Notice and Terms.

THIS CATALOGUE SUPERSEDES ALL PREVIOUS EDITIONS.

All prices are NETT for cash.

ORDERS must be accompanied by remittance or satisfactory London references.

Customers residing abroad will find a Bankers' draft or Post Office Orders the most convenient method of remitting.

CHEQUES and POSTAL ORDERS should be crossed "London County and Westminster Bank."

GOODS MADE TO ORDER, and varying from our stock articles, must be paid for at the time of ordering.

GOODS are sent carriage forward by the cheapest route unless otherwise instructed.

GOODS are forwarded for THREE DAYS' approval against remittance covering the catalogue price, which amount will be returned on receipt of the goods in perfect condition, less any charges for carriage.

GOODS are packed by experienced packers and are sent at the consignee's risk. We cannot accept responsibility for breakage during transit. Customers must claim from the carriers immediately on receipt of any article received in a damaged condition and signed unexamined.

NAMES and ADDRESSES of customers should be distinctly written.

ALTERATIONS and IMPROVEMENTS are introduced from time to time, which may necessitate an increase in the charges. The illustrations are only intended to give a general idea of the appearance and construction of our instruments.

C. BAKER 244 HIGH HOLBORN LONDON

MICROSCOPES AND ACCESSORIES

C. BAKER

T. Hall Curties C. Lees Curties T. J. Offer

244, High Holborn,
LONDON, W.C.

Factory Address: Metron Works, Grove Road, BALHAM.

ESTABLISHED 1765.

Agents:

AUSTRALASIA: LAWRENCE & HANSON ELECTRICAL CO., LTD., 55, York St., Sydney. Also at Melbourne, Christchurch and Wellington.

CAMBRIDGE: HYMAN & COX, 7, St. Andrews.

GLASGOW: RAE, Opticians, 77, Renfield Street.

Representative stocks at the above depots.

Telegraphic Address: OPTIVORUM, WESTCENT, LONDON.

Telephone: 1427 HOLBORN.

C. BAKER 244 HIGH HOLBORN LONDON



Fig. 7.

R.M.S. Microscope

Code

Royalorol **1. Stand.** Fig. 7 is capable of doing the highest critical work and photomicrography. The fine adjustment is actuated by small milled heads placed on either side of the limb, imparting a movement of 0·5 m. m to each revolution of the screw. The body, 44 m/m diameter being fitted to a plain slide can be easily removed from the instrument and replaced by a high-power binocular body as required. This slide is also found useful when employing very low-power objectives on account of the extra working distance being available. A drawtube of the continental size is provided, divided in millimetres, extending to 180 m/m and closing to 130 m/m. Another drawtube having rack and pinion adjustment can be added, giving a total length of 250 m/m at an extra cost as quoted below. At the end of this drawtube is fitted a stop, having the universal screw to enable apparatus for various purposes being used between objective and eyepiece, the tube carrying the eyepiece can be supplied to take the 1·25" gauge if desired.

The rotating mechanical stage, Fig. 5, is provided with centring screws and suitable clamp, also verniers to the horizontal and vertical movements.

The substage, Fig. 6, of the R.M.S. 38·75 m/m gauge is fitted with diagonal rack and pinion focussing adjustment, centring screws and a new swing-out attachment for the optical equipment. The chief feature of this latter is the actual substage does not swing out, thus retaining its rigidity.

Without case £40 0 0

Royalto **2. Stand** in case with
Achromatic condenser and iris diaphragm.
Triple nosepiece.
Eyepieces, Huyghenian 2, 4.
Eyepieces, Gifford orthochromatic 19 m/m, 12·5 m/m.
Objectives 2", 1", 1/2", 1/4" dry.
Objectives 1/6" N.A. ·92, 1/12" N.A. 1·30 oil immersion.
Micrometer eyepiece.
Dark ground illuminator.
Drawing eyepiece.
Magnification from 14 to 1600 ... ... 81 0 0

Royalvo **3. Stand** in case with
Achromatic condenser and iris diaphragm.
Triple nosepiece.
Eyepieces 2, 4.
Objectives 2", 1/3, 1/6, 1/12" oil immers. N.A. 1·30.
Dark ground illuminator and stop for 1/12" objective.
Bull's-eye condenser.
Magnification from 14 to 900 67 13 0

Royalfor **4. Stand** in case with
Abbé condenser and iris diaphragm.
Triple nosepiece.
Eyepieces 2, 4.
Objectives 2/3", 1/6", 1/12" oil immers. N.A. 1·30.
Magnification from 33 to 900 58 2 6

Extras.

Royalcas Mahogany case 3 0 0
Royalpin Rack and pinion to secondary body 2 0 0
Royalag Divisions in degrees to circumference of stage 2 0 0
Hibino High-power binocular body 10 0 0



Fig. 12.

Students' Microscope.

Code.

Student **1. Stand,** Fig. 12, is built to withstand the hard wear and tear to which this class of stand is subject. The usual diagonal rack and pinion is provided and the fine adjustment is fool-proof, there being nothing to go wrong, and is actuated by a milled head placed at the side of the limb which pushes a steel ball up an inclined plane resulting in a smooth and deliberate movement capable of focussing the highest power objectives. With this form it is almost impossible to break a cover glass or damage the front lens of the objective, when brought in contact. The stage is very rigid and measures 4·2" × 4·2" under which is mounted a tube to carry an iris diaphragm or condenser. In case £7 15 0

Studento **2. Stand** with
Abbé condenser and iris diaphragm.
Triple nosepiece.
Eyepieces 2, 4.
Objectives $^{3}/_{4}$", $^{1}/_{4}$", $^{1}/_{12}$" oil immersion.
Magnifications from 33 to 900. 25 2 6

Studenfre **3. Stand** with
Abbé condenser and iris diaphragm.
Double nosepiece.
Eyepieces 2, 4.
Objectives $^{3}/_{4}$" (or $^{2}/_{3}$"), $^{1}/_{6}$".
Magnification from 23 to 406. 16 17 6

Studenfor **4. Stand** with
Iris diaphragm
Double nosepiece.
Eyepiece 3.
Objectives $^{3}/_{4}$" (or $^{2}/_{3}$"), $^{1}/_{6}$".
Magnification from 76 to 320. 14 11 6

Extras.

Spirstage Spiral screw focussing substage, Fig. 78 ... ... 1 10 0
Metstage Mechanical stage, Fig. 81 ... ... 6 10 0

Allowance.

Studentot If case for stand is not required 15 0

Mechanical Accessories.

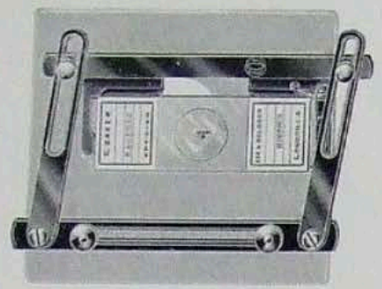

Fig. 84.

Code.

Scostage **New Object Slider,** Fig. 84, suggested by Dr. Scott Williamson. The specimen is placed between the clips and can be adjusted in the vertical direction by sliding the carrier up and down the side supports and for the horizontal adjustment the carrier is moved across the stage in an arc. This object slider is fitted to any stage by expanding plugs which fit the holes provided for the usual spring clips £1 5 0



Fig. 85.

Rousbox **Rousselet Live Box,** Fig. 85, designed to enable the object under examination to be viewed with high-power objectives, such as a $^1/_{12}$" oil immersion, and the light concentrated on to the specimen by a suitable substage condenser or our concentric dark ground illuminator 17 6

Mechanical Accessories.

For the Stage.



Fig. 86.



Fig. 87.

Code.

Stagceps **Stage Forceps,** Fig. 86, for holding unmounted objects during examination, with universal movements, mounted to plug into holes generally provided in the stage or limb of the microscope ... ... s. d. 12 0

Stagercep Ditto, Fig. 87, but smaller s. d. 8 0

Hotstage **Warm Stage,** Fig. 88, simple pattern of copper with two small depressions to carry paraffin wax of different melting point 7 6



Fig. 88.

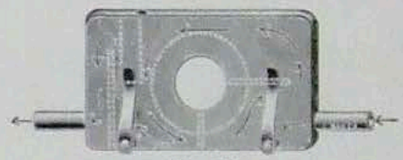

Fig. 89.

Warstage **Warm Stage,** Fig. 89, consisting of a metal chamber, through which warm water is allowed to pass. The centre is opened out wide enough to allow a substage condenser to come flush with the top of the stage, on which the specimen is placed. A hole provided in front for a thermometer £2 0 0