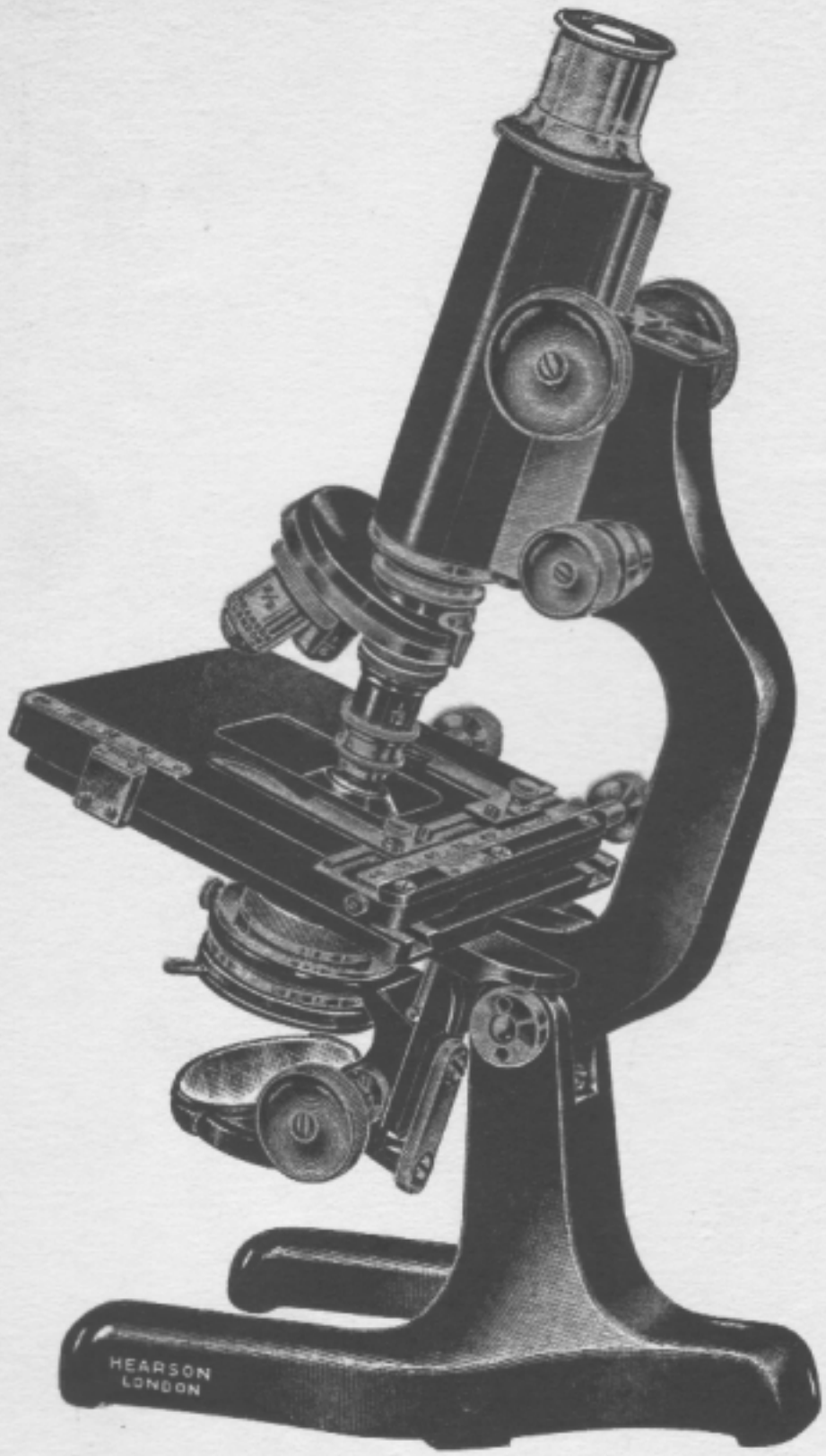


HEARSON

THE

HEARSON MICROSCOPE

CHARLES HEARSON & COMPANY LIMITED

Scientific Apparatus Manufacturers

Optical and Demonstration Showroom—
27, MORTIMER STREET, LONDON, W.1.
Telephone: Museum 2239.

Factory and Offices—
HOPE WORKS, WILLOW WALK, LONDON, S.E.1.
Telephone: Bermondsey 1331, 1332.

Foreword

HEARSON MICROSCOPES

THE several types of Hearson Microscopes as presented in this list have firmly established themselves in the existing field of British made instruments.

Owing to the exceedingly favourable reception which the Microscopes have received it has been necessary to considerably enlarge our manufacturing facilities in order to meet the created and ever increasing demand.

Every detail in the Hearson instruments is precision finished; they incorporate the best features known in Microscope practice and challenge comparison with much higher priced instruments similarly equipped. In consequence they are offered to the student or research worker as Microscopes which will satisfactorily meet exacting requirements and, moreover, bear the closest investigation as to optical performance and capacity to withstand hard wear.

Our design feature is worth consideration. The Hearson Microscope is constructed in what can be described as "simple chassis form," but with R.M.S. standard threads and tube diameters enabling optical equipment and accessories to be added as required, thus building up from an inexpensive student form to a complete research instrument.

THE LIST

This is issued in abridged form. It deals primarily with the Hearson Microscope, but it also includes a few selected items from our complete range of accessory apparatus for microscopy and histology.

Our West-End optical branch—27 Mortimer Street, W.1—holds a very complete and representative stock of microscopy sundries. All leading makes of Microscopes are stocked and demonstration benches permit the trying out of any instrument under all light characters.

We also carry an extensive range of optical equipment, Polarimeters, Colorimeters, Projection and Microphotographic apparatus, Epidiascopes and, for the latter, special screens are available for making projection tests.

THE HEARSON CATALOGUE

"GENERAL AND INDUSTRIAL LABORATORY APPARATUS."

A very comprehensive and fully illustrated catalogue describing Hearson temperature controlled and other equipment for all the Biological Sciences.

INCUBATORS, 37° C.	PARAFFIN OVENS	VACCINE BATHS
COOL CABINETS	PARAFFIN BATHS	INSPISSATORS
DRYING OVENS	VACUUM EMBEDDERS	AUTOCLAVES
STERILIZERS	WASSERMANN BATHS	CENTRIFUGES

A copy of the Catalogue sent on request, post free.

HEARSON MICROSCOPE

Model MS.VI

THE instrument has primarily been designed for Medical Student use, and also for the laboratories of Schools, Technical Institutes and Colleges; it also has wide application for Industrial use. Although the MS.VI is presented in simple and inexpensive form it embodies the best features in Microscope practice, and all essential details such as racks and pinions, coarse and fine adjustments are made and fitted with precision accuracy. The body tube carries the standard R.M.S. thread and the condenser sleeve is of R.M.S. diameter, enabling additional optical equipment to be added when using the microscope for advanced or research work.

SPECIFICATION—MS.VI

Stand inclinable through 90°—stable in all positions. Double coarse and double fine focusing. Square stage $4\frac{1}{4}'' \times 4.''$ Spirally operated condenser sleeve. Plain and concave mirror. Body finish in hard matt black enamel, milled heads and metal mountings in silver bronze.

The instrument can be supplied with following equipment :—

		£	s.	d.
M 100.	MS.VI. Large Abbe Condenser, N.A. 1.20, with iris, Triple revolving dustproof nose-piece; objectives 2/3 N.A. 0.28, 1/6 N.A. 0.85. Oculars II (5×) and IV (10×). Complete in oak case	**12**	**17**	**6**
M 101.	MS.VI. Large Abbe Condenser N.A. 1.20, with iris; Double revolving dustproof nose-piece; objectives 2/3 N.A. 0.28, 1/6 N.A. 0.85; Oculars II (5×) and IV (10×). Complete in oak case	**12**	**12**	**6**
M 102.	MS.VI. Double revolving dustproof nose-piece; objectives 2/3 N.A. 0.28, 1/6 N.A. 0.85. Oculars II (5×) and IV (10×). Complete in oak case	**11**	**12**	**6**

EXTRAS—

Draw tube	**10**	**6**
Spiral screw sub-stage instead of spiral sleeve and lever piece	**19**	**6**

Either of the mechanical stages MS.25 or MS.50 can be fitted to the MS.VI stage.

HEARSON MICROSCOPE

Model MS.VI

HEARSON MICROSCOPE

Model MS.VII

A HIGH grade and hard wearing instrument for the general requirements of both Medical and Industrial Laboratories. The instrument design has been carefully developed and minute care is exercised in supervising the manufacture of all the intricate precision work. Further, the MS.VII possesses constructive features such as are found only in high priced microscopes. Built to R.M.S. standards the Hearson MS.VII can be optically equipped as required, either as a simple and inexpensive instrument for student or routine worker use, or as a complete research Microscope.

SPECIFICATION—M.S.VII

Heavy stand inclinable through 90°—perfect stability. Double coarse and double fine focusing. Rack and pinion sub-stage. Large vulcanite covered metal stage $4\frac{7}{8} \times 4\frac{3}{4}$ with clips. Mirror, 2" plain and concave. Body finish in matt black enamel with metal mountings, pinion heads, etc. in silver bronze.

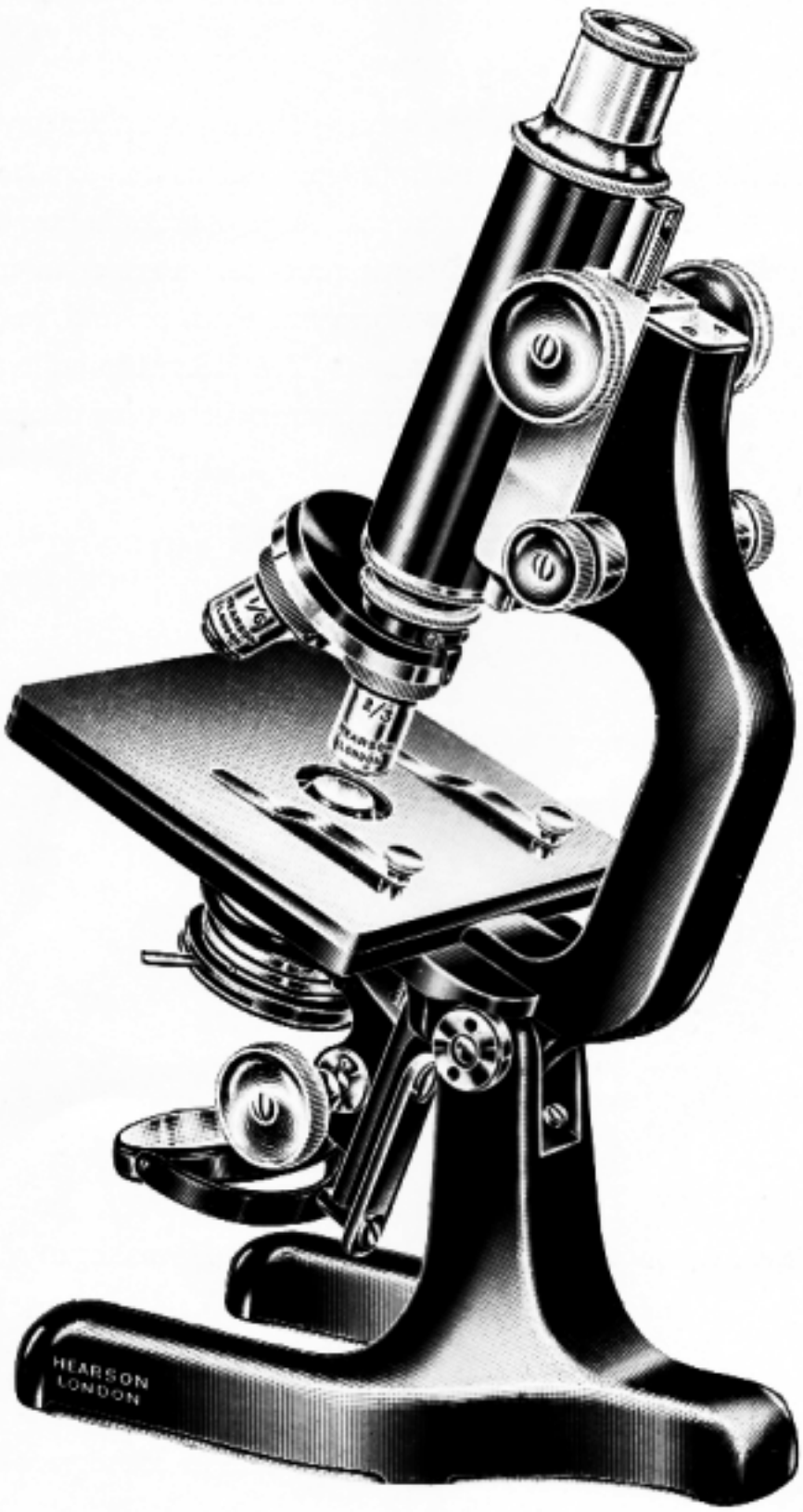
Large Abbe condenser N.A. 1.20, with iris ;
Triple nosepiece—dustproof ;
Objectives 2/3 N.A. 0.28, 1/6 N.A. 0.85 ;
Oculars II (5×), IV (10×).

		£	s.	d.
M 103	MS.VII Stand, as illustrated, with rack and pinion sub-stage and optical equipment as above. Complete in mahogany case ..	**16**	**10**	**0**
M 104	MS.VII Stand, as illustrated, with spiral screw operated sub-stage and optical equipment as above. Complete in mahogany case	**15**	**10**	**0**
	1/12th oil immersion lens N.A. 1.30, for either above outfit, extra	**3**	**15**	**0**

For mechanical stages to fit MS.VII, see page 14.

HEARSON MICROSCOPE

Model MS.VII



HEARSON MICROSCOPE

Model MS.VIII

WITH BUILT-IN MECHANICAL STAGE

THE MS.VIII is a complete instrument embodying the essential features for exacting research work. All the principles adopted in the fine and coarse focusing movements, and the design of the sub-stage and mechanical stage operations are those accepted as being the most efficient in modern microscope practice. Perfect in mechanical and optical construction the MS.VIII will put up a performance equal to, and, in cases, excelling that obtained from much higher priced instruments. The MS.VIII is built as a high duty Microscope and will give lasting service ; it possesses, moreover, a very pleasing appearance.

SPECIFICATION—MS.VIII

Heavy Stand, inclinable through 90°—perfectly stable in all positions. Double fine and double coarse focusing, metal stage $4\frac{5}{8} \times 4\frac{7}{8}$, with 60 mm. horizontal and 40 mm. lateral travel. Vernier reads 0.01mm. Clamping device on lateral spindle to prevent stage movement when stand is inclined. Rack and pinion sub-stage. Mirror, 2" plain and concave.

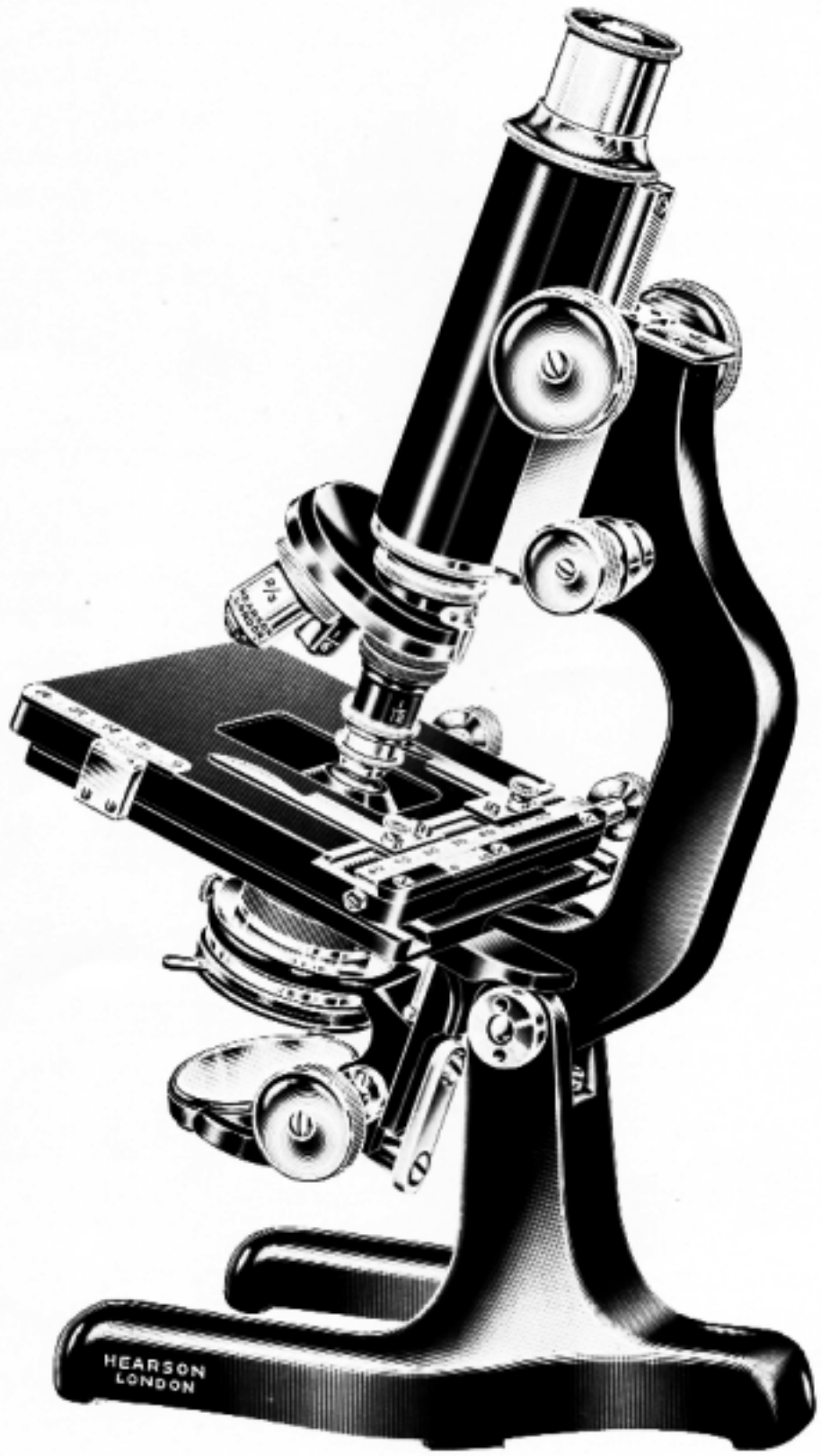
Large Abbe condenser N.A. 1.20, with iris ;
Triple nose-piece dustproof ;
Objectives 2/3 N.A. 0.28, 1/6 N.A. 0.85.
Oculars II (5×) and IV (10×).

		£	s.	d.
M 105	MS.VIII Stand, as illustrated, with large rack and pinion sub-stage and optical equipment as above. Complete in mahogany case	**24**	**15**	**0**
M 106	MS.VIII Stand, as illustrated, with spiral screw operated sub-stage and optical equipment as above. Complete in mahogany case	**22**	**5**	**0**
	1/12 oil immersion lens N.A. 1.30, for either above outfit, extra	**3**	**15**	**0**

HEARSON MICROSCOPE

Model MS.VIII

WITH BUILT-IN MECHANICAL STAGE



HEARSON MICROSCOPE

Model MS.x

AN instrument with new feature in fine focusing and one which will have special appeal to the operator whose work demands continuous observation at the eye-piece. The fine focusing screw, usually on the limb, is replaced with a screw ring round the stage edge and which, when turned, operates on a micrometrically threaded sleeve. Preliminary coarse focusing is performed in the usual way, but fine focusing is done by turning the stage ring which positively and very delicately moves the stage, together with the condenser and object under examination, either away or towards the objective. An exceedingly fine focusing control is possible, moreover the worker's arms rest on the bench during this operation, thus eliminating fatigue. All the characteristics of the Standard Hearson Microscope, stand stability, accurate precision detail, good workmanship, etc. are exhibited in the MS.x.

SPECIFICATION—MS.x

Stand, inclinable 90°—stable in all positions. Double coarse focusing. Stage ring fine focusing, circular stage with clips. Condenser sleeve with iris, mirror concave and plain. Built with R.M.S. tube threads and condenser sleeve diameter. Body finished in hard black enamel with metal mountings.

		£	s.	d.
M 107	MS.x Stand, as illustrated, large Abbe condenser, N.A. 1.20, with iris; triple nose-piece, dustproof; objectives 2/3 N.A. 0.28, 1/6 N.A. 0.85; oculars II (5×), IV (10×) ..	**12**	**7**	**6**
M 108	MS.x Outfit, as above, but with double nose-piece	**12**	**2**	**6**
M 109	MS.x Outfit, as above, but less optical part of condenser, but including iris diaphragm. Triple nose-piece	**11**	**7**	**6**
M 110	MS.x Outfit, as above, but less optical part of condenser, but including iris diaphragm. Double nose-piece	**11**	**2**	**6**

A polished oak case, with lock and key, is included with all the above outfits. A deduction of 10/- allowed on each outfit if case is not required.

	The Hearson mechanical stage, MS.25, can be fitted to the MS.x Microscope	**2**	**5**	**0**

HEARSON MICROSCOPE

Model MS.x

HEARSON MICROSCOPE

Metallurgical Model MS.xx

HEARSON'S association with the supply of large metallurgical equipment is well known. The small model MS.xx has been developed as the outcome of repeated demand for a sturdy robust instrument for student or laboratory purpose. Special attention is directed to the massive and accurately machined dove-tailed slide which guides the stage movement through rack and pinion; there is perfect rigidity in all positions. Where abnormally heavy specimens are under investigation the stage can be locked by means of a clamping screw and split collar on the pinion spindle. There is a working distance of $6\frac{1}{4}''$ between stage top and illuminator.

SPECIFICATION—MS.xx

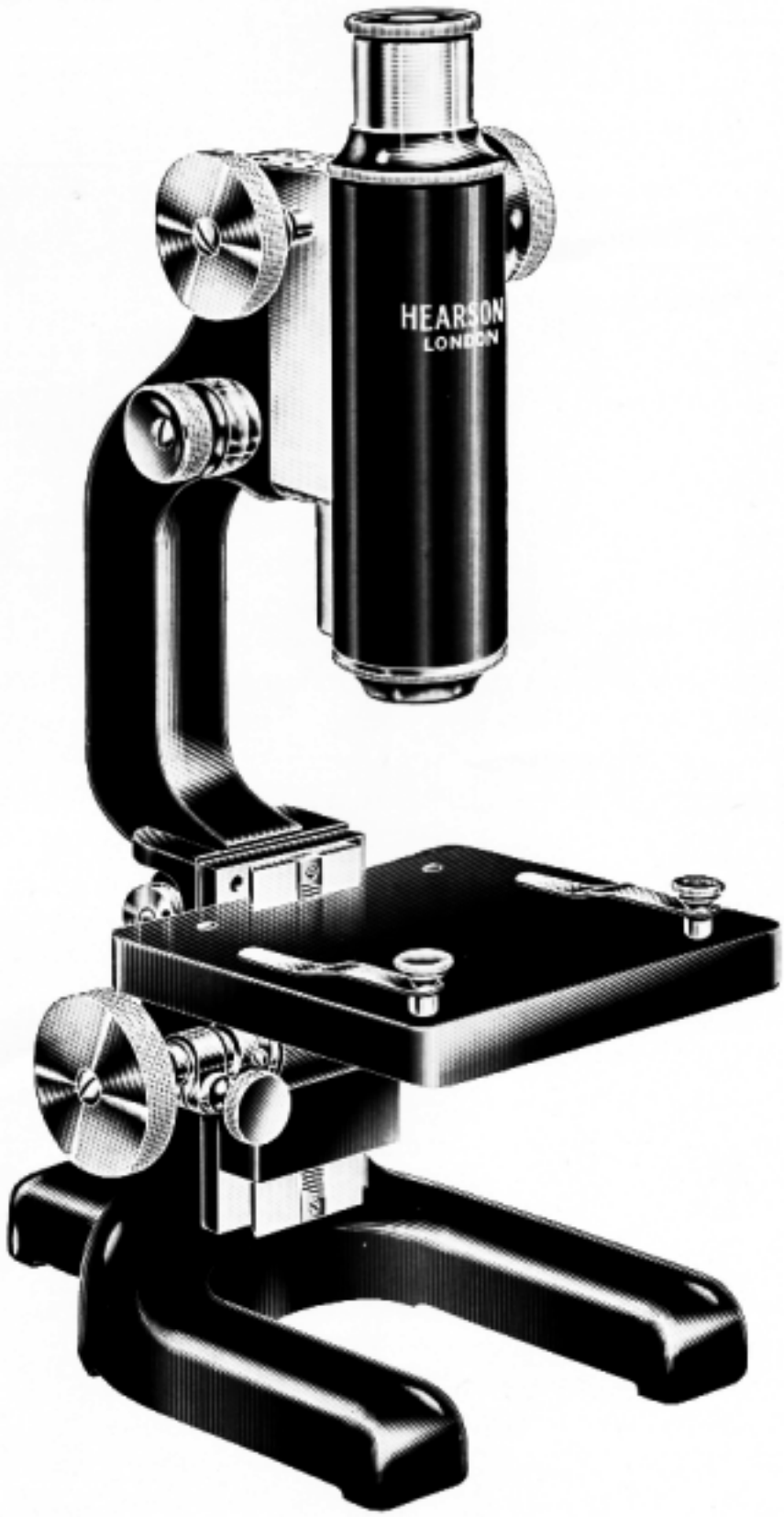
Heavy Stand, inclinable. Draw tube; double coarse and double fine focusing. Metal stage, $4'' \times 4''$, with clips. Rack and pinion for stage movement; stage clamping device. Finish, dull black enamel, metal parts silver bronze.

		£	s.	d.
M 111	MS.xx, to above specification, complete in mahogany case ..	**12**	**0**	**0**
M 112	Simple oblique illuminator, with plain glass plate and silvered reflector	**1**	**5**	**0**

Any type of illuminator can be fitted to the instrument.
Price on application.

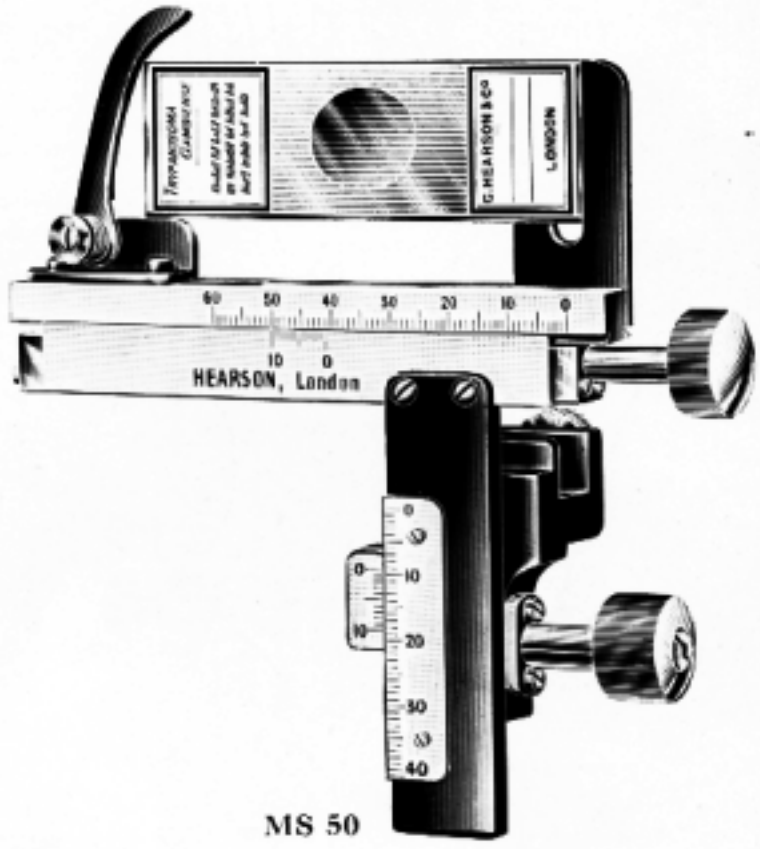
HEARSON MICROSCOPE

Metallurgical Model MS.xx



HEARSON MECHANICAL STAGES

MS 25



MS 50

M 113 MS.25 **Mechanical Stage.**

A recently developed design of simpler form than MS.50, and a very useful stage for general exploration purposes, blood counts and bacteriological work. Plenty of travel is available both in the horizontal and lateral direction, and adjustment for the former is by solid steel spindle thread, and for the latter by rack and pinion. The stage is accurately finished in all detail and perfectly smooth in action. .. .. **£ s. d. 2 15 0**

The MS.25 will fit all new Hearson Microscopes as the stages are drilled and tapped to receive the fixing screw. Earlier models will be drilled and tapped free of charge. It is necessary to return only the stage for this purpose. The stage can be adapted to fit any microscope stage—charge for this work, 2/6.

M 114 MS.50 **Mechanical Stage.**

For attachment to Hearson Microscopes MS.1, MS.II, MS.VI, and MS.VII by means of single clamping screw. The MS.50 stage will also fit other makes of microscopes with square stages free from projections on the edge adjacent to the limb. The movements are by rack and pinion for the lateral direction of 40 mm. and by solid steel spindle thread for the horizontal traverse of 60 mm. Vernier reading to 0.1 mm. Carefully constructed with perfectly smooth action and freedom from backlash **5 10 0**

HEARSON MICROSCOPE LAMPS

No. M 1

No. M 1. A well made inexpensive lamp. Well ventilated metal housing, the exterior being finished in crystal black. The electric bulb is easily accessible for removal or cleaning purposes. Position of bulb fitting is arranged so as to take a standard bulb and give maximum illumination. An excellent lamp for general laboratory bench use, Histology Classes, etc.

Complete with Fullolite bulb, flexible lead, plug adaptor, or wall plug, at option.

Price 12/6

Special price for quantity of 12 lamps.

Please state voltage of electricity supply.

No. M 2. A solidly constructed lamp, the metal housing being attached to a heavy cast metal base. A frosted Chances daylight glass in conjunction with a clear bulb, produces a strong diffused light, possessing a close approximation to **actual daylight.** Bulb filament cannot be projected so as to cause interference.

Exterior of lamp body finished in crystal black. Complete as specified, with bulb, flexible lead, plug adaptor, or wall plug, at option.

Price 21/-

Please state voltage of electricity supply.

No. M 2

No. M 3

No. M 3. A very serviceable bench lamp, fitted with adjustable light hood. Special daylight filter glass is fitted into the sliding groove, and with a Fullolite bulb the working light is of a very pleasing and efficient character.

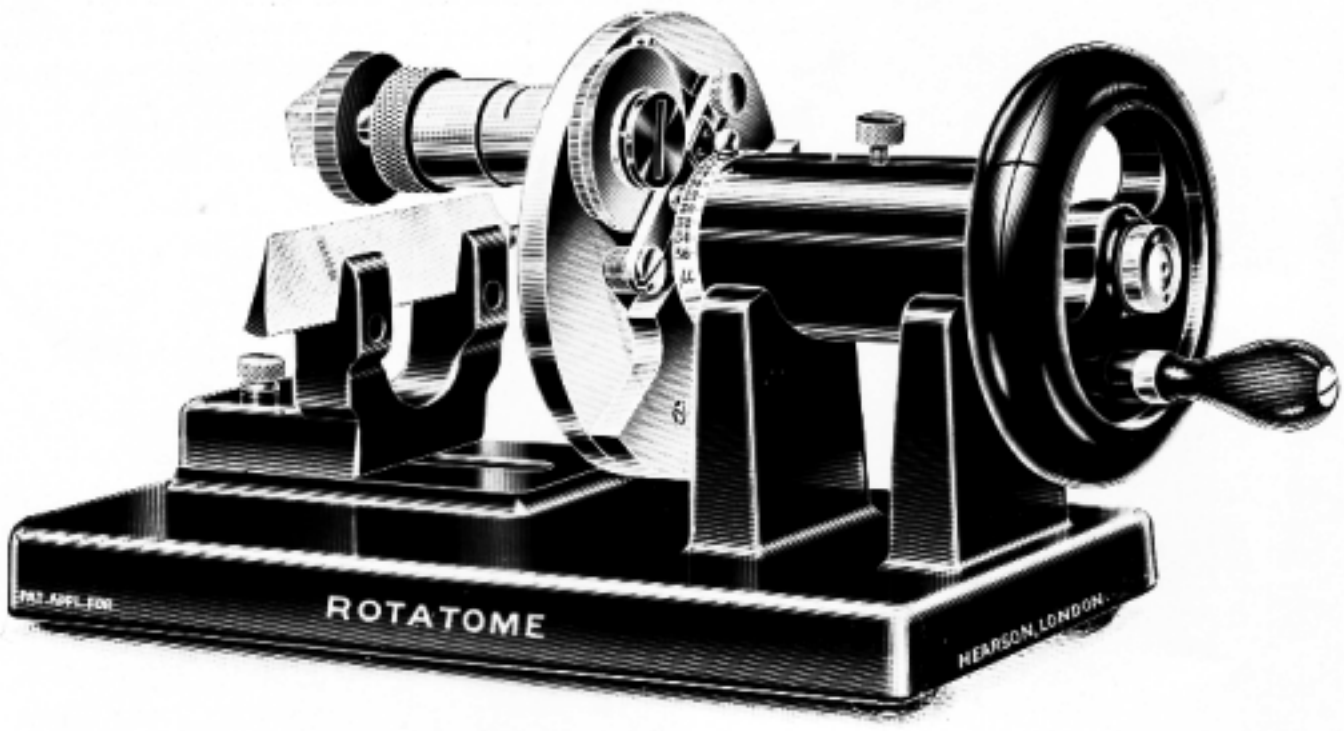
Exterior of lamp body finished in crystal black. Complete, as specified, with Fullolite bulb, flexible lead, plug adaptor or wall plug.

Price 18/6

Please state voltage of electricity supply.

HEARSON ROTATOME

Patent No. 13597/32



THE Hearson ROTATOME is a microtome of entirely new design and possesses features of outstanding character. Although rotary in action the Rotatome exhibits a radical departure from the "cutting principles" as operating in the usual forms of rotary microtomes.

In the Rotatome all the rotor system, which revolves in phosphor bronze bearings, is in balance and in operation the paraffin or other section is carried in a circular path past the knife to experience—without vibration or sudden jar—a perfect cutting action. The ratchet mechanism is entirely novel and provides an improved method for feeding the object; an adjustable cam permits absolute accuracy in setting for regular section thickness.

SPECIAL FEATURES OF THE ROTATOME

Section Thickness. In steps of 2 microns up to 36, by setting of scale and index. Single or ribbon sections can be cut.

Feed Mechanism. Automatic in action and it can be interrupted at any pre-determined position; it ceases to feed at the end of travel. A clutch release permits quick return at end of excursion. Pawl and ratchet are disengaged thus excluding undue wear.

Object Holder. Adjustable for orientation. Object holders of various sizes and interchangeable.

Knife Block. Adjustable toward and away from object. An eccentric pin swings the block about a vertical pivot to adjust the knife for cutting uniform section thickness.

Knife Clamp. Two jaws each with a pair of setting screws for clamping and adjusting knife to correct cutting angle.

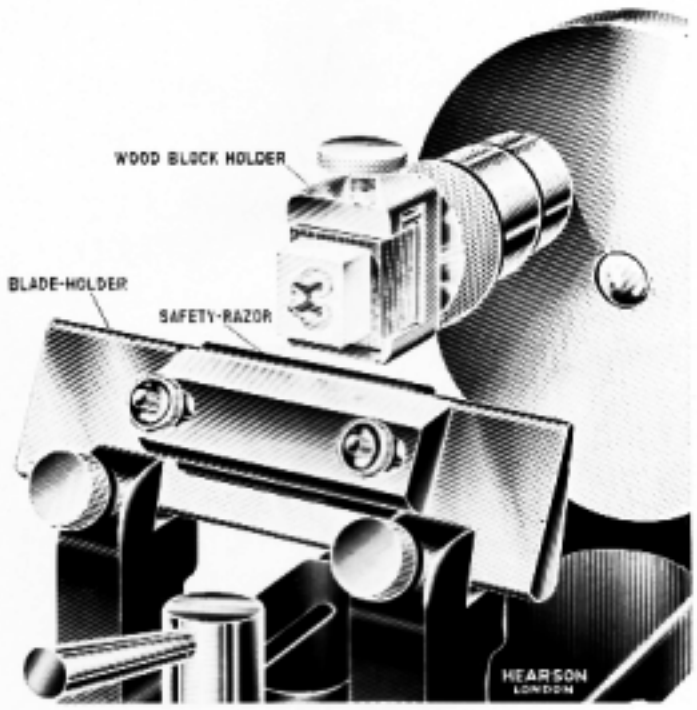
General Finish. Metal parts dull plated. Base, bearing brackets and wheel bright stoved hard black enamel.

Total weight of Rotatome, 34 pounds.

£18 : 10 : 0

For Rotatome Accessories, see next page.

ACCESSORIES FOR
HEARSON ROTATOME



		£	s.	d.
M 115	Wood block holder and six hard wood blocks—See illustration . .		**15**	**0**
M 116	Razor blade holder for Gillette or similar type safety razor blade—See illustration		**15**	**0**
M 117	Spare hard wood blocks . . . . . per doz.		**2**	**0**

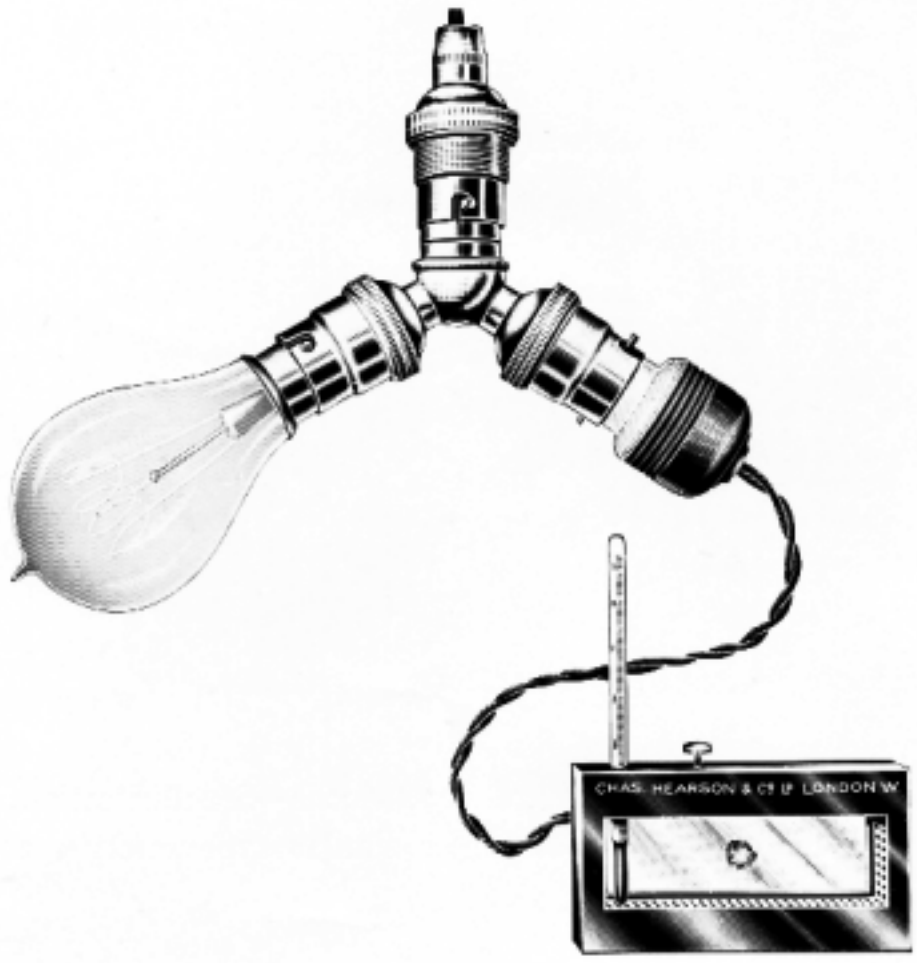
MICROTOME KNIVES, etc.

M 118	Microtome knife with solid steel handle, Heiffer type—Sheffield made . . . . . each		**3**	**6**
M 119	Jung Pattern knife, length 8 cm.	**1**	**4**	**0**
M 120	,, ,, ,, ,, 10 cm.	**1**	**6**	**0**
M 121	,, ,, ,, ,, 12 cm.	**1**	**12**	**0**
M 122	Knife handle for Jung pattern knife		**8**	**6**
M 123	Bevel or knife backs, length 8 cm.		**4**	**0**
M 124	,, ,, ,, ,, ,, 10 cm.		**4**	**0**
M 125	,, ,, ,, ,, ,, 12 cm.		**5**	**6**
M 126	Strop, simple leather, solid		**2**	**0**
M 127	,, ,, ,, sprung		**3**	**0**
M 128	,, Carborundum, hanging		**6**	**0**

We stock all types and makes of Microtomes :—
Cambridge rocker, Reichert Freezing, Sledge and Rotary, Spencer, etc.

HEARSON ELECTRIC INCUBATOR

Electrically heated and temperature controlled
warm stage for the microscope



No. 7155

A SELF-CONTAINED miniature Incubator, complete in every detail with heating element, thermometer, and fitted with an exceedingly sensitive thermostat which will automatically maintain a constant temperature as long as the electric current is on. The apparatus can be adjusted for any temperature between 80° F. and 110° F.; it fits between the fingers of the mechanical stage, or it can be placed directly on the Microscope stage.

With this warm stage micro-organisms requiring blood heat temperature of 37° C. for maintaining motility can be examined. It can be used with advantage in the Widal test for Typhoid and for observations of plant micro-organisms such as bacteria and yeasts in a hanging drop, also for investigations on malarial parasites, trypanosomes and amoeba, etc.

The Incubator will work from the lighting circuit and operates equally well on direct or alternating current.

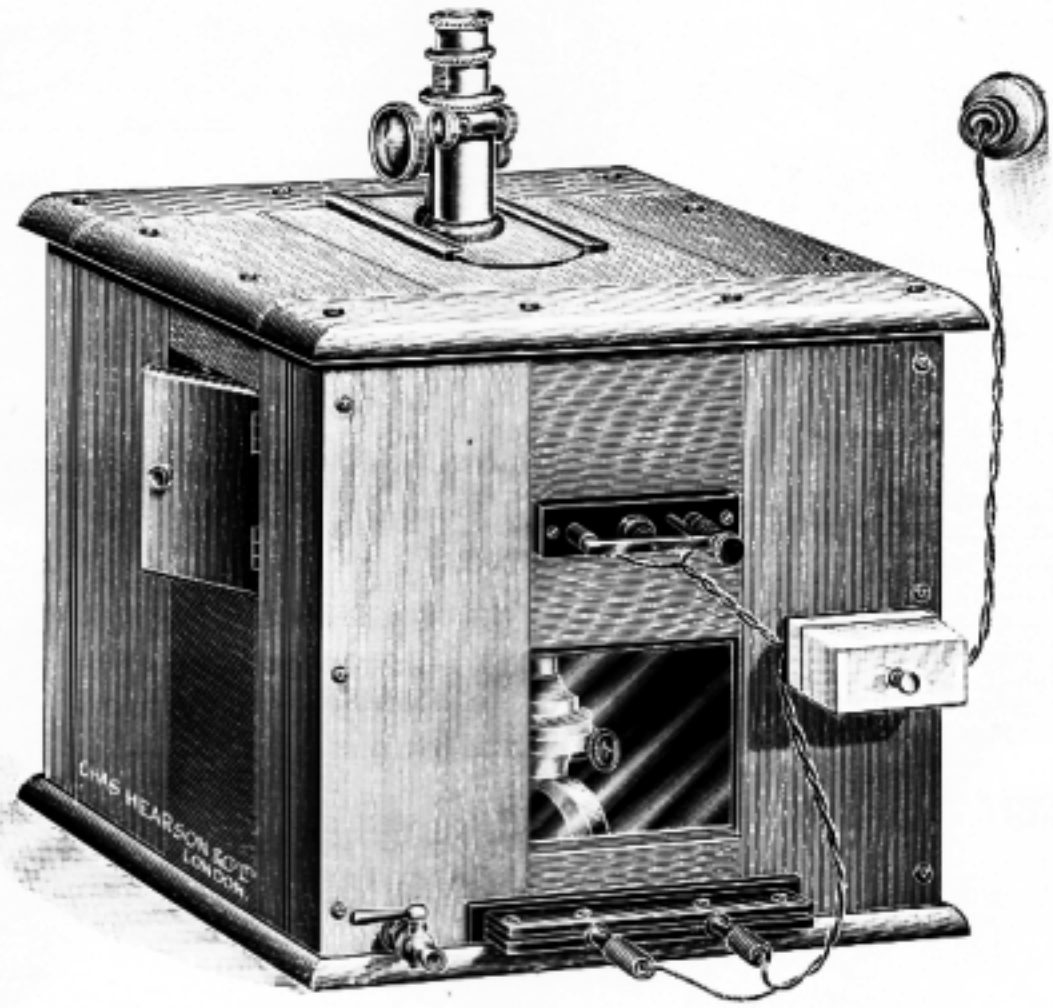
Fullest instructions regarding the operation and care of the warm stage are sent out with the apparatus.

		£ s. d.
M 129	Warm Stage, complete with Carbon resistance lamp, lamp plug and lead, thermometer and mica accessories. Complete in box	**3 13 6**

Please state voltage when ordering.

HEARSON
MICROSCOPE INCUBATOR

Electrically heated and temperature controlled



THE Incubator, as illustrated, is one of the many types which we manufacture. It has been primarily designed for making investigations with the microscope on specimens, living tissues, etc. which demand a condition of uniform temperature. The apparatus consists of an insulated double walled copper water tank electrically heated with a slip-in heater. The water circulates and a gentle and even distribution of heat is effected throughout the whole cabinet interior. A Hearson sensitive capsule combined with an adjustable make-and-break contact switch controls the temperature within fine limits. The cabinet is so constructed as to permit easy insertion of the microscope. Side doors allow easy access to the microscope stage and optical system. Focusing operations are performed outside the Incubator.

We have supplied cabinets for practically all makes and types of Microscopes. With the addition of an auxiliary Cooling device, temperatures as low as 38° Fahrenheit can be maintained.

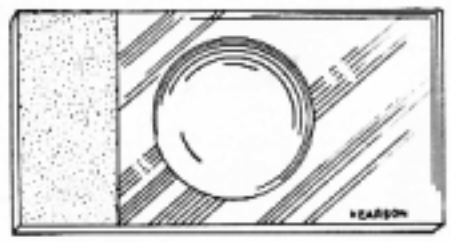
Full specification and prices submitted on receipt of requirements and particulars of Microscope.

Please state current and voltage when ordering.

MICROSCOPICAL ACCESSORIES

M 130-138

M 144-149



M 142-143

MICROSCOPE SLIDES

			1 Gross	10 Gross	25 Gross	100 Gross	
M 130	**Half white,** cut edges (these edges are beautifully cut and quite smooth) ..	3 × 1″	**2/6**	**2/5**	**2/4**	**2/2**	per gross
M 131	**Half white,** ground edges (ordinary quality)	3 × 1″	**2/9**	**2/7**	**2/5**	**2/3**	,,
M 132	**Thin half white,** ground edges.. ..	3 × 1″	**3/3**	**3/1**	**2/11**	**2/9**	,,
M 132a	Extra thin, half white, ground edges ..	3 × 1″	**4/–**	**3/10**	**3/8**	**3/6**	,,
M 133	Best quality, half white, ground edges ..	3 × 1″	**4/6**	**4/4**	**4/2**	**4/–**	,,
M 134	Best quality, white crystal, ground edges	3 × 1″	**5/–**	**4/10**	**4/8**	**4/6**	,,
M 135	**Half white,** ground edges (ordinary quality)	3 × 1½″	**5/–**	per gross			
M 136	**Half white,** thin quality	3 × 1½″	**5/6**	,,			
M 137	**Half white,** extra thin quality ..	3 × 1 19/32″	**6/6**	,,			
M 138	**Half white,** ground edges	3 × 2″	**8/–**	,,			

All our slides are packed in half-gross boxes.

KAVITY SLIDES

M 139	Slides with one cavity	3 × 1″	**1/6** per doz.
M 140	Slides with two cavities	3 × 1″	**2/3** ,,
M 141	Slides with three cavities	3 × 1″	**3/–** ,,
M 142	Slides for special researches, with extra deep cavity and frosted end	3 × 1″	**2/6** ,,
M 143	Slides ditto ditto	3 × 1½″	**4/6** ,,

COVER GLASSES—Cut to any size

		Per ounce	In 10 oz. lots
M 144	No. 1, square or rectangular	**4/6**	**4/–** per oz.
M 145	No. 1, circles	**5/–**	**4/6** ,,
M 146	No. 2, square or rectangular	**3/9**	**3/6** ,,
M 147	No. 2, circles	**4/6**	**4/3** ,,
M 148	No. 3, square or rectangular	**3/–**	**2/9** ,,
M 149	No. 3, circles	**3/6**	**3/3** ,,
		Each	Per doz.
M 150	**Haemocytometer Cover Glasses**	**9d.**	**8/–**

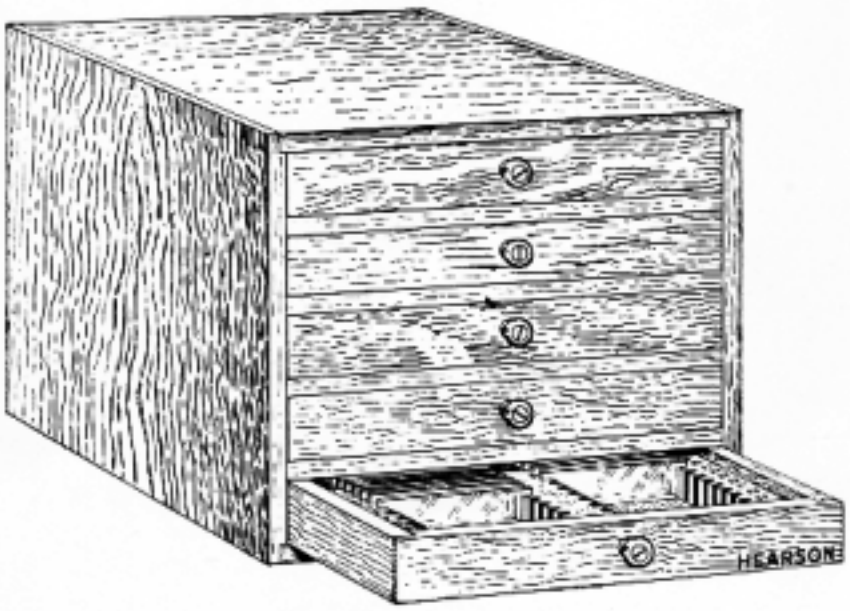
When ordering Cover Glasses, please specify size.

M 151	**Grease Pencils,** for writing on glass (red, green, blue, white or yellow	**4d.**	**3/9**
M 152	**Writing Diamonds**	**7/6**	—
M 153	**Slide Labels**	Per packet **6d.**	

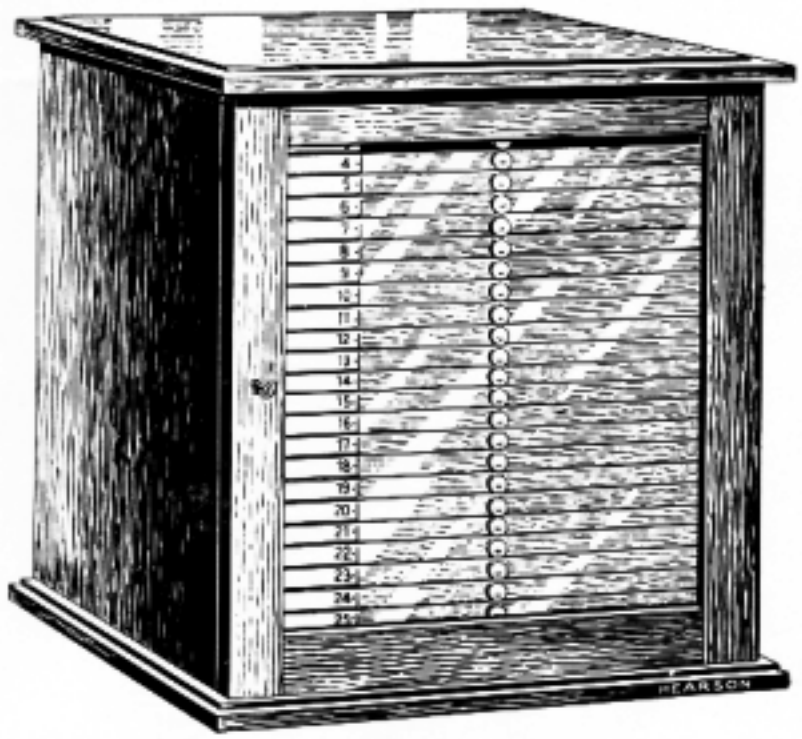
EYEPIECE MICROMETERS, STAGE MICROMETERS, etc.

		£ s. d.
M 154	**Eyepiece Micrometer,** 10 mm., divided into 100 parts, to drop into eyepiece	**£0 10 0**
M 155	**Step Eyepiece Micrometer,** 10 mm., divided into 100 parts ..	**0 12 6**
M 156	**Eyepiece Micrometer,** 10 mm., divided into one hundred 1 mm. squares	**0 10 0**
M 157	**Ditto,** divided into four hundred 1/2 mm. squares	**0 10 0**
M 158	**Stage Micrometer** on 3″ × 1″ slide, 2 mm., divided into 200 parts	**0 12 0**

MICROSCOPE SLIDE CABINETS



M 159



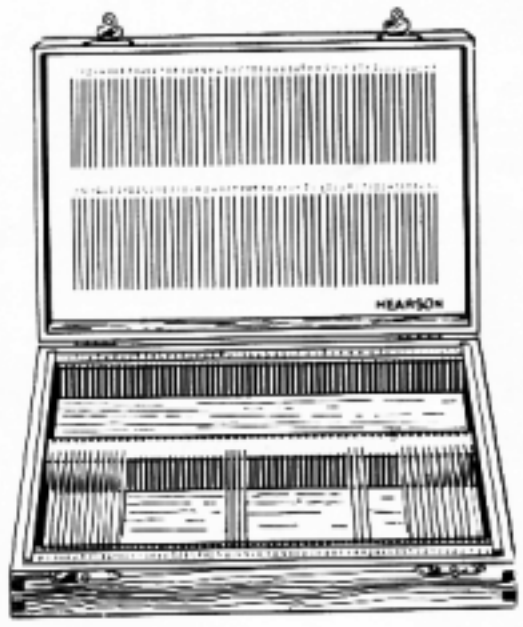
M 161

M 159	**Oak Cabinet,** for 500 slides, with five drawers each holding 100 slides 3″ × 1″	**£1 5 0**
M 160	**Cabinet in pine,** to hold 1,000 slides, with glass door, lock and key	**6 10 0**
M 161	**Ditto,** in oak	**7 5 0**
M 162	**Ditto,** in mahogany	**7 10 0**

Prices for larger cabinets on application.

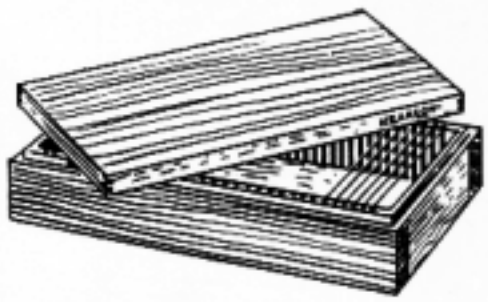
MICROSCOPICAL ACCESSORIES

M 163
SLIDE BOXES—TRAY FORM

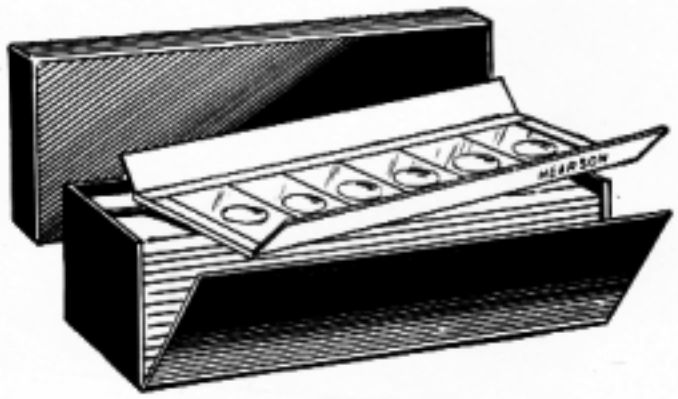


M 166

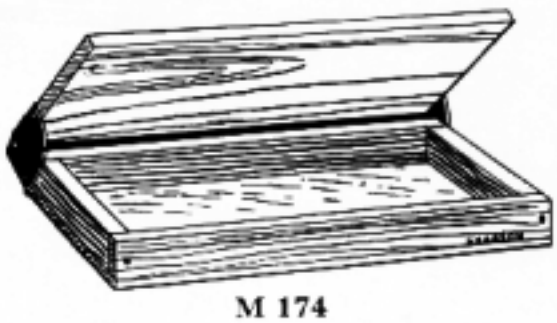
		Each	Per doz.
M 163	Tray form to hold 20 slides, 3″ × 1″, with folding flaps and index	**1/–**	**11/6**
M 164	Ditto, with fasteners	**1/3**	**14/6**
M 165	Pocket tray form, to hold 12 slides..	**2/6**	—
M 166	Wooden boxes, rack form, to hold 100 slides, with hinged cover and index	**4/–**	**42/–**
M 167	Cardboard boxes, rack form, to hold 50 slides, with hinged cover and index	**2/9**	**30/–**
M 168	Ditto, to hold 100 slides	**4/–**	**42/–**



M 173



M 171

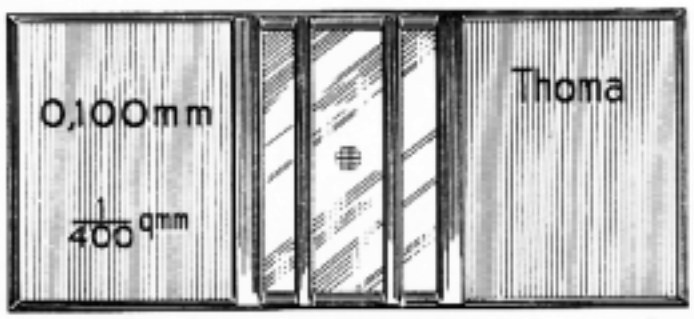


M 174

		Each	Per doz.
M 169	Cardboard boxes, cloth covered, with six trays to hold 54 slides 3″ × 1″	**2/3**	—
M 170	Ditto, with eight trays, to hold 72 slides ..	**3/–**	—
M 171	Cardboard boxes, cloth covered, with twelve trays to hold 108 slides	**4/–**	—
M 172	Ditto, with sixteen trays to hold 144 slides	**5/6**	—
M 173	Wooden boxes, rack form, to hold 25 slides, with lift-off lid ..	**1/6**	**15/–**
		Per doz.	Per Gross
M 174	Postal boxes, to hold 1 or 2 slides	**2/–**	**20/–**

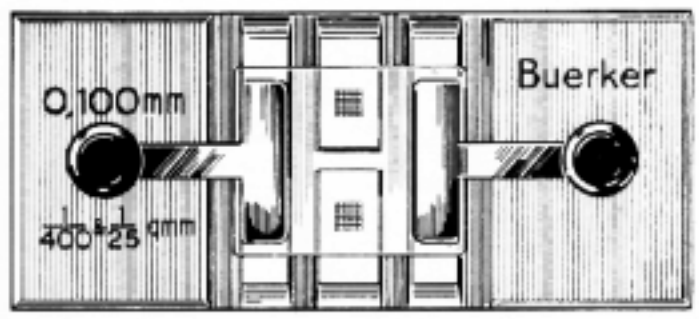
HAEMOCYTOMETERS, BLOOD COUNTING APPARATUS, etc.

THOMA, NON-CEMENTED



M 175

BUERKER, WITH CLIPS



M 181

		£	s.	d.
M 175	Counting Chamber, non-cemented type, single ruling, with 2 special cover glasses	**0**	**18**	**6**
M 176	Complete Haemocytometer, with 2 pipettes and case	**1**	**9**	**0**
M 177	Counting Chamber, as above, but with clamps	**1**	**6**	**6**
M 178	Haemocytometer, as above, but with clamps	**1**	**17**	**0**
M 179	Counting Chamber, as above, but *with double ruling*	**1**	**1**	**0**
M 180	Haemocytometer, but *with double ruling*	**1**	**11**	**6**
M 181	Counting Chamber, as above, with double ruling and clamps	**1**	**9**	**0**
M 182	Haemocytometer, as above, but with double ruling and clamps	**1**	**19**	**6**

When ordering Counting Chamber or Haemocytometers please specify ruling, i.e., Thoma, Buerker, Neubauer, Fuchs Rosenthal, Glaubermann, etc.

MIXING PIPETTE

M 185

M 183	Haemocytometer Pipette, for counting red corpuscles 1/100	**0**	**3**	**0**
M 184	Haemocytometer Pipette, for counting white corpuscles, 1/10	**0**	**3**	**0**
M 185	Haemocytometer Pipette, for counting red corpuscles—British—accurate 1/100	**0**	**4**	**6**
M 186	Haemocytometer Pipette, for counting white corpuscles—British—accurate 1/10	**0**	**4**	**6**
M 187	Trenner Pipette, 1/200	**0**	**5**	**6**
M 188	Trenner Pipette, 1/20	**0**	**5**	**6**
M 189	Haemocytometer Cover Glasses .. each **9d.** per doz.	**0**	**8**	**0**
M 190	Alport Cover Glass	**0**	**5**	**0**
M 191	Haemoglobin Pipette, 20 cmm.	**0**	**2**	**6**

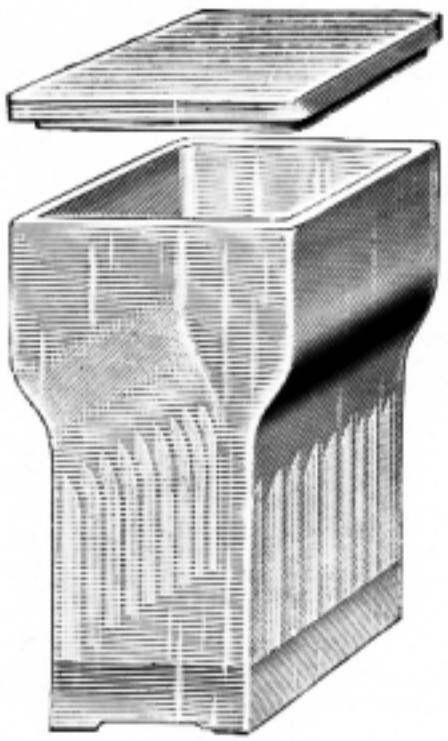
M 192

M 194

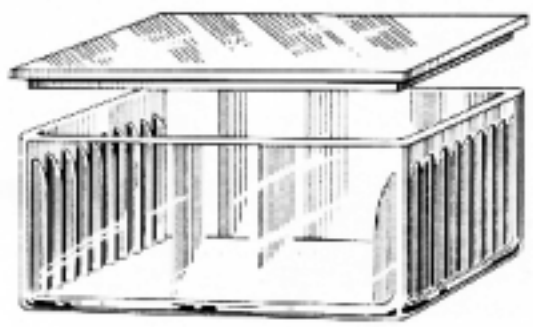
M 192	Pricking Lancet, double ended, stainless steel	**0**	**9**	**6**
M 193	Pricking Lancet, triple ended, stainless steel	**0**	**12**	**6**
M 194	Frank's Pricking Lancet	**0**	**7**	**6**
M 195	Ehrlich Eyepiece	**3**	**6**	**0**
M 196	Talquist Scale	**0**	**6**	**0**
M 197	Sahli Haemoglobinometer	**1**	**5**	**0**
M 198	Haldane ,,	**2**	**2**	**0**
M 199	New Dare Haemoglobinometer	**10**	**10**	**0**

MICROSCOPICAL ACCESSORIES

Staining Wells, Troughs, Jars, etc. for Slides



M 200



M 201

M 202

		Each	Per doz.
M 200	**Staining Troughs,** glass, upright, with lid, to hold 16 slides 3″ × 1″ back to back	**2/3**	**24/–**
M 201	Ditto, squat, with 10 grooves to hold 20 slides 3″ × 1″, back to back	**2/3**	**24/–**
M 202	**Staining Jar,** Coplin's, to hold 10 slides 3″ × 1″, back to back	**2/3**	**24/–**
M 203	**Staining Well,** $1\frac{1}{2}$″ × $1\frac{1}{2}$″, with bevelled edges, diameter of well $1\frac{5}{16}$″, depth of well $\frac{3}{8}$″ (clear)	**9d.**	—
M 204	Ditto, frosted	**9d.**	—
M 205	**Staining Well** (clear) 2″ × 2″, with bevelled edges, diameter of well $1\frac{5}{8}$″, depth of well $\frac{5}{8}$″	**1/9**	—
M 206	Ditto, frosted	**1/9**	—
M 207	**Staining Well,** clear, $2\frac{1}{2}$″ × $2\frac{1}{2}$″, with bevelled edges and corners, diameter of well 2″, depth of well $\frac{1}{4}$″	**2/–**	—
M 208	Ditto, frosted	**2/–**	—
M 209	**Staining Tube,** glass, with drop-on lid, to take 3″ × 1″ slide..	**1/–**	—

DISSECTING INSTRUMENTS, SETS

ETC.

Scalpels, Forceps, Scissors, Needles, Seekers, etc.

M 210

M 213

		£	s.	d.
M 210	Scalpels (please specify length of blade) .. .. .. each	**0**	**1**	**9**
M 211	Forceps, 4 inch, fine pointed .. .. ,,	**0**	**1**	**3**
M 212	,, 5 ,, ,, ,, ... ,,	**0**	**1**	**6**
M 213	,, dissecting, 5 inch .. .. ,,	**0**	**1**	**6**
M 214	,, (Cornet) .. .. ,,	**0**	**1**	**6**
M 215	,, (Boston) .. .. ,,	**0**	**0**	**9**
M 216	,, (Cover Glass) .. .. ,,	**0**	**2**	**0**

M 217

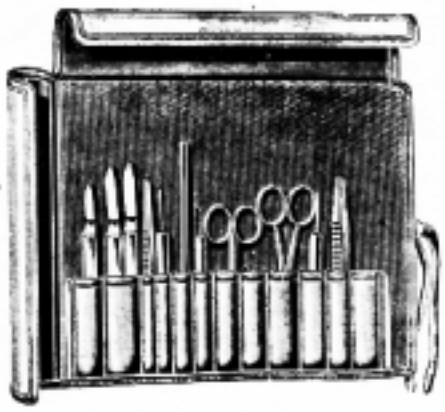
M 218

M 221-222

		£	s.	d.
M 217	Scissors, $4\frac{1}{2}$″ fine points, straight .. .. .. each	**0**	**1**	**9**
M 218	,, $4\frac{1}{2}$″ ,, ,, curved .. .. ,,	**0**	**2**	**0**
M 219	,, 5″ ,, ,, straight .. .. .. ,,	**0**	**2**	**0**
M 220	,, 5″ round ,, ,, ... ,,	**0**	**2**	**0**
M 221	,, 5″ fine ,, ,, (Sheffield) .. .. ,,	**0**	**2**	**9**
M 222	,, 5″ round ,, ,, ,, ... ,,	**0**	**2**	**9**

DISSECTING INSTRUMENTS, SETS

ETC.



M 223

M.225

M 224

		£	s.	d.
M 223	Dissecting Set, consisting of :—2 Scalpels, 1 Forcep 4″ fine points ; 1 Forcep 5″ Dissecting ; 1 4″ fine-pointed Scissors ; 1 Scissors, 5″ fine pointed ; 2 Dissecting Needles ; 1 Seeker ; 1 Section Lifter ; 1 Camel Hair Brush, in canvas wrapper	**0**	**14**	**6**

Dissecting Sets can be made up to any individual requirements.

		Each	Per doz.
M 224	Needle or Platinum Wire Holders (aluminium) 7″ long	**1/6**	—
M 225	,, ,, ,, ,, 9½″ ,, with vulcanite handle	**2/3**	—
M 226	Dissecting Needles in cedarwood handles (straight)	**4d.**	**3/-**
M 227	,, ,, ,, ,, ,, (bent)	**4d.**	**3/-**
M 228	Seekers ,, ,, ,, ,, (straight)	**5d.**	**4/-**
M 229	,, ,, ,, ,, ,, (bent)	**5d.**	**4/-**
M 230	Section Lifters (aluminium)	**9d.**	—
M 231	Section Razors, Sheffield make, one side flat	**3/6**	—

M 232-234

M 238

M 241

			s.	d.
M 232	**Canadabalsam Bottles,** ½ ounce, loose cap and rod	**9d.**	**8/-**	
M 233	Ditto 1 ,, ,, ,, ,, ...	**10d.**	**9/-**	
M 234	Ditto 2 ,, ,, ,, ,, ...	**1/-**	**10/-**	
M 235	**Canadabalsam Bottles,** ½ ounce, ground on cap and rod	**1/-**	**10/-**	
M 236	Ditto 1 ,, ,, ,, ,, ...	**1/1**	**12/-**	
M 237	Ditto 2 ,, ,, ,, ,, ...	**1/4**	**14/-**	
M 238	**Cedarwood Oil Bottle,** with rubber base, loose cap and rod	**1/6**	**15/-**	
M 239	**Cedarwood Oil,** for immersion lenses, refractive index 1.515, per 25 grammes	**1/6**	—	
		£	**s.**	**d.**
M 240	**All Metal Vacuum Pump** (chromium plated) .. .. each	**0**	**8**	**6**
M 241	,, ,, ,, ,, ,, with tap union .. ,,	**0**	**15**	**0**