	Manganosite with Zincite and Magnetite.....	1.20
Hexagonite—see Amphibole.		Marble—see Calcite.	
Hiddenite—see Spodumene.		Marcasite, xld, some rock.....	.50
Hornblende—see Amphibole.		Martite, xld on rock.....	.25
Horn Silver—see Cerargyrite.		Masonite—see Chloritoid.	
Hornstone—see Quartz.		Massicot & Bindheimite.....	5.00
Hübnerite, xline, per oz.....	.35	Menaccanite—see Ilmenite.	
xline, in rock (rich).....	3.50	Meteoric Iron—see Iron.	
Hydromagnesite.....	1.80	Meteorites—see Price-List of Meteorites.	
Hypersthene.....	.60	Mexican Onyx—see Calcite.	
in Gabbro.....	.25	Mica—see Biotite, Lepidolite, Muscovite,	
Iceland Spar—see Calcite.		Phlogopite.	
Idocrase—see Vesuvianite.		Microline: red, choice, cleavable.....	.20
Ilmenite: nearly pure.....	.25	Soda, flesh-color.....	.15
Steam Pebbles, Australia.....	.50	white cleavages.....	.20
Impsonite—see Grahamite.		Amazonstone, broken xls.....	.30
Infusorial Earth—see Opal.		Microlite, per gram.....	.15
Iridosmine, per gram.....	6.00	Microperrhite, cleavages.....	.20
Iron: Native, Greenland, per oz.....	1.20	Milky Quartz—see Quartz.	
Meteoric, shavings.....	.60	Mineral Coal—see Coal.	
" Siderites (iron), per oz.....	.60	Mineral Wax—see Ozocerite.	
" Siderolites (iron and stone), per oz.....	1.20	Mispickel—see Arsenopyrite.	
" Aerolites (stone), per oz.....	1.80		
Josephinite, per oz.....	1.20		

	lb.	
Mohawkite—see Domeykite.		Plumbago—see Graphite.
Molybdenite, per oz. ....	.35	Pollucite: nearly pure
Monazite Sand:		second grade
India, 85% (8½% thoria)	1.20	Polyadelphite—see Garnet.
Brazil, 85% (6% thoria) .....	.90	Polydymite
S. C., 90% (5% thoria) .....	.75	Powellite, some rock, per oz.
N. C., about 75% .....	.50	Prasopal—see Opal.
N. C., about 25-50% .....	.25	Prehnite
Monticellite, in rock, Ark. ....	.30	Prochlorite: pale green, Pa.
“ pure massive, Calif. ....	.60	dark green, superfine, Vt.
Muscovite: rough sheets .....	.25	Psilomelane: ordinary
magnetited, sheets .....	.20	superfine
Fuchsite .....	.25	Pyrite: granular-massive
Natrolite, radiated-fibrous .....	.60	masses of small xls
Neocolemanite—see Colemanite.		pure, broken xls
Nephelite, Elaeolite: Maine .....	.35	superfine, fragments of large xls, show
Arkansas .....	.35	conchoidal fracture, per oz.
Nephrite—see Amphibole.		cubes in chlorite
Nicolite: nearly pure	1.80	xls altered—see Limonite.
with Smaltite .....	.90	Pyrites: Arsenical—see Arsenopyrite.
Nigrine—see Rutile.		Copper—see Chalcopyrite.
Niter, Soda—see Soda Niter.		Iron—see Pyrite.
Novaculite—see Quartz.		Tin—see Stannite.
Ochre, Yellow—see Limonite.		Pyrolusite
Oligoclase .....	.20	Pyromorphite, on rock
Olivenite xled on rock	1.20	Pyrophyllite: massive, N. C.
Olivine—see Chrysolite.		radiated, choice, Calif.
Onyx, Mexican—see Calcite.		Pyrozone: Augite
Oolite—see Calcite.		Diallage, choice, Calif.
Oolite, Siliceous—see Quartz.		Diopside, good xls and groups
Opal: Agate, Oregon .....	.60	“ large xls
Common .....	.30	Pyrrhotite: ordinary, N. C. or Va.
Diatomaceous Earth, masses .....	.50	auriferous, N. C.
“ powdered .....	.20	niccoliferous, Canada
Geyserite (Siliceous Sinter) .....	.60	“ rocky, Canada
Infusorial Earth—see Diatomaceous Earth,		Quartz: Agate, Oregon
above.		Agate, Lake Superior, small
Prasopal, per oz. ....	.25	Amethyst, good xls
Precious: Nevada, per oz.	\$2.40-25.00	Amethyst, coated with ferruginous quartz
rocky, Nevada	2.40	Basanite
in rock, Australia	2.40	Chalcedony
Wood, showing grain .....	.30	Chert
“ limbs, excellent .....	.60	Chrysoprase: California
Opalized Wood—see Opal.		Calif., inferior
Orpiment, choice, xline	2.40	Ferruginous, xled
Orthoclase: cleavable, Maine .....	.15	Flexible Sandstone (Itacolumyte)
Lennilite .....	.30	Flint
Sanidine, bombs .....	.30	Gold—see Gold.
Ottrelite, Phyllite in rock .....	.15	Greasy
Ozocerite	3.00	Jasper: brown, mottled
Pandermite .....	.50	“ red, Canada
Pectolite, fibrous, radiated .....	.60	“ “ Oregon
compact .....	.60	“ yellow
Pencil Ore—see Hematite.		“ Conglomerate
Pentlandite with Pyrrhotite	1.20	Jasperized Wood—see Silicified Wood,
Peridot—see Chrysolite.		low.
Perthite .....	.25	Milky
See also Microperthite.		Morion
Petrified Wood—see Quartz.		Novaculite (Hornstone)
Phlogopite: cleavages .....	.25	Petrified Wood, Colo., etc.
sections of xls .....	.50	Plasma
Phosphate—see Apatite.		Quartzite
Phosphatic Nodules—see Apatite.		Rock Crystal, xls under 1½ inches
Phosphorite—see Apatite.		“ xls 1½ to 2½ inches
Phyllite—see Ottrelite.		Rose: pale pink, N. Y.
Pickeringite .....	.60	medium, S. D.
Picrolite—see Serpentine.		deep pink, S. Dak.
Pitchblende—see Uraninite.		pale, semi-transparent, Me.
Plagioclase—see Albite, Anorthite, Bytownite,		Sand (99.97% silica)
Labradorite, Oligoclase.		Sandstone: Argillaceous
Plasma—see Quartz.		Banded, purple
Plattnerite, with some Limonite, per oz. ....	.60	Banded, red and yellow

	lb.		lb.
Quartz (Sandstone) Continued—		Smoky Quartz—see Quartz.	
“Berea Grit”	.15	Soapstone—see Talc.	
Bituminous	.15	Sodalite, rocky	.60
Bluestone	.15	Soda-Microcline—see Microcline.	
Calcareous	.15	Soda Niter, native	.50
Feldspathic (Arkose)	.15	Specular Iron—see Hematite.	
Ferruginous	.15	Spessartite—see Garnet.	
Flagstone	.15	Sphalerite: xled	.60
Fossiliferous	.15	cleavable	.50
Pure, friable (“Glass Sand”)	.15	rock,	.15
Glauconitic	.20	granular, riboluminescent (!)	.60
Micaceous	.15	Sphene—see Titanite.	
Siliceous Oolite	.15	Spodumene: cleavable, S. Dak.	.15
Silicified (Jasperized) Wood, Ariz.	.30	colorless, gemmy xls, Calif., per oz.	1.20
Smoky: massive	.15	Hiddenite, xls, per gram	1.20
xls, choice	.60	Kunzite, gem xls, per oz.	14.50
Tourmalinated, xls	1.20	“ choice gemmy xls, per oz.	2.40
Realgar: powdered	.60	“ xl fragments, per oz.	.60
pure masses	3.00	Stalacite—see Calcite.	
Rhodochrosite: nearly pure	.40	Stannite, averaging 60%	1.20
rocky	.25	Staurolite: twins	1.20
Rhodonite: Montana	.50	choice xls in rock	.40
Fowlerite	.50	Steatite—see Talc.	
“ with Franklinite, etc.	.25	Stibiodomeykite—see Domeykite.	
Riebeckite, in rock	.25	Stibnite: nearly pure	.50
Ripidolite—see Clinocllore.		second grade	.25
Rock Crystal—see Quartz.		Stilbite, choice xld.	.60
Rock Salt—see Halite.		Stinkstone—see Barite, fetid and	
Roscoelite in Sandstone	.40	Calcite, fetid.	
Rose Garnet—see Garnet, Grossularite (Rosolite)		Stream Tin—see Cassiterite.	
Rose Quartz—see Quartz.		Strontianite: best, Germany	.50
Rosolite—see Garnet, Grossularite.		brown California (new)	.50
Rubellite—see Tourmaline.		Sub-bituminous Coal—see Coal.	
Ruby—see Carundum.		Sulphur: massive	.40
Rutile: broken xls, choice	.60	fibrous-crystalline, Wy.	.70
Nigrine, xled	.20	Tachydrate	1.80
concentrates, Va.	.50	Talc: fibrous, N. Y.	.15
Salt, Rock—see Halite.		foliated, white, N. Y.	.20
Samaraskite	2.40	scistose	.15
Sandstone—see Quartz.		Steatite, Soapstone, Va.	.15
Sandine—see Orthoclase.		Steatite, Soapstone, N. C.	.15
Satin Spar—see Gypsum and Calcite.		Tetrahedrite: nearly pure	1.20
Scapolite—see Wernerite.		and Chalcopryrite	.50
Scheelite, Calif.	3.50	Thaumasite	.50
Schorlomite	.20	Thenardite	.40
Selenite—see Gypsum.		Thomsonite, radiated, some rock, Colo.	1.20
Semi-bituminous Coal—see Coal.		Tiemannite in rock, Utah, per oz.	.50
Serpentine: common	.15	Tincol—see Borax.	
Chrysotile (“Asbestos”) superfine, Ariz.	1.80	Tin Pyrites—see Stannite.	
Chrysotile (“Asbestos”) superfine, Ariz.	1.80	Tin Stone—see Cassiterite.	
Ophealcite	.15	Titanic Iron—see Ilmenite.	
Picrolite	.30	Titanite:	.40
Precious	.25	Sand, Calif.	.40
Verd Antique	.20	Topaz: choice, cleavable-massive, Conn.	1.80
“Vert Tinos Marble,” Greece	.30	xl fragments, Japan.	2.50
Williamsite, Mass.	.20	xls, Japan, per oz.	1.25
Siderite: xline, Conn.	.15	xl fragments, Brazil, per gram	.15
xline, Germany	.20	xls, Schneckenstein, per gram	.30
Clay Iron Stone, nodules	.30	xls, Utah, per gram	.15
Siderites—see Iron.		Tourmaline: black xls in Quartz	.30
Siderolites—see Iron.		brown, xled	.30
Siliceous Oolite—see Quartz.		xls, assorted colors, Cal.	5.00
Silicified Wood—see Quartz.		same, fragments	1.80
Sillimanite	.30	Rubellite xls in Lepidolite	.20
Silver Ore, Butte, Mont., miscellaneous	.40	Travertine—see Calcite	
Skemmatite (new)	.60	Tremolite—see Amphibole.	
Smaltite: nearly pure	1.80	Tungstite with Ferberite, choice, per oz.	.50
and Niccolite	.90	Turquois, pale, nearly pure fragments	1.20
Spargadite—see Amphibole.		rocky fragments	.60
Smithsonite: nearly pure	.50	Uintahite (Gilsomite)	.20
xled on rock	.60	Ulexite, per oz.	.30
rocky	.25	Uraninite: nearly pure, per oz.	2.50
ferruginous, Ill.	.20	good, rocky, per oz.	1.25

	lb.		lb.
Uraninite (Continued)—		Williamsite—see Serpentine.	
second-grade, rocky, per oz. ....	.60	Witherite, partly xled .....	.30
with Gummite, etc., per oz.	1.20	Wolframite, granular, S. Dak.	2.40
Uvanite (new) in Sandstone	1.20	Wollastonite: fibrous-xline .....	.25
Variscite, some rock, Utah	1.25	fine-granular, choice .....	.50
Verd Antique—see Serpentine.		Wood, Jasperized—see Quartz.	
Vesuvianite: choice, partly xled, Calif.	1.20	Wood Opal—see Opal.	
massive, Calif. ....	.60	Wood, Petrified—see Quartz.	
with Diopside, etc., Maine .....	.30	Wood, Silicified—see Quartz.	
Californite, gemmy, Butte Co., Cal.	1.80	Wulfenite, nearly pure	3.75
Californite, choice, Siskiyou Co., Cal.	2.50	Yellow Ochre—see Limonite.	
Californite, average, Siskiyou Co., Cal.	1.25	Zinc Blende—see Sphalerite.	
Vivianite, xled, Colo., per oz. ....	.25	Zincite: nearly pure, per oz. ....	.50
Wad, partly powdered .....	.15	with Willemite, Franklinite, etc. ....	.60
Wavellite, rocky .....	.30	Zinnwaldite .....	.50
Wernerite: white, cleavable .....	.20	Zircon:	2.00
lilac .....	.20	with Ilmenite and Quartz ("Zirconiferous Sandstone") .....	.30
Whitneyite: nearly pure	3.75	Zoisite, xled in Prehnite .....	.60
rocky	1.80	gray xline, some rock .....	.25
Willemite: pure	2.50	Zunyite, xls in rock	1.20
nearly pure	1.75		
with Franklinite, etc.50		

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"Simple Directions for the Determination of the Common Minerals and Rocks; A	
"Laboratory Course in General Geology," Prof. W. H. Hobbs	
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"Rocks and Rock Minerals," Prof. L. V. Pirsson	
"Soils, Their Properties and Management," Lyon, Fippin and Buckman	
"Handbook of Rocks," Prof. J. F. Kemp	
"Stones for Building Decoration," Prof. George P. Merrill	
"Economic Geology," Prof. H. Ries	
"Gems and Gem Minerals," Prof. O. C. Farrington	

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ORDER AND RECORD BLANKS

FOR the convenience of busy customers we have provided in the following pages a condensed list of the standard equipment for elementary CHEMISTRY and BIOLOGY. Extra copies for mailing will be sent on request. Emergency orders however, may be made on these pages, which can be torn from the catalog and mailed to us.

It is also suggested that customers use these blanks for keeping a record of laboratory supplies needed, from which a requisition can be quickly made at any time.

STANDARD SCIENTIFIC COMPANY

Cor. Fourth and Barrow Sts.

(Sheridan Square)

NEW YORK CITY

ORDER BLANK—CHEMICALS

To

STANDARD SCIENTIFIC COMPANY
New York.

Please enter our order for the following chemicals:

Ship to.....

Address.....

City..... State.....

Ship via.....

Charge to.....

Send Invoice to.....

Date..... (Signed).....

Position.....

Acetamid
 Acetone
 Acacia (Gum Arabic).....
 Acid, Acetic, tech.....
 " Acetic, glacial, U.S.P.....
 " Arsenious (Arsenic Trioxide) Powd.....
 " Boric (Boracic) com.....
 " Boric (Boracic) U.S.P.....
 " Carbolic (Phenol) cryst.....
 " Chloroplatinic (Platinum Chloride), 5% sol.....
 " Chromic (Chromium Trioxide).....
 " Citric, cryst. or gran. or powd., U.S.P.....
 " Citric, highest purity.....
 " Fluorsilicic
 " Formic (Hydrogen Carbolic Acid).....
 " Hydrochloric (Muriatic) com. 1 lb. 6 lbs.....
 " Hydrochloric, C.P. 1 lb. 6 lbs.....
 " Hydrofluoric (Hydrogen Fluoride).....
 " Molybdic, pure
 " Nitric, com. 1 lb. 7 lbs.....
 " Nitric, C.P. 1 lb. 7 lbs.....
 " Oxalic, com., cryst. or powd.....
 " Oxalic, highest purity
 " Phosphoric, Meta (glacial) sticks, U.S.P.....
 " Phosphoric, Ortho.
 " Pyrogallie (Pyrogallol) U.S.P.....
 " Salicylic, U.S.P.....
 " Stearic, U.S.P., lumps or powd.....
 " Sulphuric (Oil of Vitriol) com. 1 lb. 9 lbs.....
 " Sulphuric, C.P. 1 lb. 9 lbs.....
 " Tannic (Tannin), powd.....
 " Tannic (Tannin) highest purity.....
 " Tartaric, U.S.P., cryst. or powd.....
 Agar Agar, shreads, U.S.P.....
 Albumin
 Alcohol, Ethylic, U.S.P.....
 Alcohol, Ethylic (95%).....
 Note—On account of Government restrictions
 it is recommended to purchase alcohol
 at local stores.
 Alcohol, Denatured
 " Methylie (wood)

Alum, Ammonium (Aluminum and Ammonium
 Sulphate)
 " Chrome (Chromium and Potassium Sul-
 phate)
 " Iron (Ferric-Ammonium Sulphate).....
 " Potassic (Aluminum—Potassium Sulphate)
 Alizarine Paste
 Aluminum Metal, Leaf in roll.....
 " lumps
 " sheet
 " chips or punchings.....
 " Acetate, pure
 " Chloride
 " Sulphate, cryst., tech.....
 " and Ammonium Sulphate (Alum, Am-
 monia)
 " and Potassium Sulphate (Alum, Potas-
 sic)
 Alundum, 60 mesh
 Ammonium Bi-, or Dichromate.....
 " Carbonate, U.S.P.....
 " Chloride (Sal Ammoniac).....
 " Chloride, U.S.P.
 " Hydrate or Hydroxide, com.,
 1 lb. 4 lbs.....
 " Hydrate or Hydroxide, C.P.,
 1 lb. 4 lbs.....
 " Molybdate
 " Nitrate
 " Nitrate, cryst., highest purity.....
 " Oxalate, pure
 " Oxalate, cryst., highest purity.....
 " Sulphate, pure
 " Sulphate, highest purity.....
 " Sulphide or Sulphydrate.....
 " Sulphocyanate (Thiocyanate), pure...
 Aniline Dyes (1 oz. bottles):—
 Black (Nigrosine) Sol. in Water,
 Sol. in Alcohol.....
 Blue (Fast Blue B) Soluble in Alcohol...
 (Methyl) Soluble in Water.....
 Methylene B.X.

Extra copies of order blanks mailed on request.

Brown, Bismarck	Calcium Phosphate (tribasic) (Bone Ash) tech. for cupels
Green, Malachite Cryst.....Powd.....	" Sulphate (Selenite)
Orange, Methyl (Helianthine).....	" Sulphate (Plaster of Paris).....
T.	Calomel (Mercurous Chloride) U.S.P.....
Red, Aurin	Camphor Gum
Congo	Carbon Bi-, or Disulphide, tech. or highest purified
Corallin	" Tetrachloride
Eosine Bluish	Carborundum, lumps.....powder.....
Eosine Yellowish	Carmine
Fuchsine	Casein, tech.
Iodeosine	Castor Oil
Ruby S (Acid Fuchsine).....	Caustic Potash (Potassium Hydroxide, com.) sticks
Scarlet	" Soda (Sodium Hydroxide, com.) sticks...
Violet, Gentian B.....	Cerussite (Lead Carbonate).....
Methyl 2 B.....	Chalk, Precipitated (Calcium Carbonate).....
Yellow, Chrysaniline	Charcoal, Animal (Bone or Ivory Black) powd....
Martius	" Wood (Vegetable Charcoal) powd.....
Antimony Metallic, lump or powd.....	" Wood (Vegetable Charcoal) lump.....
" Chloride (Trichloride)	" Blocks, for blowpiping.....
" Trisulphide (Antimonious Sulphide)...	Cheese Cloth, yd.....
" and Potassium Tartrate (Tartar Emetic)	Chloride of lime (Calcium Hypochlorite).....
Aqua Fortis, tech.....	Chloroform, U.S.P.
Arsenic, Metallic	Chrome Yellow (Lead Chromate, precip.).....
" Trioxide (Acid Arsenous) powd.....	Chromium Potassium Sulphate (Alum, Chrome)..
Asbestos, Platinized	" Sulphate (Green Chromic).....
" Shredded	" Trioxide (Chromic Acid) U.S.P.....
Baking Powder	Cider Vinegar
" Soda (Sodium Bicarbonate).....	Cobalt Chloride (ous).....
Balsam, Canada	" Metal
Barium Carbonate, precip.....	" Nitrate (ous)
" Carbonate, highest purity.....	" Oxide
" Chloride, pure	Cochineal
" Chloride, highest purity.....	Coal, cannel
" Di-, or Peroxide.....	Congo Red
" Nitrate, powd.	Copper Metal, thin foil.....
" Nitrate, highest purity.....	" " granular
" Oxide, Hydrated	" " Gauze, 80 mesh.....
" Sulphate (Barite)	" " Rivets
" Sulphide, tech.	" " Sheet
Beef Extract	" " Shot, chips, or punchings.....
Benzene (Benzol)	" " Turnings or Shavings.....
Beta Naphthol, U.S.P.	" " Wire B. & S. No. 20.....
Bismuth, Metal	" " Wire B. & S. No. 24.....
" Chloride (Trichloride)	" Bromide (ic)
" Nitrate	" Bromide (ic) C.P.....
" Oxychloride (Bismuthyl Chloride).....	" Chloride (ous) white (mono).....
" Sub-nitrate (Basic Bismuth Nitrate)...	" Chloride (ic) (Bichloride).....
Black Antimony (Antimony Trisulphide).....	" Nitrate, pure cryst.....
" Lead (Graphite)	" Oxide (ic) tech.....
Bleaching Powder (Calcium Hypochlorite).....	" Oxide (ic) Black Powder, pure.....
Bone (Ivory) Black (Animal Charcoal).....	" Oxide (ic) wire form, pure.....
Borax (Sodium Bi-, or Tetraborate).....	" Oxide, red (ous) pure.....
Bromine	" Sulphate (ic) (Blue Vitriol) com.....
Cadmium, Metal	" Sulphate (ic) anhydrous, pure.....
" Chloride	" Sulphate (ic) cryst., highest purity.....
" Nitrate	Corrosive Sublimate (Mercury Bichloride) U.S.P..
" Sulphate	Cotton, Absorbent
Calcite (Calc Spar)	" Cloth, bleached, yd.....
Calico Cloth, pink, for bleaching, yd.....	" Seed Oil
Calcium, Metal	Cream of Tartar (Potassium Bitartrate).....
" Carbide	Dextrose, (Grape Sugar).....
" Carbonate (Marble Chips).....	Dextrin, yellow
" Carbonate (Precipitated Chalk) U.S.P..	" white
" Carbonate, tech.	Diamond Ink (for etching glass).....
" Chloride, gran., for drying tubes, pure..	Diastase of Malt, U.S.P.....
" Chloride, tech., gran	Emery, powd.
" Fluoride (Fluorspar)	Eosin (See Aniline Dyes).....
" Hypochlorite (Bleaching Powder, Chloride of Lime).....	Epsom Salts (Magnesium Sulphate) cryst. U.S.P..
" Nitrate, C.P.	Ether, Sulphuric (Ethyl Oxide).....
" Oxide (Lime)	Ethyl Acetate, U.S.P., 10% alcohol.....

Extra copies of order blanks mailed on request.

Extra copies of order blanks mailed on request.

Picture Wire, iron.....	Sodium Ammonium Phosphate (Microcosmic Salt)
Plaster of Paris (calcium sulphate).....	" Arsenate, tech. or pure.....
Platinum chloride (Chloroplatinic Acid) 5% sol...	" Arsenite, tech. or pure.....
" wire No. 27.....	" Benzoate
" foil, .002 inch thick.....	" Bi-, or Tetraborate (Borax).....
Plumbago (Graphite)	" Bicarbonate (Baking Soda).....
Potassium, Metal	" Bi-, or Dichromate, tech.....
" Antimonyl Tartrate (Antimony Potas-	" Bisulphate
sium Tartrate)	" Carbonate (Soda)
" Bi-, or Dichromate.....	" Carbonate, pure dry.....
Potassium, Bi-, or Disulphate.....	" Chloride, common or C.P. (Salt).....
" Bitartrate (Cream of Tartar).....	" Hydroxide (Caustic Soda, stick form)....
" Bromide, gran., U.S.P.....	" Hydroxide, C.P.
" Carbonate (Salts Tartar).....	" Hydroxide, C.P. by alcohol.....
" Chlorate, powd.	" Hyposulphite (Sodium Thiosulphate)....
" Chlorate, cryst.	" Nitrate (Chili Saltpeter) cryst.....
" Chlorate, cryst., U.S.P.....	" Nitrate, purified
" Chloride	" Nitrite, sticks, U.S.P.....
" Chromate	" Oxalate
" Chromium Sulphate (Alum, Chrome)...	" Per-, or Dioxide, fused.....
" Cyanide	" Phosphate (Di-, or Orthophosphate)....
" Ferrieyanide (Red Prussiate of Potash)	" Phosphate, highest purity.....
" Ferrocyanide (Yellow Prussiate of	" Potassium Tartrate (Rochelle Salt).....
Potash)	" Silicate (Water or Soluble Glass).....
" Hydroxide (Caustic Potash, Potassa)	" Sulphate (Glauber's Salt).....
stick form	" Sulphide, cryst.
" Hydroxide, sticks, C.P.....	" Sulphite, cryst.
" Hydroxide, C.P. by alcohol.....	" Thiosulphate (Sodium Hyposulphite)....
" Iodide, gran. or cryst.....	Starch, Corn
" Iodide, highest purity.....	" Potato
" Nitrate (Saltpeter, Niter).....	Steel Wool
" Nitrate, U.S.P.	Strontium Chloride
" Nitrite, sticks, highest purity.....	" Nitrate
" Oxalate	" Nitrate, pure
" Perchlorate	Sulphur, Flowers
" Permanganate	Sulphur, Roll (Brimstone).....
" Sodium Tartrate (Sodium Potassium	Talc
Tartrate)	Tannin (Tannic Acid) powd.....
" Sulphate, tech.	Tartar Emetic (Antimony Potassium Tartrate)...
" Sulphate, pure	Thermit
" Sulphocyanide (Thiocyanate or Sulpho-	Tin, sticks
cyanate)	" com. foil
" Tartrate (Soluble Tartar).....	" gran.
" Sulphite	Tin Bichloride (Stannous Chloride).....
Primuline (Polychromine)	" Oxide (Stannic Oxide) (Per, Di).....
Pumice, lumps.....	Tripoli
powd.	Tumeric, powd.
Red Lead (Lead Sesquioxide).....	Tumeric Paper, sheets
Red Precipitate (Mercuric Oxide).....	" " book
Resorcin (Resorcinol)	Turpentine
Rochelle Salts (Sodium Potassium Tartrate)....	Vaseline (Petrolatum)
Rosaniline (Fuchsine)	Water, Distilled
Rosin, yellow	Water Glass (Sodium Silicate) (Egg-saver) liquid
Rouge (Ferric Oxide)	Wax, Bees, yellow.....
Rubber Cement	white.....
Saccharose (Sucrose) Cane Sugar.....	Whiting
Sal Ammoniac (Ammonium Chloride).....	White Lead (Lead Carbonate).....
Saltpeter (Potassium Nitrate).....	Xylol (Xylene)
Shellac, Orange, powd.....	Zinc, dust
Siderite (Ferrous Carbonate).....	" gran., com., mossy.....
Silicon Dioxide (Silica).....	" gran., free from arsenic.....
Silver Bromide	" sheet
" Chloride	" Sticks, C.P.
" Nitrate (Lunar Caustic).....	" wire
" Nitrate, C.P.	" Acetate
" Sulphate	" Carbonate
Soap, Castile	" Chloride
Soda (Sodium Carbonate).....	" Nitrate, pure
Soda Lime (Sodium Hydrate with Lime).....	" Oxide, dry process, tech.....
Sodium Metal	" Oxide, wet process, highest purity.....
" Acetate	" Sulphate (White or Zinc Vitriol).....
" Amalgam	" Sulphide

Extra copies of order blanks mailed on request.

ORDER BLANK—CHEMICAL APPARATUS

To

STANDARD SCIENTIFIC COMPANY
New York.

Please enter our order for the following chemical apparatus:

Ship to.....

Address.....

City..... State.....

Ship via.....

Charge to.....

Send Invoice to.....

Date..... (Signed).....

Position.....

10460	Agate pans, qt.....	1161	Bottles, W.M., with glass stopper, 1 oz....
1930	Alcohol lamp, glass, 3 oz.....4 oz.....	"	" 2 oz.....
1945	" " copper, 4 oz.....	"	" 4 oz.....
95	Asbestos board, 4 x 4.....	"	" 8 oz.....
	5 x 5.....6 x 6 in.....	"	" 16 oz.....
100	" paper, sq. ft.....	"	" 32 oz.....
260	Balance, platform, Harvard trip.....	1286	Bottles, reagent, 4 oz., blown glass labels:
300	Balance, horn pan, 7½" beam.....	HCl.....H2SO4.....HNO3.....	
265	Balance, Stansico Laboratory, 7" beam,	KOH.....NH4OH.....NaOH.....	
	cap. 500 g., sensibility 1 cg.....	Plain (other labels also supplied) doz....	
8852	Battery jars, round, 4 x 5 in.....	1602	Bottle, Woulff, 3 neck, 4 oz.....8 oz.....
	" " 6 x 8 in.....	"	" 16 oz.....32 oz.....
721	Beakers, low form with pour-out, Griffin:	"	" 32 oz.....
	nest of five, 100-500 cc.....	1660	Brushes, long, for tubes, doz.....
721	Beakers, Griffin, nest of seven, 60-800 cc..	3430	Burette clamp, adjustable.....
	" 60 cc.....	1911	Burette funnels.....
	" 90 cc.....	1770	Burette, Mohr's, with attachment, 25 cc....
	" 120 cc.....	"	" 50 cc.....
	" 150 cc.....	"	" 100 cc.....
	" 250 cc.....	1800	Burette, Mohr's, with Geissler stopcock
	" 350 cc.....	"	" 25 cc.....
	" 400 cc.....	"	" 50 cc.....
	" 500 cc.....	"	" 100 cc.....
	" 600 cc.....	1780	Burette, Fresenius, 1/10 cc....25 cc....
	" 800 cc.....	"	50 cc....100 cc.....
	" 1000 cc.....	2090	Burner, Bunsen.....
855	Blowpipe, 8".....10".....	2415	Calcium chloride drying tubes, straight,
2360	Blowpipe tube for Bunsen burner.....	"	one bulb, 4".....5".....6".....
1155	Bottles, N. M., plain, 4 oz.....	2435	Calcium chloride drying tubes, U-form
"	" " 8 oz.....	"	with side tubes, 4".....6".....8".....
"	" " 16 oz.....	2900	Casseroles, with handle, porcelain:
"	" " 32 oz.....	"	.....30 cc.....75 cc.....150cc
1160	Bottles, W.M., plain, 4 oz.....	"	.....210 cc.....375 cc.....500 cc.....750 cc
"	" " 8 oz.....	3355	Chamois skins.....
"	" " 16 oz.....	3360	Charcoal blocks, doz.....
"	" " 32 oz.....	9215	Chemical label book.....
1156	Bottles, N.M., with glass stopper, 1 oz....	3475	Clamp, for condensers.....
"	" 2 oz.....	3495	Clamp, Universal, large.....
"	" 4 oz.....	3510	Clamp-holder or attachment.....
"	" 8 oz.....	3515	Clamp holder, universal.....
"	" 16 oz.....	3585	Cobalt plate, 2 x 2.....2 x 3 in.....
"	" 32 oz.....	3905	Combustion boats, porcelain, glazed.....
		7770c	Combustion tubing, glass, Pyrex, 11 to
			30 mm. diam., lb.....

Extra copies of order blanks mailed on request.

4070	Condensers, Liebig, 12".....	5525a	Distillation attachment for use with any regular flask.....
"	" 15".....	6455	Flasks, volumetric, graduated, with glass stopper: 50 cc.....
"	" 20".....		100 cc..... 500 cc.....
4245	Corks, flat, assorted (give diam. small end).....		250 cc..... 1000 cc.....
4235	Corks, tapering, assorted (give diam. small end).....	6550	Forceps, brass, curved.....
4165	Cork borers, brass, 1-6.....	6575	Forceps, steel.....
4230	Cork screw.....	6610	Funnel, glass, best grade, long tapering stem:
4210	Cork press, lever form.....		2½" diam..... 4" diam.....
4320	Crucibles, Gooch, porcelain, 27 mm., diam.		3" "..... 5" ".....
"	" 35 mm. diam.....		3½" "..... 6" ".....
"	" 40 mm. ".....	6615a	Funnels, less expensive, short stem:
4288	Crucibles, Hessian, sand.....		2½" diam..... 4¾" diam.....
4262	Crucibles, porcelain, with cover glazed:		3¾" "..... 5¾" ".....
	No. 00, diam. 30 mm.....	6730	Funnels, separatory, with glass stopper:
	No. 0, " 35 mm.....		60 cc..... 250 cc.....
	No. 1, " 41 mm.....		125 cc..... 500 cc.....
	No. 2, " 52 mm.....		1000 cc.....
14860	Crucible tongs, double bend.....	6785	Funnel tubes, thistle top.....
4740	Cylinder, glass, 2 x 12".....	6800a	Funnel tubes with safety bend, one bulb..
"	" 3 x 12".....	6800b	" " " " " two bulbs..
"	" 3 x 15".....	7630	Gas measuring tubes, 25 cc x 1/5.....
"	" 3 x 18".....		" 50 cc x 1/5.....
13488a	Deflagrating spoon.....		" 100 cc x 1/5.....
5035a	Desiccator, Scheibler.....	7685	Glass beads, lb.....
1355	Dropping bottle, T-K, 1 oz.....2 oz.....	7696a	Glass cutter.....
N854	Dry cells.....	7740a	Glass rod, ½".....¾".....1".....
5700a	Electrolysis apparatus, with detachable platinum electrodes, ungraduated.....	7750	Glass tubing, ⅞" O.D.....
5705a	Electrolysis apparatus, Hoffmann, graduated, with glass stopcocks, and platinum electrodes.....		" " ¼" ".....
5705d	Iron support for above with binding posts.....		" " ⅜" ".....
5725	Eudiometer, 50 cc.....		" " ½" ".....
	100 cc.....	7701	Glass tube cutter.....
5320	Evaporating dishes, porcelain, glazed.....	7725	Glass plates, 4 x 4".....
	No. 00, 70 mm diam.....		5 x 5".....6 x 6".....
	No. 0, 80 ".....	4705	Graduated cylinders, 50 cc.....
	No. 1, 85 ".....		" " 100 cc.....
	No. 2, 90 ".....		" " 250 cc.....
	No. 3, 100 ".....		" " 500 cc.....
	No. 4, 110 ".....		" " 1000 cc.....
	No. 5, 120 ".....	12810	Horn scoop, 4".....5".....6".....
5865	File, round.....	N340	Horseshoe magnet, 3".....4".....6".....
5870	File, triangular.....	8033b	Hydrometer, light, .700 to 1.000.....
5965	Filter paper, white.....	8026b	" heavy, 1.000 to 2.000.....
	sheets 19 x 19" or 20 x 20".....ream.....	D300	" Universal, .700 to 2.000.....
	packages of 100 circles.....3".....4".....5".....	7470	Kipp's gas generator, 250 cc.....
	" " 100 ".....6".....8".....10".....		500 cc..... 1000 cc.....
6325	Flasks, Florence, flat bottom:	9205	Labels, gummed.....
	30 cc..... 250 cc.....	7993	Lactometer, N. Y. Board of Health.....
	60 cc..... 350 cc.....	3386a	Lamp Chimney, student's.....
	120 cc..... 500 cc.....	5335	Lead dish, 2".....2½".....4".....5".....
	180 cc..... 1000 cc.....	K30	Lens, magnifying, on tripod.....
6328	Flasks, with ring neck, flat bottom, 120 cc.....	8880	Lightning or fruit jars, 1 pt.....1 qt.....
	250 cc.....500 cc.....1000 cc.....		Litmus paper:
6330	Flasks, round bottom, 120 cc.....	9585a	sheets, 8 x 10".....red.....
	250 cc..... 500 cc..... 1000 cc.....		" 8 x 10".....blue.....
6355	Flasks, Erlenmeyer:		" 8 x 10".....neutral.....
	60 cc..... 350 cc.....	9585b	books, 50 strips.....red.....
	120 cc..... 500 cc.....		" 50 ".....blue.....
	180 cc..... 1000 cc.....		" 50 ".....neutral.....
	250 cc.....	9585c	vials, 100 ".....red.....
6425	Flasks, Erlenmeyer, with side tube, 250 cc.....		" 100 ".....blue.....
	500 cc..... 1000 cc.....		" 100 ".....neutral.....
6375	Flasks, Kjeldahl, digestion, 200 cc.....	9580	Litmus pencils, red and blue, combined.....
	500 cc..... 800 cc.....	9642	Matches, safety, doz. boxes.....
6385	Flasks, distillation, round bottom:	10986	Medicine droppers.....
	120 cc..... 500 cc.....	B75	Meter sticks, brass tips.....
	250 cc..... 1000 cc.....		

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10201	Mortar and pestle, porcelain, glazed.....	1425	Specific gravity bottles, adjusted
	No. 0, 70 mm diam.....		50 cc.....
	No. 1, 100 " ".....	13450	Sponges, laboratory, small or large
	No. 2, 126 " ".....	13500	Spoon, horn, with spatula, 4, 5
	No. 3, 140 " ".....		long.....
	No. 4, 160 " ".....	13525	Spoon, sodium, with wood handle
10475	Paper, glazed, white, black or colored....	13550	Stencils for making drawings of
10480	Parchment paper, sq. ft.....	13585	Stirring rods, glass, 6".....8
10535	Pencil for marking glass.....		10".....12" long.....
5345	Petri dish, double, 100 x 10 mm.....	13665	Stopcocks, Geissler, straight, glass
3555	Pinchcock, Hofmann's screw.....		4 mm.....5 mm bore..
3560	" " " with side	13685	Stopcocks, glass, 3-way, 2 mm..4
	opening.....	13745	Stopcock grease, bottle.....
3540	Pinchcock, Mohr's spring, small.....	SA1	Stansiphon (Siphon) automatic
	medium..... large.....		starting: 3/4" diam.....
11000	Pipette, volumetric, 1 cc.....	SA20	Stansiphon, carboy size, with o
	2 cc.....5 cc.....10 cc.....20 cc.....		stopcock.....
11045	Pipette, Mohr's, graduated, 1 cc x 1/10..	SB2	Stansiphon (Siphon) bulb press
	" 2 cc x 1/10.....		3/4" diam. of glass, brass or le
	" 5 cc x 1/10.....	15050	T-tubes for connection, glass...
	" 10 cc x 1/10.....	1655	Test tube brush, bristle end....
11310	Platinum foil, thin, per sq. in.....	1640	" " " sponge end ..
11300	Platinum wire, No. 27, per inch.....	3410	" " clamp, wire form, St
11375	Pneumatic troughs, 7 x 10".....	14155	" " rack, with pins and h
	9 x 12".....11 x 15".....	14265	Test tube on foot, 5 x 3/4"....6
12555	Retorts, glass stoppered:	14260	Test tube with side neck, 5 x
	125 cc..... 350 cc.....		6 x 3/4".....8 x 1"....
	250 cc..... 500 cc.....	14255	Test tubes, 4 x 1/2" gross.....
13827	Ring stand, with 2 rings...with 3 rings..		5 x 3/4" ".....
80	Rubber aprons.....		6 x 3/4" ".....
81	Rubber oversleeves, pair.....		6 x 3/4" ".....
12675	Rubber stoppers (give diam. small end)		7 x 3/4" ".....
	solid.....1 hole.....2 hole.....		8 x 1" ".....
12710	Rubber tubing, red, 1/8".....	14275	Test tubes, ignition, hard glass,
	" 1/4".....		6 x 3/4".....8 x 1" doz...
	" 3/8".....	14300b	Thermometer, single scale, etch
	" 1/2".....		100° C.....
12715	ditto heavy wall, 1/8".....		" -10 to + 200° C
	" 1/4".....	14300c	Thermometer, double scale, etch
	" 3/8".....		" -10 to + 110° C an
	" 1/2".....		" -10 to + 200° C an
12730	Rubber tubing, pressure 1/4".....	14950	Triangles, pipstem.....
	" 1/8".....	15014	Tripod, iron, for support.....
	" 1/4".....	2430	U-tube, 3".....4".....5".....
12700a	Rubber tubing, gum, (red or black) light	1445b	Wash bottle, 250 cc.....500
	wall, 1/8".....	15135	Watch glasses, 2".....3".....4"
	" 1/4".....	15140	Watch glass, Syracuse.....
	" 3/8".....	15220	Water bath, copper, concentric
12700b	ditto heavy wall, 1/8".....		8".....10" diam.....
	" 1/4".....	14240	Wax tapers, pkg.....
	" 3/8".....	415	Weights, brass, 1 cg. to 100 g.
B57	Ruler, 12" and 30 cm, single bevel, box-		with forceps.....
	wood.....	B840	Weights, brass, in block, 1-500
B55	Ruler, 12" and 30 cm, double bevel.....	B841	" " " 1-1000
B56	Ruler, 12" and 30 cm, double bevel, maple	2365	Wing top for Bunsen burner..
12785	Sand baths, shallow, 4".....6" diam.....	15395	Wire gauze, copper, sq. ft.....
12787	" " deep form, 4".....6" diam...	15410	" " iron, 4 x 4.....
A40	Sand paper, doz. sheets.....		5 x 5.....6 x
13215	Spatulas, porcelain, double, 10 cm.....	15425	" " with asbestos cente
	13 cm.....16 cm long.....	16000	Wood splints, pkg.....
13200	Spatulas, horn, double, 4, 5, 6, 8" long..	15053	Y-tubes for connections, glass.
		A1200	"KLING KLAMPS," for
			charts, maps or pictures on
			doz.

Extra copies of order blanks mailed on request.

ORDER BLANK—BIOLOGY

SCIENTIFIC COMPANY

York.

After our order for the following biological supplies:

.....

.....

..... State.....

.....

.....

to.....

..... (Signed).....

..... Position.....

quaria, round, 8".....10".....

12".....15" diam.....

balance, hand, horn pans, 7½ in. beam..

makers, glass, low form with pour-out:

60.... 90.... 120.... 150.... 250....

350.... 500.... 800.... 1000 cc.....

orders, cork, 1-6, set.....

ottle, balsam, 1½ oz.....2 oz.....

ottles, dropping, T.K., 15....30....60 cc..

ottles, N.M., 2.....4.....6.....

8.....16.....32 oz.....

ottles, N.M., with glass stoppers, 2.....

4.....6.....8.....16.....32 oz.....

ottles, W.M., 2.....4.....6.....

8.....16.....32 oz.....

ottles, W.M., with glass stoppers, 2.....

4.....6.....8.....16.....32 oz.....

ox, slide for 25 slides 3 x 1".....

ox, germinating, Ganong, wood frame,

glass front

lowpipe for inflation.....

ristles

rush, test tube

urner, Bunsen

anada Balsam (see list of Chemicals)...

himney, student's lamp

lamp, burette

lamp, test tube, wire.....

orks, flat (specify diam. small end)....

R1123 Cork sheet, 12 x 4 x ¼".....

R1129a Cotton, germinating

R865 Covers, specie, manila, quire, 11 x 17"....

16½ x 24".....

R878 Covers, genus, folded, 12 x 18".....

16½ x 24".....

4705 Cylinder, graduated, 50 cc....125 cc....

Ditto, 250 cc.....500 cc.....

" 1000 cc.....

4740 Cylinders, plain, glass, 2 x 12".....

3 x 12".....3 x 15".....

3 x 18".....3 x 21".....

5320 Dish, evaporating, porcelain, 70....80....

90....100....120 mm diam.....

5345 Dish, petri, with cover, 4 in.....

R700 Dissecting instruments, scalpel, forceps,

scissors, needle holder, in case.....

6325 Flask, Florence, 60 cc....125 cc....

Ditto, 250 cc....500 cc....1000 cc....

R788a Forceps, bone cutting

R651 Forceps, cover glass

R780 Forceps, narrow points—a (curved).....

b (straight)

6610 Funnels, glass, long stem, 2½" diam....

Ditto, 3".....4".....

" 3½".....5".....

6615 Funnels, glass, short stem, cheaper, 2½"....

Ditto, 3¾".....4¾".....5¾".....

" 5½".....7½".....

6785 Funnel tube, thistle top, 10"....12"....

15410 Gauge, wire, iron, 5 x 5"....6 x 6"....

7750 Glass tubing, ¼".....½".....¾".....

½".....¾".....1" diam.....

orks, tapering " " " "

Extra copies of order blanks mailed on request.

R660	Glasses, cover, $\frac{3}{4}$ " square.....	R870	Plant press, with straps, 6 driers.....
R662	Glasses, cover, $\frac{3}{4}$ " round.....	11310	Platinum foil, thin, sq. in.....
R845	Hone, for sharpening.....	R835	Razor for sectioning.....
8850	Jars, battery, 4 x 5".....6 x 8".....	12710	Rubber tubing, red, $\frac{3}{8}$ ".....ft.....
765	Jar, bell, open top, $6\frac{1}{2}$ x 11".....7 x 15".....		$\frac{1}{8}$ "..... $\frac{1}{4}$ "..... $\frac{3}{8}$ ".....ft.....
8880	Jars, fruit, screw top, 1 pt..1 qt..2 qts..	R789	Saw, bone.....
R688	Labels, for slides, box of 100.....	B600	Scale, trip, square pans, grad. arm and rider.....
1930	Lamp, alcohol, glass, 3 oz.....4 oz.....	R750	Scalpel.....
1945	Lamp, alcohol, copper, 4 oz.....	R790	Scissors, straight, fine points.....
R560	Lens, Coddington magnifying, 10X.....	R792c	Scissors, curved, fine points.....
K30	Lens, magnifying, tripod.....	12670	Sheet, rubber, sq. ft.....oz.....
R825	Lifter, section.....	R680	Slides, microscope, 3 x 1", gross...doz...
R130	Microscope, compound, F4.....	R685	" with concave center, doz.....
		13827	Stand, ring, with 2....3....4 rings....
R500	Microscope, dissecting, Barnes.....	R640	Sterilizer, Arnold steam, copper bottom, 10 $\frac{1}{2}$ ".....12 $\frac{1}{2}$ " diam.....
		13585	Stirring rod, glass, 6"....8"....10"....
R1200	Mounts, Riker specimen:	12675	Stoppers, rubber, solid, one or two holes (specify diam. small end).....
	2 $\frac{1}{4}$ " x 3".....4 x 5".....		
	5 x 6".....6 $\frac{1}{2}$ x 8 $\frac{1}{2}$ ".....8 x 12".....		
R1201	Ditto, botanical (same sizes).....	14255	Test tubes, 4 x $\frac{1}{2}$ "...5 x $\frac{3}{8}$ "...6 x $\frac{1}{4}$ "... 6 x $\frac{3}{4}$ ".....7 x $\frac{3}{8}$ ".....8 x 1"..... doz. or gross.....
R730	Needles, dissecting, doz.....	14300c	Thermometer, chemical, double scale, 0-100° C. and 212° F.....
R731	" " bone handle, adjustable.....	R860	Vasculum.....
10400a	Oven, drying, single wall, 6 x 8".....	15135	Watch glass, 2"....3"....4" diam...doz...
	8 x 10".....10 x 12".....	15140	Watch glass, Syracuse.....
10400b	Oven, drying, double wall, 6 x 8".....	B840	Weights, brass, in block, 1-500 g..... 1000 g.....
	8 x 10".....10 x 12".....	415	Weights, metric, in block, 1 cg. to 50 g... 100 g.....500 g.....
R882	Pan, dissecting, wax lined.....	A1200	"Kling-Klamps" for supporting charts, maps, pictures, etc., from wall...doz. \$3.00
R862	Paper, spore, black, quire.....		
R868	" paraffined, 12 x 18", quire.....		
R876	" drying, 12 x 18", quire.....		
R879	" mounting, 11 x 16 $\frac{1}{4}$ ", white, quire.....		
5965	" filter, white.....3"....4".... 5"....6"....7"....8"....		
R850	Pins, insect, white.....		
R851	" " black.....		
3540	Pinchcock, Mohr's spring.....		
3555	" Hofmann's screw.....		
R837	Pith, in sticks, for making sections.....		

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ADDENDA

A1505	Universal Spring Holder (Patented), an excellent clamp for the chemical laboratory. holds cylindrical objects such as burettes, thermometers, etc., up to 45 mm diam.:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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Size, inches	8x10½	8x10½	5¼x8	5¼x8	4¼x7	4¼x7
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