

Sales catalogue: Stevens

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121132611
Phone : Gerrard 1824.

Court
Oct. 15th 20
Sale No. 13,211

Sale to commence at **12.30** o'clock

FRIDAY, OCTOBER 15th, 1920.

A CATALOGUE OF
**Photographic, Electrical &
Scientific Apparatus**

INCLUDING
CAMERAS and LENSES,
by ZEISS, ROSS, GOERZ, etc.

By order of the Sheriff of the County of London, the contents of a Radiograph Establishment removed from 26 Manchester Street, W., for convenience of sale, including :

The Valuable Electrical Apparatus, Induction Coils, Switch Boards, Light Baths, Couches, and Radiators ; also Tables, Chairs, Screens and other effects.

The first portion (modern) of the
Celebrated Collection of MICROSCOPES & ACCESSORIES,
Formed by the late SIR FRANK CRISP, BART.

A 4½ in. Astronomical Telescope
by DOLLOND, with expensive Equatorial Head, and Driving Clock by COOKE, of York, other Telescopes, etc,

AND MISCELLANEOUS EFFECTS.

MR. J. C. STEVENS

WILL SELL BY AUCTION AT HIS ROOMS,
No. 38, King Street, Covent Garden, W.C. 2,
FRIDAY, OCTOBER 15th, 1920.

At **12.30** o'clock.

On view the day prior, from 12.30 till 5.30 o'clock, and Mornings of Sale from 9.30 till 12, and Catalogues had of Mr. J. C. STEVENS, 38 King Street, Covent Garden, W.C. 2.

Telegraphic Address : AUKS, RAND, LONDON.

Established 1760.

RIDDLE, SMITH & DUFFUS, Windsor House, Kingsway, W.C. 2, and Forest Hill, S.E. 23.

CONDITIONS OF SALE.

FIRST.—The highest bidder to be the buyer, and if any dispute arise between two or more bidders the lot so disputed shall be immediately put up again and re-sold. The auctioneer reserves to himself the right to refuse any bid, also to make any alteration in the catalogue.

SECOND.—No person to advance less than one shilling ; above £2 two shillings and sixpence, and so on in proportion.

THIRD.—The purchasers are to give in their names and places of abode, and, if required, to pay down a deposit of five shillings in the pound in part payment of the purchase-money, in default of which the lot or lots so purchased to be put up again and re-sold at any convenient opportunity during the sale or otherwise.

FOURTH.—The lots are to be taken away and paid for, with all faults and errors of description, at the buyer's expense and risk, on the day immediately following sale. The auctioneer not being responsible for the correct description, genuineness or authenticity of, or any fault or defect in any lot, and making no warranty whatever.

Lastly.—Upon failure of complying with the above conditions, the money deposited in part payment shall be forfeited to the vendors, the lots remaining uncleared shall be re-sold by public or private sale, and the deficiency (if any) attending such re-sale, together with all incidental expenses and charges, shall be made good by the defaulters at this sale.

** * Pictures offered for sale are attributed to the artists named, but no guarantee as to their genuineness is given or implied.*

NO LOTS WILL BE TRANSFERRED.

The Clerk of the Sale has authority to refuse Cheques.

A CHARGE FOR WAREHOUSING WILL BE MADE ON
LOTS NOT CLEARED PROMPTLY.

Telephone :—
GERRARD, 1824.

Telegrams :—
AUKS, RAND.

BUYER

Court.

Date _____

AUCTIONEERS

Stevens

STY. MU. 3

A CATALOGUE

Friday, October 15th, 1920.

AT 12.30 O'CLOCK.

ON VIEW:

Thursday, 12.30 to 5.30 p.m.

Friday, 9.30 a.m. to 12 noon.

MISCELLANIES.

LOT

- | | |
|----|---|
| 1 | English made ship's clock, chain driven, lever movement |
| 2 | A large model yacht on stand, with sails |
| 3 | A $\frac{3}{4}$ -size violin by Withers and bow, in case |
| 4 | Two brass ceiling electric brackets with holophone globes, 8 brass wall electric brackets, 6 shades, wall holders, etc. |
| 6 | Commercial standard typewriter, new |
| 7 | A Rex 4-h.p. motor cycle, special engine, long stroke, Bosch magneto, free engine ; in perfect running order |
| 8 | 250 strong paper brown bags, 28lbs. |
| 9 | 250 ditto, ditto |
| 10 | 150 ditto, 14lbs. |
| 11 | 150 ditto, ditto |
| 12 | 250 ditto, 7lbs. |
| 13 | 250 ditto, ditto |
| 14 | 250 ditto, 3lbs. |
| 15 | 250 ditto, ditto |

- 16 A 5-stone diamond half-hoop ring
- 17 Fine solid imitation pearl necklace
- 18 Two lady's silver wrist watches
- 19 Lady's expanding keyless watch bracelet
- 20 Large new accumulator
- 21 Turbine model engine
- 22 Three volt and amp. meters, Dead-Beat
- 23 Twelve sets full-size lantern slides with readings
- 24 A $\frac{1}{4}$ -plate folding camera with F/8 R.R. lenses, various speeds, 2 slides and antinous release ; new, perfect
- 25 A $5\frac{1}{2}$ -in. enlarging condenser, perfect
- 26 Two lantern lenses and a cinematograph lens
- 27 Aluminium stereoscope and 2 dozen slides for same
- 28 Large new medical coil in case
- 29 Expensive clockwork railway, in perfect condition ; new
- 30 Three new electric bells
- 31 Twelve $\frac{1}{4}$ -plate metal dark slides
- 32 100 tested and guaranteed metal filament pocket lamp bulbs
- 33 Large quantity of ditto, loose (A.F.)
- 34 Lecturer's lantern complete with condenser and rackwork front ; new
- 35 Large vertical steam engine in perfect order ; new
- 36 Two 4-in. Plano convex condensers
- 37 Twelve sets coloured lantern slides with readings

PHOTOGRAPHIC APPARATUS, &c.

- 38 A $\frac{1}{4}$ -plate folding Ensign camera for roll films or plates, fine F/8 lens, Ibsco fully-speeded shutter and leather case
- 39 Fine Zeiss prism monocular, 8x, in leather case
- 40 No. 2 Brownie Kodak, $3\frac{1}{4}$ in. by $2\frac{1}{4}$ in.
- 41 A $\frac{1}{4}$ -plate stand camera
- 42 *Roylex* $3\frac{1}{2}$ in. by $2\frac{1}{2}$ in. *Newman & Guardia* camera, *Zeiss-Tessar* lens, F/4.5, F.P. adapter and leather case

- 43 A $\frac{1}{4}$ -plate roll film camera, Beck symmetrical lens, Bausch & Lomb shutter
- 44 No. 2 folding Brownie, $3\frac{1}{2}$ in. by $2\frac{1}{2}$ in.
- 45 *Fine quality binocular microscope by Collins in mahogany case, 2 pairs eyepieces, $\frac{1}{4}$ -in., $\frac{1}{2}$ -in. and 1-in. objective, bull's-eye condenser, mechanical stage, substage condenser, live trough, etc.*
- 46 Field glasses
- 47 Fine $\frac{1}{2}$ -plate field camera outfit with R.R. lens, 3 double dark slides, tripod and focusing cloth
- 48 Velvet focusing cloth, two $\frac{1}{4}$ -plate frames, two $\frac{1}{2}$ -plate dishes, clips and camel hair brush
- 49 A 10 by 8 printing frame, three 10in. by 8in. dishes and changing bag (Bereford)
- 50 *No. 1 special folding Kodak, $3\frac{1}{2}$ in. by $2\frac{1}{4}$ in., Cooke anastigmat lens, F/6.5, Velost fully speeded shutter, as new*
- 51 No. 3 folding pocket Kodak, R.R. lens, and ball-bearing shutter
- 52 No. 1A folding pocket, closed front model, first-class order, complete with canvas case
- 53 *Adams' Vesta $3\frac{1}{2}$ in. by $2\frac{1}{2}$ in. folding camera, Ross Xpress lens, F/4.5, acme shutter, idento finder, F.P. adapter, antinous release and leather case*
- 54 No. 3 folding pocket Kodak, R.R. lens, and ball-bearing shutter
- 55 *A $\frac{1}{4}$ -plate and 9cm. by 12cm. Goerz folding Anschutz, slides have carriers for $\frac{1}{4}$ -plate, latest model; Goerz-Dagor lens, F/4.5, focal plane shutter, 3 D.D. slides, F.P.A.. and velvet-lined leather case*
- 56 Goerz Anschutz $\frac{1}{2}$ -plate folding camera, Goerz Series III. double anastigmat lens, F/6.8, press pattern shutter, 3 D.D. slides and leather case
- 57 Gaumont's V.P. Blocknote camera, Darlot lens, 12 single slides, 3 wallets, set of 4 magnifiers and 2 printing frames

- 58 Stereoscopic stereo Weno roll film camera, fine R.R. lens; takes full-size stereo pictures
- 59 Fine pair 8x prism binoculars, central focusing, eyepiece adjustment, and leather case
- 60 A $\frac{1}{2}$ -plate square bellows studio or field camera, Darlot patent portrait lens, and a D.D. slide
- 61 Set of drawing instruments, in case, by Thornton
- 62 Ditto
- 63 Number of spectacles, pince-nez lenses, etc.
- 64 Watch pocket carbine, $2\frac{1}{4}$ in. square, for roll films, Aldis anastigmat lens, F/7.7 speeded shutter
- 65 A $\frac{1}{4}$ -plate Lancaster instantograph stand camera, fine lens, a double slide and canvas case
- 66 Lancaster $\frac{1}{4}$ -plate portrait lens
- 67 A $\frac{1}{4}$ -plate folding camera, Aldis anastigmat lens F/7.7, F.P. adapter, 2 single slides and leather case
- 68 *A $\frac{1}{2}$ -plate triple extension Premo camera for hand or stand work, Goerz-Dagor lens, F/6.8, 180mm. focus, as new, in automat shutter, 4 double slides and leather case*
- 69 A $\frac{1}{4}$ -plate Lancaster instantograph camera, fine lens and shutter, one double slide and tripod top
- 70 No. 3 folding Kodak, $\frac{1}{4}$ -plate fine R.R. lens
- 71 A P.C. and 10 by 15cm. folding plate camera, fine lens in speeded shutter, double extension, F.P. adapter
- 72 Metal telescopic tripod
- 73 Watkins' Bee meter, 3 odd lenses and $\frac{1}{2}$ -plate focusing cloth
- 74 Large size tripod and metal top
- 75 Large size Jaynay tripod
- 76 No. 3 folding pocket Kodak, Ross-Goerz anastigmat lens F/6.8, fully speeded shutter and leather case
- 77 A dozen 6 exp. 2c. Kodak spools

- 78 A 3½ by 2½in. folding plate camera, fine rapid aplanat lens, 3 slides and F.P. adapter
- 79 Magazine ¼-plate camera, fine lens
- 80 Fine pair of field glasses in leather case
- 81 No. 1 Junior Auto Kodak, 3¼ by 2¼in., F/7.7 anastigmat lens, speeded shutter ; been used very little
- 82 No. 1 Junior Autographic Kodak, 3¼ by 2¼in. fine R.R. lens ; black leather case
- 83 A 3½ by 2½in. Clincher magazine camera
- 84 Box model Kodak, 10-guinea old model
- 85 No. 3 *special folding Kodak, ¼-plate for roll films or plates, Cooke anastigmat lens 6.3, Velosto shutter, also fitted to take film packs ; complete with plate holders, film adapter and leather case, cost £26 recently*
- 86 A 9 by 12c.m. folding camera, fine extra rapid Aplanat lens, speeded shutter, 2 slides and film pack adapter ; strong leather case
- 87 No. 4 folding Kodak 5in. by 4in. for roll film, Ross homocentric lens, 6.3 speeded shutter ; leather case as new, never used
- 88 A No. 3 Cartridge Kodak, ¼-plate for roll films and plates, double extension, fine R.R. lens, speeded shutter, 3 D.D. slides and leather case
- 89 Fine pair prism binoculars in leather case
- 90 Adams' Yale 5in. by 4in. camera, Cooke anastigmat F/6.8, changing box
- 91 Thornton-Pickard Victory reflex 3½in. by 2½in. Lustra F/5.9 anastigmat lens, 12 single slides and velvet lined leather case
- 92 No. 1 *special folding Kodak 3¼in. by 2¼in., Bausch & Lomb F/6.3 anastigmat lens, compound shutter, leather case ; all as new*
- 93 Icarette roll film camera, 2¼in. square, fine lens, new condition
- 94 No. 3 folding pocket Kodak, ¼-plate Goerz double anastigmat lens F/6.8, speeded automat shutter ; fine

- 95 A 3½ in. by 2½ in. Teah tropical roll film camera, Zeiss anastigmat lens, Koilos shutter ; very fine for abroad
- 96 Holborn Ilex ¼-plate magazine camera for 12 plates, finest magazine camera made ; Cooke anastigmat Series III. lens F/6.3, in focusing mount
- 97 Fine pair 8X magnification prism binoculars in leather case, central focusing, eyepiece adjustment
- 98 Adams' ½-plate or whole-plate, ash tripod for turn-table
- 99 No. 2 Ensignette and leather case
- 100 No. 2 folding Brownie, fine achromatic lens
- 101 No. 2A folding Brownie in new condition, with fine achromatic lens
- 102 *Goerz C.D.V. Tenax Dagor F/6.8 lens, 3 double slides and film pack adapter with tan leather case and slides in wallet, in new condition ; a fine outfit*
- 103 Very fine Thornton-Pickard Ruby outfit 4 double slides, R.R. lens, roller blind shutter, tripod and string leather case
- 104 Strong wooden tripod
- 105 Very fine rule joint ash tripod by Adams & Co.
- 106 Six camera cases
- 107 A 5 by 4 Goerz lens and camera (Anschutz), back extension, changing box, film pack adapter and 3 D.D. slides
- 108 A twin lens, Reflex camera (Stereoscopic Co.)
- 109 A microscopic sub-stage by Beck.
- 110 Electric bromide printer
- 111 *A Cooke anastigmat lens, F/3.5, 4-in., Series IIA, with flange*
- 112 Five optical trial cases
- 113 Eight wardrobe locks and 15 pairs steel washered brass butts
- 114 A 24 by 18 developing sink
- 115 A 24 by 18 ditto, with back
- 116 A 21 by 15 stoneware developing sink with swing tap

- 117 A box of camera brass oddments, hinges, etc.
 - 118 A Shew's $\frac{1}{4}$ -plate mahogany camera with Ross-Goerz double anastigmat F/7.7 lens, and 5 dark slides
 - 119 A 5 by 4in. mahogany camera (no lens), a double dark slide, Houghton's $\frac{1}{4}$ -plate magazine hand camera, Eastman developing tank and a quantity of photo sundries
 - 120 A Kodak Panoram camera and two $\frac{1}{4}$ -plate magazine hand cameras
 - 121 A Verascope camera in case and an aluminium collapsible tripod in leather case
 - 122 A small medical battery set, pocket microscope, mahogany box for dry cell, 2 camera view finders and an autocrome screen
 - 123 Two studio camera lenses by Voigtlander and one by Grubb
 - 124 A 12 by 10 Steinheil anastigmat lens
 - 125 Drawing instruments in case, Harling
 - 126 Two pairs electric curling irons, in cases
 - 127 No. 10 Remington visible typewriter, with backspacer, tabulator and 2 colours, in good order and condition
 - 128 Two anastigmat lenses in case
 - 129 Quantity photographic and other sundries
-
- 130 A pair of good quality prismatic binoculars
 - 131 Six table and 6 tea spoons
 - 132 Vest pocket Kodak
 - 133 Shaving mirror on stand and safety razor
 - 134 A postcard Kodak with anastigmat lens
 - 135 Pocket aneroid barometer

SURGICAL AND SCIENTIFIC APPARATUS, &c.

- 136 Leibreich's ophthalmoscope and artificial eye set in case
- 137 Medical coil in case
- 138 Landolt ophthalmoscope and sundry optical lenses, etc.

- 139 Two Bourdon pressure gauges, small guage, actinometer and sphygmomanometer
- 140 Antique operating case, stomach pump and adjustable gas bracket with bull's-eye for ophthalmic work
- 141 Carbon di-oxide snow apparatus and cylinder, 2 amputation cases and somnoform inhaler
- 142 Three cases of sounds, 3 specula in cases, pocket case of bottles, small operating case, pocket dressing case and ligatures
- 143 Three medical batteries, minor operation case, pair of spring grips and syringe in case
- 144 Four thermometers, hæmoglobinometer and electric battery
- 145 Electric Morton's ophthalmoscope
- 146 Electric throat lamp and fittings in case, electric retinoscope and ditto combined laryngoscope
- 147 Electric retinoscope, ditto laryngoscope and ditto head mirror
- 148 A quantity of splints and surgical instruments
- 149 A ditto lot
- 150 Part dental engine and motor for ditto
- 151 Expensive set of 7 razors in case by Joseph Rodgers & Sons
- 152 Binocular microscope by Dancer with 2 objectives, 3 eyepieces, bull's-eye condenser, live box and stage forceps
- 153 Microscope by Dollond with 1-in. and $\frac{1}{4}$ -in. objectives, 2 eyepieces and condenser
- 154 Microscope by Hartnach with condenser, 2 eyepieces, 2 objectives and sundry apparatus
- 155 Microscope by Crouch with 2 eyepieces, 1-in. and $\frac{1}{5}$ -in. objectives (A.F.)
- 156 Mahogany cabinet fitted with 20 drawers containing a collection of 280 slides
- 157 Mahogany cabinet fitted with 30 drawers containing 600 slides

- 158 Tin case of bottles, box containing 4 dozen slides, condenser and a quantity of slides, cover glasses and other apparatus
- 159 Two gas pendants
- 160 *A brass astronomical telescope by Dollond, London, with 4½-in. object glass, rack adjustment, finder, 5 astro. eyepieces fitted with sun caps, a terrestrial eyepiece, solar and star diagonals, a dew cap, contained in fitted case; also an equatorial head with hour circle divided on silver with vernier and reading microscope, separate rotation, declination circle divided on silver vernier and fitted with reading microscope, adjustable counterpoise weight, adjustment for difference of latitude, 2 levels, tangent screw slow motion, Hook's joint, and a driving clock, the whole by Cooke of York,; an iron tubular pillar stand and an extra tall mahogany garden tripod with cradle top*
- 161 *A 9-in. clear aperture object glass in cell with 3-point bearing and interrupted breach block thread, believed by Grubb, and a 9-in. iris diaphragm in brass mount*
- 162 *An astronomical telescope tube with 5-in. object glass, a box containing 7 eyepieces, 2 sun caps, 3 adapters, and an iron and brass equatorial head by Dollond, suitable for a 3½-in. to 4-in. telescope with tangent screw, slow motion, mounted on iron column*
- 163 *An opticians test case in morocco leather including fine adjustable screw fitting test frame, lens meter, anastigmat frame, pair of antique spectacles and 2 optical window tablets in opal*
- 164 *A 5-in. Transit theodolite in case by Harris, London, and a mahogany tripod*
- 165 *A small astronomical quadrant on stand fitted with telescope*
- 166 *A 9-in. circular protractor*
- 167 *A six inch ditto, optical square, and another divided circle*

- 168 A large prism (2 $\frac{3}{4}$ -in. face, 45 degrees), and another
- 169 Two rectangular lenses and 5 prisms
- 170 A 7-in. circular protractor with rackwork adjustment, reading by verniers
- 171 A telescope level for theodolite and 4 telescope eyepieces
- 172 A mining level by W. & S. Jones, and 2 tripods
- 173 A microscope stage bull's-eye condenser (no foot), a compass, amp. meter and other items in large brass lens cap
- 174 Pair of tourmaline pincers, 2 eyepiece fittings, and 2 flats for reflecting telescope
- 175 Four telescope tubes (incomplete), and a brass bearing plate
- 176 A reflecting telescope by Nairne on table tripod stand
- 177 An old sextant in mahogany case
- 178 Two ditto
- 179 A 3-in. look-out telescope and mahogany tripod
- 180 A vertical telescope
- 181 A star finding telescope with 2 $\frac{1}{4}$ -in. achromatic object glass and eyepiece
- 182 A pocket sextant in leather case, pocket aneroid barometer and an altazimuth mirror
- 183 Twenty-eight small unmounted lenses, two 4-in. lenses, a 6-in. ditto and 4 others
- 184 A 4-in. lantern condenser and 4 achromatic lenses in mounts
- 185 An antique mosaic astronomical picture and a small picture of a comet
- 186 A student's microscope by Bryson, Edinburgh, rack coarse and fine adjustment, Nos. 3 and 7A Reichart objectives and another, and a number of slides, in mahogany case
- 187 A binocular microscope (body by Beck), with under-stage Abbe condenser, iris diaphragm, mechanical stage and a No. 7A objective by Reichart, in mahogany case

- 188 A polished pine cabinet of trays containing about 3 dozen microscope specimens
- 189 A direct vision star spectroscope, prism $\frac{7}{8}$ -in. diameter, with adjustable slit and cylindrical lens, standard size
- 190 A monocular microscope by Ross with mechanical stage, coarse and fine adjustment, 3 eyepieces, spot lens, diaphragm, live box, forceps, and convex mirror; in mahogany case
- 191 A mahogany cabinet with glass front and labelled drawers, containing about 500 objects
- 192 A mahogany micro cabinet, 21 drawers, to hold 3 rows of 8, total 504 slides; ivory knobs and 2 porcelain labels, velvet-lined drawers, glass panelled doors, brass handle to top of cabinet, lock and key
- 193 Thirty-six fine insects and parts, by Enoch, Topping, and Clarke & Page
- 194 A case containing 24 fine diatom slides, some grouped and arranged
- 195 Fine Lord's Prayer diamond writing signed by Webb and dated 1862, and a stage micrometer 1/100 and 1/1000
- 196 A large binocular prismatic periscope taken from a German submarine

*The first portion (modern) of the celebrated collection
of microscopes and accessories, formed by the late
Sir Frank Crisp, Bart.*

- 201 Beck's best quality International microscope with graduated rotating and mechanical stage, graduated fine adjustment, adjustment for width of eyes, rack adjusting sub-stage with screw to centre condenser, the whole instrument rotating on base and graduated
- 202 A bull's-eye stand condenser
- 203 A $\frac{4}{10}$ -in. microscope objective with graduated correction by Beck
- 204 A $1\frac{1}{2}$ -in. objective in case
- 205 A 1-in. objective by Collins

- 206 A 1/6-in. objective by R. & J. Beck,
specially mounted for use with binocular
- 207 A 1/20 objective by R. & J. Beck
- 208 A student's microscope by Zeiss
- 209 An "A" variable objective by Zeiss
- 210 Dissecting lens, No. 124, by Zeiss
- 211 Zeiss A. A. 5/4
- 212 Zeiss objective with correction collar
- 213 Zeiss oil immersion objective, N.A. 1.30.
- 214 Zeiss low power objective
- 215 Zeiss 1/8-in. apochromatic oil immersion,
N.A. 1.40
- 216 High-class presentation binocular, with
mechanical stage fitted with vernier
micrometer, divided on silver with
graduated rotation, fitted with vernier
and centring screws, rack adjusting,
rotating graduated sub-stage divided on
silver, with centring screws, graduated
fine adjustment. *By Swift*. Pair of
"A" eye-pieces
- 217 High-class petrological microscope, with
rotating stage graduated on silver, and
reading by Vernier, and fitted with
graduated micrometer movements,
eyepiece with graduated special cut nicol
analyser, graduated fine adjustment,
quadruple rotating nosepiece, and Nos.
3, 5, 7, and 9 immersion objectives,
by Fuss
- 218 Bull's-eye stand condenser
- 219 Portable microscope lamp by Swift
- 220 Elaborately mounted microscope lamp;
Dallinger rack adjustment for height,
horizontal rack adjustment, and rack
adjusting centring bull's-eye condenser
- 221 An adjustable microscope lamp
7. 222 Expensively made museum microscope
for 8 specimens, fitted with eyepiece and
objective, by Klonne & Muller
- 223 Lenhossek's polymicroscopium containing
a few slides, with rack adjusting body,
tube fitted with capped eyepiece, and
extra horse shoe base stand, forming an
ordinary microscope

6.0.0

- 224 A stand condenser, 5-in. lens by Ross
- 225 Two bull's-eye stand condensers
8. 226 Museum microscope, fitted with rotating object holder to take 20 objects, fitted with special achromatic objective and eyepiece
- 227 Zeiss C. objective
- 228 Best quality petrological microscope rotating graduated stage, swing-out adjusting sub-stage, fitted with polariser and condenser, graduated eyepiece, special nicol prism analyser, and rotating adjustable selenite plate by Carl Zeiss
- 229 Microscope by Anderson, rack coarse adjustment, graduated fine adjustment, rack adjusting draw tube, mechanical rotating stage, rack adjusting centering sub-stage, fitted with "A" eyepiece
- 230 Bacteriological microscope, mechanical stage, rack adjustment, swing out sub-stage, fitted with Abbe condenser, graduated micrometer screw fine adjustment, rack coarse adjustment
- 231 Petrological microscope, graduated rotating stage, graduated eyepiece, and rotating graduating polariser
- X 232 Griffiths' club microscope, in case with eyepiece, and other fittings
- 233 Bull's-eye stand condenser with universal movements
- X 234 Portable microscope by Nachet, in case, Nos. 2, 3, and 9 objectives, and another objective, eyepiece, etc.
- 235 Swifts portable compound microscope, fitted with inclining movement on tripod, four eyepieces, polariscope and analyser, 1-in., $\frac{1}{4}$ -in., $\frac{1}{8}$ -in., and $\frac{1}{16}$ -in. immersion objectives, achromatic condenser with diaphragm stops, etc. This beautiful and complete little microscope is fitted into a case measuring 4in. by $2\frac{1}{2}$ in. by 2in.
- 236 Portable microscope by Nachet, fitted with objective, 2 eyepieces, and stage condenser. in case

2.10.0

- 237 Demonstration microscope by Leitz, fitted with No. 1 eyepiece and No. 3 objective
- 238 Demonstration microscope, fitted with objective and eyepiece, and *another* with eyepiece on stand (2)
- 239 Demonstration microscope, fitted with 3-power achromatic objective and Lieberkuhn, and *another* (2)
5. 240 Beck's museum microscope, fitted with rack coarse adjustment, eyepiece and lamp
4. 10. 241 Demonstration microscope by How, and *another* with rack adjustment (2)
5. 242 Demonstration microscope, fitted with lamp on swinging tailpiece
5. 243 Expensively made microscope by Nacet, fitted with eyepiece and stage bull's-eye
- 244 *Field's ratio polariscope, graduated revolving selenites* for the exact determination of polarised light, fitted with a magnificent nicol prism, 1 $\frac{3}{8}$ in. diameter by 3in.
- 245 Large polarizing prism, 1in. by 2 $\frac{1}{2}$ in.
- 246 Richards' selenite holder, fitted with three swing-out selenites
- 247 Prazmowski's analysing goniometer eyepiece, fitted with special square cut prism
- 248 Sorby's spectroscopic polariscopic eyepiece, by R. & J. Beck, fitted with spectroscopic prism, adjustable slit, and 2 revolving nicol prisms
- 249 Zeiss' apparatus for monochromatic light, and extra adjustable stand, fitted with bull's-eye condenser
- 250 Abbe condenser by Zeiss for English stand, fitted with rack adjustment, diaphragm holder
- 251 Swifts low power sub-stage condenser, and another (2)
- 252 An iris diaphragm by Watson, *another* by Beck, and Davis' shutter with iris diaphragm (3)

4. 10.

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3. 10.

- 253 Swifts parabolic condenser, and Stephenson's catoptic illuminator (2)
- 254 Paraboloid and another with diaphragm, and Edmunds' condenser (3)
- 255 A 3in., lieberkuhn, by Ross, ditto, 1½in., 2in., and a ditto, ½in., by Ross, and 2 others
- 256 Wenham's paraboloid, and 4 spot lenses
- 257 Osborn's diatom exhibitor, Nachet's prism, and set of diaphragms with 12 apertures
- 258 Stage bull's-eye, wheel of diaphragms, and 2 silver side reflectors
- 259 Gillets' sub-stage condenser, and Beck's achromatic condenser
- 260 Ross' achromatic condenser, and a condenser in long tube
- 261 Bausch & Lomb Optical Co.'s oil immersion sub-stage condenser, with special diaphragm and centring sub-stage adapter
- 262 Beck's best achromatic sub-stage condenser
- 263 Fine polariscope, fitted with a Glan-Thompson square end, ⅝-in. prism by Ahrens
- 264 Micro spectroscope of elaborate construction with adjustable slit, micrometer movement rack adjustment, and mirrors fitted with ball and socket movements
- 265 Merz's eyepiece micrometer
- 266 Aluminium quadruple nosepiece
- 267 Triple rotating nosepiece
- 268 Five live boxes
- 269 Zoophyte trough, an animalcule cage for high powers, and Beck's life slide in case
- 270 Twelve various live boxes
- 271 Five various compressoriums
- 272 Six ditto
- 273 Zeiss' micrometer stage
- 274 Boecker's mechanical stage with movements in both directions, reading by verniers divided on silver
- 275 Beck's revolving disc holder and 72 discs

- 276 Small spark coil, and another electrical instrument for the microscope
- 277 A case of collecting tubes, set of dipping tubes in case, a number of zoophyte troughs, and other mounted sundries
- 278 Micrometer razor, and a number of mounting knives, scissors and forceps
- 279 Lever micrometer for measuring thickness of cover, and glasses by Ross
- 280 Two ditto
20. 281 *Woodward's apertometer microscope with a circle 10in. radius, divided in silver, fitted with a radial arm carrying microscope body and eyepiece; standard size, and provided with a vernier clamp and tangent screw, 2 glass apertometers in case—the whole mounted on a substantial tripod table, specially made by R. & J. Beck; (only one other made)*
- 282 An original defraction grating ruled on glass, and signed and dated 1863, in case, by Nobert
- 283 A goniometer eyepiece with graduated circle, reading by 2 verniers and pointer, fitted with quartz prism in case
- 284 Zeiss compensating eyepiece, No. 2, 135 mm., for English stand
- 285 Zeiss compensating eyepiece, No. 4, 67 mm., for 10in. tube
- 286 Zeiss compensating eyepiece, No. 8, 34 mm., ditto
- 287 Zeiss compensating eyepiece, No. 27, 10 mm., ditto
- 288 Zeiss projecting eyepiece, No. 3
- 289 Zeiss compensating eyepiece, 15 mm.
- 290 Zeiss compensating eyepiece, No. 6
- 291 Eyepiece, No. 4, with cross threads, and 7 others
- 292 Pair of "C" Kelner's orthoscopic eyepieces by Ross, one with indicator; a pair of "A" capped eyepieces, and a micrometer eyepiece by Ross

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- 293 "D" Kelner orthoscopic eyepiece;
 "A" eyepiece, with pivoted finder;
 "C" ditto (ordinary); "D" ordinary
 eyepiece; "E" ditto; and "F" ditto
- 294 No. 5 orthoscopic eyepiece by Zeiss;
 No. 2 sliding eyepiece and cross thread,
 and 2 other eyepieces
- ~~295~~
 4. ~~296~~ Eight various eyepieces
- 297 An expensively made spectrograph with
 divided circle reading by verniers (A.F.)
- ~~299~~ Thomas' expensively made microscope
 for the examination of blood circulation
 in large animals, by Jung, Heidelberg
- 299 Abbe's refractometer with divided circles
 and rotating adjustment by Zeiss
- 300 Swifts mineral microscope with diagonal
 rack adjustment and rotating movements
15. 301 Giant microscope, specially constructed
 for the examination of large objects
 under polarized light, rack adjustment to
 both stage and mirror, by C. D. Ahrens,
 London
5. 302 Nachet's crane arm microscope for the
 examination of large objects
- 303 Powell & Lealand's dissecting microscope
- 304 Moginie's portable binocular, rack adjust-
 ing stage, fitted with a pair of "A"
 capped eyepieces
- 305 Swift & Son's Paragon binocular with
 patent double rack coarse adjustment,
 rack adjustment for width of eyes,
 patent side fine adjustment, rotating
 mechanical stage, and rack adjusting sub-
 stage, with centering screws
- 306 Dippel's spectro polariscope
- 307 Beck's portable binocular microscope,
 rack coarse adjustment, divided fine
 adjustment, rack adjustment for width
 of eyes, rack adjusting sub-stage, fitted
 with revolving polariscope and achro-
 matic sub-stage condenser, revolving
 analyser and spot lens in case

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- 308 *Wenham's radial microscope, diagonal rack coarse adjustment, frictionless patent fine adjustment, sector inclination, from the perpendicular to the horizontal, lateral inclination to the limb; the whole instrument rotates on the lower base plate which is graduated; graduated rotating mechanical stage, rotating rack adjusting sub-stage, fitted with adjustable lamp; in new condition by Ross*
- 309 Micrometer by Bausch & Lomb
10. 310 Ahren's triocular bodied microscope, fitted with 3 achromatic objectives and 3 eyepieces 7.0.0
5. 311 Scobell's dissecting microscope, fitted with compound body, 2 achromatic magnifying powers, and 2 other lenses 3.0.0
5. 312 Chevalier's dissecting microscope with erecting prism 4.0.0
- 313 Micro spectroscope fitted with micrometer, by Browning
- 314 Ramsden's micrometer eyepiece, by Ross
- 315 Royston-Piggott's micrometer eyepiece
- 316 Abbe's micrometer eyepiece
- 317 Two aluminium nosepieces, quadruple and double
- 318 One quadruple nosepiece and 2 double nosepieces
- 319 An elaborate micrometer stage, m.m. in 100 parts, rotating graduated circle, reading by 2 verniers
- 320 Nachet's camera lucida, Woolleston's ditto, eyepiece fitted with Nachet's erecting prism, and 2 others
- 321 Goniometer fitted with revolving nicol prism, by Beck
- 322 Beck's parallel compressor for high powers, another compressor, Piper's revolving object holder, and a ball and socket revolving stage
- 323 Compressor for high powers, Fols' compressor for high powers, and an adjustable mineral holder
- 324 Bacteriological microscope by Ploss & Co.

- 325 Research microscope, mechanical rack coarse adjustment, and mechanical rotating goniometer, stage reading by Vernier
- 326 A 4/10-in. objective by R. & J. Beck, with graduated correction collar
- 327 A 4-in Powell objective and a 1/6-in. objective graduated correction collar by Swift
- 328 A 1/4-in. objective in case and another objective
- 329 Two small objectives in case, and another objective
- 330 A 1/8-in. oil immersion by Powell & Lealand
- 331 A 1/2-in. objective with cone front
- 332 A 1/16-in. immersion objective with graduated corrections by Gundlach
- 333 Aquarium microscope, rack adjustment fitted with a stage bull's-eye, 2 7/8 in. diameter lens
- 334 Small museum microscope with 6 discs of objects in leather-covered case, and three others
- 335 Three small museum microscopes in cases, a pocket microscope by Klonne & Muller, and 5 others
- 336 Fifteen small microscopes
- X 337 Ten ditto
- 338 Ten small magnifying glasses
- 339 Twelve ditto
- 340 Eight magnifying glasses, etc.
- 341 Dick's petrological microscope with graduated revolving stage, revolving polariser, fitted with high power condenser, revolving analyser with goniometer, removable selenite plate by Swift
- 342 Expensively-made microscope with horizontal and vertical rack adjustment for measurement of fibres in silk etc., fitted with eyepiece and objective
- 90/- 343 Two expensively made models of the eye, and one of the brain

- 344 Small field microscope and telescope in leather case, rack adjusting illuminating prism, 4 diaphragms, nicol prism (A.F) and other micro sundries
- 345 Pair of eyepieces, pair of " B " eyepieces by Powell and 2 others
- 346 Seven various eyepieces
- 347 Nine ditto
- 348 Student's microscope by Swift, diagonal rack coarse adjustment, patent side fine adjustment, Nelson stage etc.
- 349 Portable microscope by Ross, rack coarse adjustment and adjustable mirror
5. 350 Ahren's erecting microscope with rack coarse adjustment fitted with movable stage and capped eyepiece
- 351 Student's binocular microscope, adjustment for width of eyes, rack coarse adjustment by Baker
- 352 Dissecting microscope rack adjusting, fitted with achromatic lens and extra stage by Zeiss
- 353 Brucke lens, on rack adjusting lens holder by Zeiss
- 354 Small dissecting microscope by Zeiss. fitted with one power
- 355 Cylindrical magnifying lens on adjusting stage
- 356 Binocular dissecting microscope fitted with dissecting instruments, by Collins
- 357 Gillet's sub-stage condenser and a camera lucida by Powell, in case
- 358 Browning's pocket microscope with 2 objectives, eyepiece and spot lens
- 359 Parallel compressorium by Ross, and Roussellet's compressorium, and another
- 360 Three stand bull's-eye condensers
- 361 Two mounted prisms
- 362 Two stand condensers
- 363 Selenite stage by Swift, fitted with 3 rotating selenites and extra mica slide
- 364 Abbe's binocular eyepiece
- 365 Powell & Lealand smaller tripod stand, fitted with mechanical stage

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- 366 A revolving goniometer rack revolving eyepiece with verniers by Ross
- 367 Fifteen pairs of hand forceps, and 14 pairs of stage forceps
- 368 Three dozen finely mounted anatomical slides, all by Cole or Topping
- 369 Twenty-eight fine injected physiological slides, all by Cole
- 370 Thirty-one polariscope objects, by Topping and others
- 371 Twelve fine test diatoms by Moller, chiefly in monobromide ; in plush-lined pocket case
- 372 Twenty-six test and other diatoms, some grouped
- 373 Two fine slides of grouped diatoms and 4 other arranged slides
- 374 Three dozen various
- 375 Ditto
- 50/- 376 Seventeen fine insect slides by Enoch, including the scarce fairy fly, and 7 others
- 60/- 377 Thirty fine insect eggs
- 378 Three dozen various crustacea, etc.
- 379 Three dozen polycystina (some arranged and grouped) and foraminifera, etc.
- 380 Three dozen botanical and other slides
- 381 Three dozen ditto
- 382 Three dozen ditto
- 383 Three dozen micro fungi, etc.
- 384 Two dozen fine rock sections
- 385 Ditto, and polarising slides, mixed
- 75/- 386 Twenty-one scarce platino cyanides of magnesium, barium, etc., all by Cole, and 3 others
- 50/- 387 Slide of arranged butterfly scales, forming flowers, birds and butterflies, and ditto spray of flowers
- 50/- 388 Ditto, humming bird and butterfly, and another similar, and a humming bird
- 40/- 389 Ditto, two lizards etc., another spray of fern, and another spray and 2 butterflies
- 30/- 390 Ditto, spray of flowers and three butterflies, and another, bird and two butterflies

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- 391 Three fine arranged groups of diatoms and a test slide of ditto
- 401-447 392 Sixteen fine micro-photographs and 7 others 1. 15. 6
- 393 Fifteen fine test podura and other scales, including a fine *curvicollis*, *now very scarce*
- 394 Ditto, lots containing 24 test objects etc.
- 395 A micro ruling by W. Teasdale, 10 bands, complex curvilinear tracing, 3 figures, and a compound vibration curve
- 396 Webb's test, the Lord's Prayer, more than 10 Bibles to the inch; ditto, another, 9 ditto
- 397 Ditto, another, 8 Bibles to the inch; 7 ditto; and 6 ditto
- 398 Ditto, another, 5 Bibles to the inch; 4 ditto; and 3 ditto
- 399 A fine ditto, 22 Bibles to the inch
- 400 Ditto, 32 Bibles to the inch, in case
- 401 Ditto, 38 Bibles to the inch, in case
- 402 *An extremely rare ruling Nobert's test slide, 7 bands mounted in brass, signed F. A. Nobert*
- 403 Ditto, ditto, 10 bands signed
- 404 Ditto, ditto, 15 bands signed
- 405 Ditto, ditto, 19 bands signed
- 406 A Moller type slide, 400 varieties in case *with list of names*; quite perfect
- 407 A Moller type slide, 400 varieties, with the name of each *photographed* underneath it in case; *now very scarce*
- 408 A fine type slide of foraminifera with names in case

ELECTRICAL APPARATUS, &c.

- 409 A field telephone set with buzzer and condenser in mahogany case
- 410 Ditto, with additional receiver

To be sold at 4.45 o'clock.

By order of the Sheriff of the County of London, the contents of a Radiograph establishment. Removed from 26 Manchester Street, Manchester Square, for convenience of sale.

- 411 A diathermy apparatus
- 412 Comprising 4 pieces : 2 galvanosets for ionisation, 1 current reverser with clock-work metronome, 1 commutator for Schnee 4-cell bath
- 413 Three pieces : high frequency current apparatus, by the Medical Supply Association, including oak stand, resonator, and oil immersed condensers, etc.
- 414 An oak X-Ray tube stand, with large lead glass shield
- 415 Five pieces : an Ideal X-Ray outfit by Medical Supply Association, including 12-in. spark intensified induction transformer, marble switchboard, oak supporting cabinet, mercury jet interrupter, condenser in oak box, 2 pylon valve tubes, milliamperemeter, spintermeter, and overhead conducting wires
- 416 A high frequency current application couch with cushions
- 417 An ozonair apparatus on table
- 419 A 6-in. spark induction coil on base, complete with commutator, interrupter, and condenser
- 420 Three pieces : 1 portable faradic current apparatus, 1 Schnee 4-cell bath commutator, and 1 accumulator charging resistance board complete with 6 lamp-holders
- 421 Cabinet complete with 2 arm and 2 leg baths
- 422 Distribution board fitted with ironclad switch and fuses

- 423 Three pieces : 1 set Professor Bergonie's apparatus, comprising marble switch board, Bergonie faradic current generator for above, and reclining couch for Bergonie treatment
- 424 Eight pieces : 1 full length electric light bath, complete with full set of mirrors
- 425 A case containing 12 Leclanche cells
- 426 Quantity of arc lamp carbons
- 427 Two pieces : rotary converter for 220 volts, direct current to 150 volt A.C. current at 10 amperes, complete with protective condenser
- 428 An auto conduction couch
- 429 Horizontal automatic arc lamp with support on wooden base, with resistance, and 3 coloured screens for light therapy
- 430 Two pieces : A therapeutic arc lamp with reflector, on stand
- 431 A high frequency current machine, including table, resonator, and oil immersed condensers with spark gap
- 432 Grevillite therapeutic lamp fitted with 2,000 c.p. heat and light unit, reflector and wall bracket, by Medical Supply Association
- 433 An electric metronome, electrically propelled for interrupting the electric current
- 434 A marble switchboard, containing faradic coil regulating device
- 435 A small rotary converter for electrical treatment
- 436 A Gaiffe D'Arsonval high frequency current apparatus, including oak cabinet, controlling switchboard, static transformer, condenser, water resistances, spark gap, etc., and 2 Villard valve tubes on stand by Gaiffe, of Paris
- 437 A small automatic arc lamp on stand, with resistance for therapeutic work
- 438 Three distribution boards, and 1 metal arc lamp shade

- 439 Seven pieces : full length reclining light bath with cover and switchboard, also 4 automatic arc lamps for same
- 440 Five pieces : Schnee 4-cell bath with iron supports for arm, baths, and chair
- 441 Three pieces : 1 portable vibrator, 1 hot air douche, and 1 metronome interrupter
- 442 Three pieces : 3 radiators, 200 volts
- 443 Half body light bath with 12 lamps and coloured screens
- 444 Weighing machine up to 20 stone
- 445 Three pieces : 2 automatic arc lamps for light bath, and 1 arm bath
- 446 Two pieces : 2 metal heat baths
- 447 Two pieces : therapeutic arc lamp, automatic horizontal pattern on support, and 4 legged base, 2 coloured screens
- 448 Two pieces : motor driven limb exerciser, with box of fittings
- 449 Two pieces : 2 nebulizers
- 450 Two pieces : 2 couches
- 451 Two pieces : 1 switchboard for Professor Bergonie's treatment complete, with chair
- 452 Two pieces : distribution board and small fan motor
- 453 Three pieces : 3 arc lamp resistances
- 454 Heat bath for limbs
- 455 Two pieces : 2 ditto
- 456 Condenser testing set
- 457 An 8-in. dial milliamperemeter, hot wire type, reading 0-1000 on oak pedestal
- 458 An automatic arc lamp on stand
- 459 A 1,000 watt $\frac{1}{2}$ -watt lamp in coppered reflector on stand
- 460 A hand-fed arc lamp on stand with condensing tube
- 461 Three pieces : 1 Bergonie marble switchboard, faradic coil, and electric chair
- 462 Electric metronome for interrupting electric current
- 463 Two pieces : 3 phase sinusoidal switchboard with motor converter on table
- 464 Marble switchboard for ionisation

- 465 Four pieces : 2 porcelain foot baths and
2 oak stands
- 466 Hand driven air suction machine with
16 glass applicators (Biers' apparatus)
- 467 Quantity of high frequency current vacuum
electrodes and applicators
- 468 An arc lamp pendant with quartz globe
- 469 An electric fan with accumulator
- 470 A horizontal couch
- 471 A 9½-in. by 7-in. fluorescent screen
- 471A Static table and electric chair
- 472 Quantity of sundry pieces of apparatus
- 473 Ditto
- 474 Three oak chairs and one other
- 475 Three pieces : 1 small stained square table,
1 ditto bamboo, and 1 stool
- 476 Four pieces : 4 pieces blue matting
- 477 An oak reclining chair with cushion
- 478 Four pieces : 2 basket chairs and 2 others
- 479 Two pieces : 1 bamboo occasional table,
and 1 stained ditto
- 480 Six pieces : 6 rush-seated chairs
- 481 Five pieces : 2 occasional chairs, 1 oak
chair with rush-seat, another, ditto, no
back
- 482 Two pieces : A 4-fold screen and a bamboo
occasional table
- 483 Four pieces : 3 folding tables, 1 small pair
of scales
- 484 Two pieces : 1 mirror in oak frame, and 1
in painted frame
- 485 Four pieces : 1 stained occasional table,
2 bamboo ditto, and 1 towel horse
- 486 Seven pieces : cane chair, 4 cushions,
piece of carpet, and small overlay
- 487 Quantity of medical and other books
- 488 Sixteen pieces : 14 blue casement cloth
curtains, 1 pair green serge ditto
- 489 Five pieces : 4 pillows, 2 cushions, and 1
green hassock
- 490 A walnut framed easy chair covered with
tapestry

- 491 Two pieces: 1 oak framed arm-chair,
rush seat, and 1 small office mirror
- 492 Four pieces: 1 wicker chair, 3 occasional
bamboo tables
- 493 On oak office desk, drop front, and fitted
interior
- 494 An oak office chair, adjustable

END OF SALE.

SALE ANNOUNCEMENTS.

TUESDAY, OCTOBER 19th :—

The Collection of Brass and Copper Deities, formed by the late Professor J. Nelson Fraser, of Bombay University.

Also Curios, various. Arms and Armour, etc.

FRIDAY, OCTOBER 22nd :—

Photographic, Scientific and Miscellanies.

TUESDAY, OCTOBER 26th :—

An extensive Collection of British Lepidoptera, arranged in two valuable Mahogany Cabinets, each of 40 drawers, containing *C. Dispar*, *N. subrosea*, and other rare and extinct species.

A smaller Collection formed by the late Mr. Lawson, of Perth.

Also the Collection formed by Captain R. S. Gwatkin Williams, R.N., arranged in four 12-drawer Mahogany Cabinets, including *Antiopa* and *Perspicillaris* (*Polyodon*) taken by himself; a pair of *Dispar*, *Corydon* variety, and other scarce and interesting forms in excellent condition.

Store Boxes; Collecting Apparatus; Books.

STEVENS' AUCTION ROOMS.

ESTABLISHED 1760.

Important to Trustees, Executors and others.

Mr. J. C. STEVENS begs to call attention
to the Sales regularly held at his Rooms.

SCIENTIFIC, ELECTRICAL AND
PHOTOGRAPHIC APPARATUS
AND MISCELLANIES.

EVERY FRIDAY a Sale is held which includes
Microscopes, Telescopes, Cameras, Lenses, Lan-
terns, Cinematographs, Theodolites and Levels,
and every class of Scientific Instrument; Lathes
and Tools, Furniture, Silver Plate, Jewellery,
Fishing Tackle, and Sporting Requisites.

CURIOS, CHINA, BRONZES,
ARMS AND ARMOUR, IVORIES,
ETHNOGRAPHICAL SPECIMENS, etc.

A Sale is held on **TUESDAYS**, twice in every
month.

NATURAL HISTORY SPECIMENS.

MONTHLY Sales of Collections relating to
Entomology, Ornithology, Conchology, Minerals,
Heads and Horns, Cabinets, etc.

BOOKS.

Frequent Sales of Libraries relating to Natural
History and kindred subjects.

Sales undertaken in Town and Country.
Valuations for Probate and other purposes.
Collections catalogued and arranged for sale.

Telegrams:—"Auks, Rand, London."

Telephone:—Gerrard 1824.

Auction Rooms and Offices:

38 KING STREET, COVENT GARDEN, LONDON, W.C. 2.

STEVENSON'S AUCTION ROOMS

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Important to Traders, Auctioneers and others

Mr. J. C. STEVENSON has to call attention
to the Sales regularly held at his Rooms.

SCIENTIFIC, ELECTRICAL AND
PHOTOGRAPHIC APPARATUS

AND MISCELLANEOUS

EVERY FRIDAY a Sale is held which includes
Microscopes, Telescopes, Cameras, Lenses, In-
struments, Cinematographs, Theodolites and Levels,
and every class of Scientific Instrument; Lenses
and Tools, Jewellery, Silver, Glass, Jewellery,
Fishing Tackle, and Sporting Requisites.

CURIOUS CHINA, BRONZE

ARMS AND ARMOUR, ETC.

ETHNOGRAPHIC AND NATURAL HISTORY SPECIMENS

A Sale is held on TUESDAYS, twice in every
month.

NATURAL HISTORY SPECIMENS

A MONTHLY Sale of Collections relating to
Entomology, Ornithology, Conchology, Minerals,
Fishes and Herms, Cabinets, etc.

BOOKS

Frequent Sales of Libraries relating to Natural
History and kindred subjects.

38 KING STREET, LONDON, W.C.2

Phone : Gerrard 1824.

Sale No. 13,211

Sale to commence at **12.30** o'clock.

FRIDAY, OCTOBER 15th, 1920.

A CATALOGUE OF
**Photographic, Electrical &
Scientific Apparatus**

INCLUDING
CAMERAS and LENSES,
by ZEISS, ROSS, GOERZ, etc.

By order of the Sheriff of the County of London, the contents of a Radiograph Establishment removed from 26 Manchester Street, W., for convenience of sale, including :

The Valuable Electrical Apparatus, Induction Coils, Switch Boards, Light Baths, Couches, and Radiators ; also Tables, Chairs, Screens and other effects.

The first portion (modern) of the
Celebrated Collection of MICROSCOPES & ACCESSORIES,
Formed by the late **SIR FRANK CRISP, BART.**

A 4½ in. Astronomical Telescope
by DOLLOND, with expensive Equatorial Head, and Driving Clock by COOKE,
of York, other Telescopes, etc,
AND MISCELLANEOUS EFFECTS.

MR. J. C. STEVENS

WILL SELL BY AUCTION AT HIS ROOMS,
No. 38, King Street, Covent Garden, W.C. 2,
FRIDAY, OCTOBER 15th, 1920.
At **12.30** o'clock.

On view the day prior, from 12.30 till 5.30 o'clock, and Mornings from 9.30 till 12, and Catalogues had of Mr. J. C. STEVENS, 38, King Street, Covent Garden, W.C. 2.

Telegraphic Address : AUKS, RAND, LONDON.

Estab'

RIDDLE, SMITH & DUFFUS, Windsor House, Kingsway, W.C. 2, and Fore-

1A/Hmm/cm/Sal/21/326/2

CONDITIONS OF SALE.

FIRST.—The highest bidder to be the buyer, and if any dispute arise between two or more bidders the lot so disputed shall be immediately put up again and re-sold. The auctioneer reserves to himself the right to refuse any bid, also to make any alteration in the catalogue.

SECOND.—No person to advance less than one shilling; above £2 two shillings and sixpence, and so on in proportion.

THIRD.—The purchasers are to give in their names and places of abode, and, if required, to pay down a deposit of five shillings in the pound in part payment of the purchase-money, in default of which the lot or lots so purchased to be put up again and re-sold at any convenient opportunity during the sale or otherwise.

FOURTH.—The lots are to be taken away and paid for, with all faults and errors of description, at the buyer's expense and risk, on the day immediately following sale. The auctioneer not being responsible for the correct description, genuineness or authenticity of, or any fault or defect in any lot, and making no warranty whatever.

Lastly.—Upon failure of complying with the above conditions, the money deposited in part payment shall be forfeited to the vendors, the lots remaining uncleared shall be re-sold by public or private sale, and the deficiency (if any) attending such re-sale, together with all incidental expenses and charges, shall be made good by the defaulters at this sale.

** * Pictures offered for sale are attributed to the artists named, but no guarantee as to their genuineness is given or implied.*

NO LOTS WILL BE TRANSFERRED.

The Clerk of the Sale has authority to refuse Cheques.

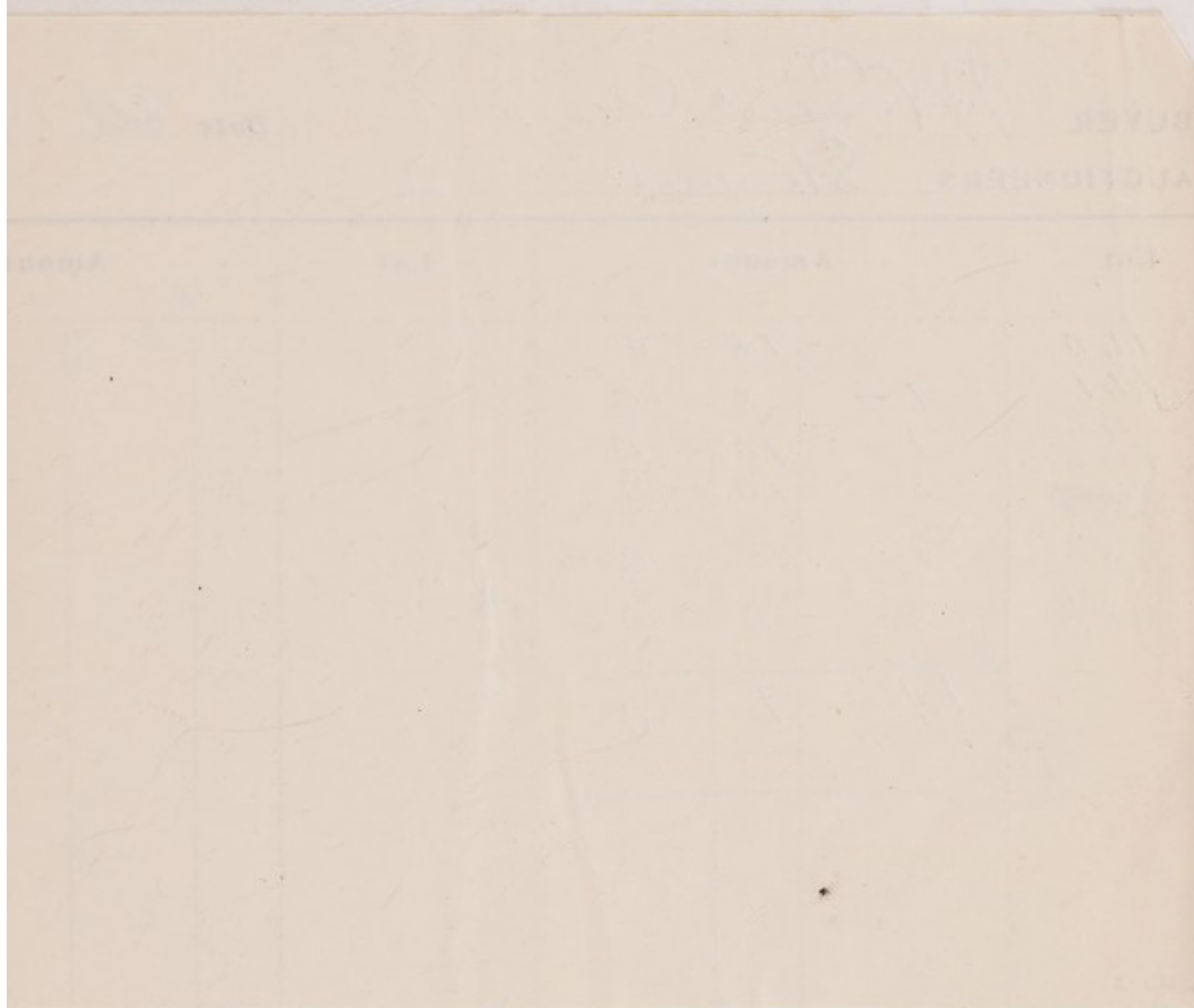
CHARGE FOR WAREHOUSING WILL BE MADE ON LOTS NOT CLEARED PROMPTLY.

Phone :—

1824.

Telegrams :—

AUKS, RAND.



BUYER

J. W. Simeel.

Date

Oct. 15,

AUCTIONEERS

Stevens.

Lot	Amount			Lot	Amount		
	£	s.	d.		£	s.	d.
140	—	18	0				
141	1—	8	0				
142	1—	10	0				
196	3—	10	0				
212							
485	1—	15	0 ✓				
492	2—	0	0 ✓				
	11—	1	0				

A CATALOGUE

Friday, October 15th, 1920.

AT 12.30 O'CLOCK.

ON VIEW :

Thursday, 12.30 to 5.30 p.m.

Friday, 9.30 a.m. to 12 noon.

MISCELLANIES.

Lot

- | | |
|----|---|
| 1 | English made ship's clock, chain driven, lever movement |
| 2 | A large model yacht on stand, with sails |
| 3 | A $\frac{3}{4}$ -size violin by Withers and bow, in case |
| 4 | Two brass ceiling electric brackets with holophone globes, 8 brass wall electric brackets, 6 shades, wall holders, etc. |
| 6 | Commercial standard typewriter, new |
| 7 | A Rex 4-h.p. motor cycle, special engine, long stroke, Bosch magneto, free engine ; in perfect running order |
| 8 | 250 strong paper brown bags, 28lbs. |
| 9 | 250 ditto, ditto |
| 10 | 150 ditto, 14lbs. |
| 11 | 150 ditto, ditto |
| 12 | 250 ditto, 7lbs. |
| 13 | 250 ditto, ditto |
| 14 | 250 ditto, 3lbs. |
| 15 | 250 ditto, ditto |

- 16 A 5-stone diamond half-hoop ring
- 17 Fine solid imitation pearl necklace
- 18 Two lady's silver wrist watches
- 19 Lady's expanding keyless watch bracelet
- 20 Large new accumulator
- 21 Turbine model engine
- 22 Three volt and amp. meters, Dead-Beat
- 23 Twelve sets full-size lantern slides with readings
- 24 A $\frac{1}{4}$ -plate folding camera with F/8 R.R. lenses, various speeds, 2 slides and antinous release ; new, perfect
- 25 A $5\frac{1}{2}$ -in. enlarging condenser, perfect
- 26 Two lantern lenses and a cinematograph lens
- 27 Aluminium stereoscope and 2 dozen slides for same
- 28 Large new medical coil in case
- 29 Expensive clockwork railway, in perfect condition ; new
- 30 Three new electric bells
- 31 Twelve $\frac{1}{4}$ -plate metal dark slides
- 32 100 tested and guaranteed metal filament pocket lamp bulbs
- 33 Large quantity of ditto, loose (A.F.)
- 34 Lecturer's lantern complete with condenser and rackwork front ; new
- 35 Large vertical steam engine in perfect order ; new
- 36 Two 4-in. Plano convex condensers
- 37 Twelve sets coloured lantern slides with readings

PHOTOGRAPHIC APPARATUS, &c.

- 38 A $\frac{1}{4}$ -plate folding Ensign camera for roll films or plates, fine F/8 lens, Ibsso fully-speeded shutter and leather case
- 39 Fine Zeiss prism monocular, 8x, in leather case
- 40 No. 2 Brownie Kodak, $3\frac{1}{4}$ in. by $2\frac{1}{4}$ in.
- 41 A $\frac{1}{4}$ -plate stand camera
- 42 *Roylex* $3\frac{1}{2}$ in. by $2\frac{1}{2}$ in. *Newman & Guardia* camera, *Zeiss-Tessar* lens, F/4.5, F.P. adapter and leather case

- 43 A $\frac{1}{4}$ -plate roll film camera, Beck symmetrical lens, Bausch & Lomb shutter
- 44 No. 2 folding Brownie, $3\frac{1}{2}$ in. by $2\frac{1}{2}$ in.
- 45 *Fine quality binocular microscope by Collins in mahogany case, 2 pairs eyepieces, $\frac{1}{4}$ -in., $\frac{1}{2}$ -in. and 1-in. objective, bull's-eye condenser, mechanical stage, substage condenser, live trough, etc.*
- 46 Field glasses
- 47 Fine $\frac{1}{2}$ -plate field camera outfit with R.R. lens, 3 double dark slides, tripod and focusing cloth
- 48 Velvet focusing cloth, two $\frac{1}{4}$ -plate frames, two $\frac{1}{2}$ -plate dishes, clips and camel hair brush
- 49 A 10 by 8 printing frame, three 10in. by 8in. dishes and changing bag (Bereford)
- 50 No. 1 *special folding Kodak, $3\frac{1}{2}$ in. by $2\frac{1}{4}$ in., Cooke anastigmat lens, F/6.5, Velosto fully speeded shutter, as new*
- 51 No. 3 folding pocket Kodak, R.R. lens, and ball-bearing shutter
- 52 No. 1A folding pocket, closed front model, first-class order, complete with canvas case
- 53 *Adams' Vesta $3\frac{1}{2}$ in. by $2\frac{1}{2}$ in. folding camera, Ross Xpress lens, F/4.5, acme shutter, idento finder, F.P. adapter, antinous release and leather case*
- 54 No. 3 folding pocket Kodak, R.R. lens, and ball-bearing shutter
- 55 *A $\frac{1}{4}$ -plate and 9cm. by 12cm. Goerz folding Anschutz, slides have carriers for $\frac{1}{4}$ -plate, latest model; Goerz-Dagor lens, F/4.5, focal plane shutter, 3 D.D. slides, F.P.A.. and velvet-lined leather case*
- 56 Goerz Anschutz $\frac{1}{2}$ -plate folding camera, Goerz Series III. double anastigmat lens, F/6.8, press pattern shutter, 3 D.D. slides and leather case
- 57 Gaumont's V.P. Blocknote camera, Darlot lens, 12 single slides, 3 wallets, set of 4 magnifiers and 2 printing frames

- 58 Stereoscopic stereo Weno roll film camera, fine R.R. lens ; takes full-size stereo pictures
- 59 Fine pair 8x prism binoculars, central focusing, eyepiece adjustment, and leather case
- 60 A $\frac{1}{2}$ -plate square bellows studio or field camera, Darlot patent portrait lens, and a D.D. slide
- 61 Set of drawing instruments, in case, by Thornton
- 62 Ditto
- 63 Number of spectacles, pince-nez lenses, etc.
- 64 Watch pocket carbine, $2\frac{1}{4}$ in. square, for roll films, Aldis anastigmat lens, F/7.7 speeded shutter
- 65 A $\frac{1}{4}$ -plate Lancaster instantograph stand camera, fine lens, a double slide and canvas case
- 66 Lancaster $\frac{1}{4}$ -plate portrait lens
- 67 A $\frac{1}{4}$ -plate folding camera, Aldis anastigmat lens F/7.7, F.P. adapter, 2 single slides and leather case
- 68 *A $\frac{1}{2}$ -plate triple extension Premo camera for hand or stand work, Goerz-Dagor lens, F/6.8, 180mm. focus, as new, in automat shutter, 4 double slides and leather case*
- 69 A $\frac{1}{4}$ -plate Lancaster instantograph camera, fine lens and shutter, one double slide and tripod top
- 70 No. 3 folding Kodak, $\frac{1}{4}$ -plate fine R.R. lens
- 71 A P.C. and 10 by 15cm. folding plate camera, fine lens in speeded shutter, double extension, F.P. adapter
- 72 Metal telescopic tripod
- 73 Watkins' Bee meter, 3 odd lenses and $\frac{1}{2}$ -plate focusing cloth
- 74 Large size tripod and metal top
- 75 Large size Jaynay tripod
- 76 No. 3 folding pocket Kodak, Ross-Goerz anastigmat lens F/6.8, fully speeded shutter and leather case
- 77 A dozen 6 exp. 2c. Kodak spools

- 78 A $3\frac{1}{2}$ by $2\frac{1}{2}$ in. folding plate camera, fine rapid aplanat lens, 3 slides and F.P. adapter
- 79 Magazine $\frac{1}{4}$ -plate camera, fine lens
- 80 Fine pair of field glasses in leather case
- 81 No. 1 Junior Auto Kodak, $3\frac{1}{4}$ by $2\frac{1}{4}$ in., F/7.7 anastigmat lens, speeded shutter; been used very little
- 82 No. 1 Junior Autographic Kodak, $3\frac{1}{4}$ by $2\frac{1}{4}$ in. fine R.R. lens; black leather case
- 83 A $3\frac{1}{2}$ by $2\frac{1}{2}$ in. Clincher magazine camera
- 84 Box model Kodak, 10-guinea old model
- 85 No. 3 *special folding Kodak, $\frac{1}{4}$ -plate for roll films or plates, Cooke anastigmat lens 6.3, Velosto shutter, also fitted to take film packs; complete with plate holders, film adapter and leather case, cost £26 recently*
- 86 A 9 by 12c.m. folding camera, fine extra rapid Aplanat lens, speeded shutter, 2 slides and film pack adapter; strong leather case
- 87 No. 4 folding Kodak 5in. by 4in. for roll film, Ross homocentric lens, 6.3 speeded shutter; leather case as new, never used
- 88 A No. 3 Cartridge Kodak, $\frac{1}{4}$ -plate for roll films and plates, double extension, fine R.R. lens, speeded shutter, 3 D.D. slides and leather case
- 89 Fine pair prism binoculars in leather case
- ✓ 90 Adams' Yale 5in. by 4in. camera, Cooke anastigmat F/6.8, changing box
- 91 Thornton-Pickard Victory reflex $3\frac{1}{2}$ in. by $2\frac{1}{2}$ in. Lustra F/5.9 anastigmat lens, 12 single slides and velvet lined leather case
- 92 No. 1 *special folding Kodak $3\frac{1}{4}$ in. by $2\frac{1}{4}$ in., Bausch & Lomb F/6.3 anastigmat lens, compound shutter, leather case; all as new*
- 93 Icarette roll film camera, $2\frac{1}{4}$ in. square, fine lens, new condition
- 94 No. 3 folding pocket Kodak, $\frac{1}{4}$ -plate Goerz double anastigmat lens F/6.8, speeded automat shutter; fine

- 95 A 3½in. by 2½in. Tcah tropical roll film camera, Zeiss anastigmat lens, Koilos shutter; very fine for abroad
- 96 Holborn Ilex ¼-plate magazine camera for 12 plates, finest magazine camera made; Cooke anastigmat Series III. lens F/6.3, in focusing mount
- 97 Fine pair 8x magnification prism binoculars in leather case, central focusing, eyepiece adjustment
- 98 Adams' ½-plate or whole-plate, ash tripod for turn-table
- ✓ 99 No. 2 Ensignette and leather case
- 100 No. 2 folding Brownie, fine achromatic lens
- 101 No. 2A folding Brownie in new condition, with fine achromatic lens
- 102 *Goerz C.D.V. Tenax Dagor F/6.8 lens, 3 double slides and film pack adapter with tan leather case and slides in wallet, in new condition; a fine outfit*
- 103 Very fine Thornton-Pickard Ruby outfit 4 double slides, R.R. lens, roller blind shutter, tripod and string leather case
- 104 Strong wooden tripod
- 105 Very fine rule joint ash tripod by Adams & Co.
- ✓ 106 Six camera cases
- 107 A 5 by 4 Goerz lens and camera (Anschutz), back extension, changing box, film pack adapter and 3 D.D. slides
- 108 A twin lens, Reflex camera (Stereoscopic Co.)
- 109 A microscopic sub-stage by Beck.
- 110 Electric bromide printer
- 111 *A Cooke anastigmat lens, F/3.5, 4-in., Series IIA, with flange*
- 112 Five optical trial cases
- 113 Eight wardrobe locks and 15 pairs steel washered brass butts
- 114 A 24 by 18 developing sink
- 115 A 24 by 18 ditto, with back
- 116 A 21 by 15 stoneware delevoping sink with swing tap

- ✓ 117 A box of camera, brass oddments, hinges, etc.
 - ✓ 118 A Shew's $\frac{1}{4}$ -plate mahogany camera with Ross-Goerz double anastigmat F/7.7 lens, and 5 dark slides
 - 119 A 5 by 4in. mahogany camera (no lens), a double dark slide, Houghton's $\frac{1}{4}$ -plate magazine hand camera, Eastman developing tank and a quantity of photo sundries
 - ✓ 120 A Kodak Panoram camera and two $\frac{1}{4}$ -plate magazine hand cameras
 - ✓ 121 A Verascope camera in case and an aluminium collapsible tripod in leather case
 - 122 A small medical battery set, pocket microscope, mahogany box for dry cell, 2 camera view finders and an autocrome screen
 - 123 Two studio camera lenses by Voigtlander and one by Grubb
 - ✓ 124 A 12 by 10 Steinheil anastigmat lens
 - 125 Drawing instruments in case, Harling
 - ✓ 126 Two pairs electric curling irons, in cases
 - ✓ 127 No. 10 Remington visible typewriter, with backspacer, tabulator and 2 colours, in good order and condition
 - ✓ 128 Two anastigmat lenses in case
 - ✓ 129 Quantity photographic and other sundries
-
- ✓ 130 A pair of good quality prismatic binoculars
 - ✓ 131 Six table and 6 tea spoons
 - ✓ 132 Vest pocket Kodak
 - ✓ 133 Shaving mirror on stand and safety razor
 - ✓ 134 A postcard Kodak with anastigmat lens
 - ✓ 135 Pocket aneroid barometer

SURGICAL AND SCIENTIFIC APPARATUS, &c.

- ✓ 136 Leibreich's ophthalmoscope and artificial eye set in case
- ✓ 137 Medical coil in case
- ✓ 138 Landolt ophthalmoscope and sundry optical lenses, etc.

- 139 Two Bourdon pressure gauges, small guage, actinometer and sphygmomanometer
 18/- 80/- 140/ Antique operating case, stomach pump and adjustable gas bracket with bull's-eye for ophthalmic work
 28/- 40/- 141/ Carbon di-oxide snow apparatus and cylinder, 2 amputation cases and somnoform inhaler
 30/- 50/- 142/ Three cases of sounds, 3 specula in cases, pocket case of bottles, small operating case, pocket dressing case and ligatures
 ✓ 143 Three medical batteries, minor operation case, pair of spring grips and syringe in case
 40/- 144/ Four thermometers, hæmoglobinometer and electric battery
 ✓ 145 Electric Morton's ophthalmoscope
 146 Electric throat lamp and fittings in case, electric retinoscope and ditto combined laryngoscope
 147 Electric retinoscope, ditto laryngoscope and ditto head mirror
 148 A quantity of splints and surgical instruments
 149 A ditto lot
 150 Part dental engine and motor for ditto
 151 Expensive set of 7 razors in case by Joseph Rodgers & Sons
 152 ? Binocular microscope by Dancer with 2 objectives, 3 eyepieces, bull's-eye condenser, live box and stage forceps
 153 Microscope by Dollond with 1-in. and $\frac{1}{4}$ -in. objectives, 2 eyepieces and condenser
 154 Microscope by Hartnach with condenser, 2 eyepieces, 2 objectives and sundry apparatus
 155 Microscope by Crouch with 2 eyepieces, 1-in. and $\frac{1}{5}$ -in. objectives (A.F.)
 156 Mahogany cabinet fitted with 20 drawers containing a collection of 280 slides
 157 Mahogany cabinet fitted with 30 drawers containing 600 slides

Hm

47/6 9/10

- 158 Tin case of bottles, box containing 4 dozen slides, condenser and a quantity of slides, cover glasses and other apparatus
- 159 Two gas pendants
- 160 *A brass astronomical telescope by Dollond, London, with 4½-in. object glass, rack adjustment, finder, 5 astro. eyepieces fitted with sun caps, a terrestrial eyepiece, solar and star diagonals, a dew cap, contained in fitted case; also an equatorial head with hour circle divided on silver with vernier and reading microscope, separate rotation, declination circle divided on silver vernier and fitted with reading microscope, adjustable counterpoise weight, adjustment for difference of latitude, 2 levels, tangent screw slow motion, Hook's joint, and a driving clock, the whole by Cooke of York; an iron tubular pillar stand and an extra tall mahogany garden tripod with cradle top*
- ✓ 161 *A 9-in. clear aperture object glass in cell with 3-point bearing and interrupted breach block thread, believed by Grubb, and a 9-in. iris diaphragm in brass mount*
- ✓ 162 An astronomical telescope tube with 5-in. object glass, a box containing 7 eyepieces, 2 sun caps, 3 adapters, and an iron and brass equatorial head by Dollond, suitable for a 3½-in. to 4-in. telescope with tangent screw, slow motion, mounted on iron column
- ✓ 163 An opticians test case in morocco leather including fine adjustable screw fitting test frame, lens meter, anastigmat frame, pair of antique spectacles and 2 optical window tablets in opal
- ✓ 164 A 5-in. Transit theodolite in case by Harris, London, and a mahogany tripod
- ✓ 165 A small astronomical quadrant on stand fitted with telescope
- ✓ 166 A 9-in. circular protractor
- ✓ 167 A six inch ditto, optical square, and another divided circle

- ✓ 168 A large prism ($2\frac{3}{4}$ -in. face, 45 degrees), and another
- ✓ 169 Two rectangular lenses and 5 prisms
- ✓ 170 A 7-in. circular protractor with rackwork adjustment, reading by verniers
- ✓ 171 A telescope level for theodolite and 4 telescope eyepieces
- ✓ 172 A mining level by W. & S. Jones, and 2 tripods
- ✓ 173 A microscope stage bull's-eye condenser (no foot), a compass, amp. meter and other items in large brass lens cap
- ✓ 174 Pair of tourmaline pincers, 2 eyepiece fittings, and 2 flats for reflecting telescope
- ✓ 175 Four telescope tubes (incomplete), and a brass bearing plate
- 176 A reflecting telescope by Nairne on table tripod stand
- ✓ 177 An old sextant in mahogany case
- ✓ 178 Two ditto
- ✓ 179 A 3-in. look-out telescope and mahogany tripod
- ✓ 180 A vertical telescope
- ✓ 181 A star finding telescope with $2\frac{1}{4}$ -in. achromatic object glass and eyepiece
- ✓ 182 A pocket sextant in leather case, pocket aneroid barometer and an altazimuth mirror
- ✓ 183 Twenty-eight small unmounted lenses, two 4-in. lenses, a 6-in. ditto and 4 others
- ✓ 184 A 4-in. lantern condenser and 4 achromatic lenses in mounts
- ✓ 185 An antique mosaic astronomical picture and a small picture of a comet
- ✓ 186 A student's microscope by Bryson, Edinburgh, rack coarse and fine adjustment, Nos. 3 and 7A Reichart objectives and another, and a number of slides, in mahogany case 957-?
- ✓ 187 A binocular microscope (body by Beck), with under-stage Abbe condenser, iris diaphragm, mechanical stage and a No. 7A objective by Reichart, in mahogany case 631-?

- ✓ 188 A polished pine cabinet of trays containing about 3 dozen microscope specimens
- ✓ 189 A direct vision star spectroscope, prism $\frac{7}{8}$ -in. diameter, with adjustable slit and cylindrical lens, standard size
- ✓ 190 A monocular microscope by Ross with mechanical stage, coarse and fine adjustment, 3 eyepieces, spot lens, diaphragm, live box, forceps, and convex mirror; in mahogany case 85/- King
- ✓ 191 A mahogany cabinet with glass front and labelled drawers, containing about 500 objects
- ✓ 192 A mahogany micro cabinet, 21 drawers, to hold 3 rows of 8, total 504 slides; ivory knobs and 2 porcelain labels, velvet-lined drawers, glass panelled doors, brass handle to top of cabinet, lock and key
- ✓ 193 Thirty-six fine insects and parts, by Enoch, Topping, and Clarke & Page
- ✓ 194 A case containing 24 fine diatom slides, some grouped and arranged
- ✓ 195 Fine Lord's Prayer diamond writing signed by Webb and dated 1862, and a stage micrometer 1/100 and 1/1000
- 101/- 85/- 196) A large binocular prismatic periscope taken from a German submarine H m m

*The first portion (modern) of the celebrated collection
of microscopes and accessories, formed by the late
Sir Frank Crisp, Bart.*

- ✓ 201 Beck's best quality International microscope with graduated rotating and mechanical stage, graduated fine adjustment, adjustment for width of eyes, rack adjusting sub-stage with screw to centre condenser, the whole instrument rotating on base and graduated £15/10/-
- ✓ 202 A bull's-eye stand condenser
- ✓ 203 A 4/10-in. microscope objective with graduated correction by Beck
- ✓ 204 A 1½-in. objective in case
- ✓ 205 A 1-in. objective by Collins

- 206 A 1/6-in. objective by R. & J. Beck, specially mounted for use with binocular
- ✓ 207 A 1/20 objective by R. & J. Beck
- ✓ 208 A student's microscope by Zeiss
- ✓ 209 An "A" variable objective by Zeiss
- ✓ 210 Dissecting lens, No. 124, by Zeiss
- ✓ 211 Zeiss A. A. 5/4
- ✓ 212 Zeiss objective with correction collar
- ✓ 213 Zeiss oil immersion objective, N.A. 1.30.
- ✓ 214 Zeiss low power objective
- ✓ 215 Zeiss 1/8-in. apochromatic oil immersion, N.A. 1.40
- ✓ 216 High-class presentation binocular, with mechanical stage fitted with vernier micrometer, divided on silver with graduated rotation, fitted with vernier and centring screws, rack adjusting, rotating graduated sub-stage divided on silver, with centring screws, graduated fine adjustment. *By Swift*. Pair of "A" eye-pieces
- ✓ 217 High-class petrological microscope, with rotating stage graduated on silver, and reading by Vernier, and fitted with graduated micrometer movements, eyepiece with graduated special cut nicol analyser, graduated fine adjustment, quadruple rotating nosepiece, and Nos. 3, 5, 7, and 9 immersion objectives, by Fuss
- ✓ 218 Bull's-eye stand condenser
- ✓ 219 Portable microscope lamp by Swift
- ✓ 220 Elaborately mounted microscope lamp; Dallinger rack adjustment for height, horizontal rack adjustment, and rack adjusting centring bull's-eye condenser
- ✓ 221 An adjustable microscope lamp
- 222/222 Expensively made museum microscope for 8 specimens, fitted with eyepiece and objective,* by Klonne & Muller
- ✓ 223 Lenhossek's polymicroscopium containing a few slides, with rack adjusting body, tube fitted with capped eyepiece, and extra horse shoe base stand, forming an ordinary microscope

- ✓ 224 A stand condenser, 5-in. lens by Ross
 ✓ 225 Two bull's-eye stand condensers
 20/- 226 Museum microscope, fitted with rotating
 object holder to take 20 objects, fitted
 with special achromatic objective and
 eyepiece
 ✓ 227 Zeiss C. objective
 ✓ 228 Best quality petrological microscope
 rotating graduated stage, swing-out
 adjusting sub-stage, fitted with polariser
 and condenser, graduated eyepiece,
 special nicol prism analyser, and rotating
 adjustable selenite plate by Carl Zeiss
 ✓ 229 Microscope by Anderson, rack coarse
 adjustment, graduated fine adjustment,
 rack adjusting draw tube, mechanical
 rotating stage, rack adjusting centering
 sub-stage, fitted with "A" eyepiece
 ✓ 230 Bacteriological microscope, mechanical
 stage, rack adjustment, swing out sub-
 stage, fitted with Abbe condenser,
 graduated micrometer screw fine adjust-
 ment, rack coarse adjustment
 ✓ 231 Petrological microscope, graduated rotating
 stage, graduated eyepiece, and rotating
 graduating polariser
 ✓ 232 Griffiths' club microscope, in case with
 eyepiece, and other fittings
 ✓ 233 Bull's-eye stand condenser with universal
 movements
 ✓ 234 Portable microscope by Nacet, in case,
 Nos. 2, 3, and 9 objectives, and another
 objective, eyepiece, etc.
 ✓ 235 Swifts portable compound microscope,
 fitted with inclining movement on tripod,
 four eyepieces, polariscope and analyser,
 1-in., $\frac{1}{4}$ -in., $\frac{1}{8}$ -in., and $\frac{1}{16}$ -in. immersion
 objectives, achromatic condenser with
 diaphragm stops, etc. This beautiful and
 complete little microscope is fitted into
 a case measuring 4in. by $2\frac{1}{2}$ in. by 2in.
 ✓ 236 Portable microscope by Nacet, fitted
 with objective, 2 eyepieces, and stage
 condenser. in case

50/- Cond

£ 16/10/-

5/10/-

7/2/-

£ 7.

72/6 Cond

65/- Cond

£ 10/10/-

4/- of - made

7-6-11
 3-15-11

- 237 Demonstration microscope by Leitz, fitted with No. 1 eyepiece and No. 3 objective
- ✓ 238 Demonstration microscope, fitted with objective and eyepiece, and *another* with eyepiece on stand (2)
- ✓ 239 Demonstration microscope, fitted with 3-power achromatic objective and Lieberkuhn, and *another* (2)
- 10/- 240 Beck's museum microscope, fitted with rack coarse adjustment, eyepiece and lamp
- 10/- 241 Demonstration microscope by How, and *another* with rack adjustment (2)
- 15/- 242 Demonstration microscope, fitted with lamp on swinging tailpiece
- 18/- 243 Expensively made microscope by Nachet, fitted with eyepiece and stage bull's-eye
- ✓ 244 *Field's ratio polariscope, graduated revolving selenites* for the exact determination of polarised light, fitted with a magnificent nicol prism, 1 $\frac{3}{8}$ in. diameter by 3in.
- ✓ 245 Large polarizing prism, 1in. by 2 $\frac{5}{8}$ in.
- ✓ 246 Richards' selenite holder, fitted with three swing-out selenites
- 247 Prazmowski's analysing goniometer eyepiece, fitted with special square cut prism
- 248 Sorby's spectroscopic polariscopic eyepiece, by R. & J. Beck, fitted with spectroscopic prism, adjustable slit, and 2 revolving nicol prisms
- 249 Zeiss' apparatus for monochromatic light, and extra adjustable stand, fitted with bull's-eye condenser
- 250 Abbe condenser by Zeiss for English stand, fitted with rack adjustment, diaphragm holder
- 251 Swifts low power sub-stage condenser, and another (2)
- 252 An iris diaphragm by Watson, *another* by Beck, and Davis' shutter with iris diaphragm (3)

- 253 * Swifts parabolic condenser, and Stephenson's catoptric illuminator (2)
- 254 Paraboloid and another with diaphragm, and Edmunds' condenser (3)
- 255 A 3in., lieberkuhn, by Ross, ditto, 1½in., 2in., and a ditto, ½in., by Ross, and 2 others
- 256 Wenham's paraboloid, and 4 spot lenses
- 257 Osborn's diatom exhibitor, Nacet's prism, and set of diaphragms with 12 apertures
- 258 Stage bull's-eye, wheel of diaphragms, and 2 silver side reflectors
- 259 Gillets' sub-stage condenser, and Beck's achromatic condenser
- ✓ 260 Ross' achromatic condenser, and a condenser in long tube
- ✓ 261 Bausch & Lomb Optical Co.'s oil immersion sub-stage condenser, with special diaphragm and centring sub-stage adapter
- ✓ 262 Beck's best achromatic sub-stage condenser
- ✓ 263 Fine polariscope, fitted with a Glan-Thompson square end, ⅝-in. prism by Ahrens
- ✓ 264 Micro spectroscope of elaborate construction with adjustable slit, micrometer movement rack adjustment, and mirrors fitted with ball and socket movements
- ✓ 265 Merz's eyepiece micrometer
- ✓ 266 Aluminium quadruple nosepiece
- 267 Triple rotating nosepiece
- ✓ 268 Five live boxes
- ✓ 269 Zoophyte trough, an animalcule cage for high powers, and Beck's life slide in case
- ✓ 270 Twelve various live boxes
- ✓ 271 Five various compressoriums
- ✓ 272 Six ditto
- ✓ 273 Zeiss' micrometer stage
- 274 Boecker's mechanical stage with movements in both directions, reading by verniers divided on silver
- 275 Beck's revolving disc holder and 72 discs

- 276 Small spark coil, and another electrical instrument for the microscope
- ✓ 277 A case of collecting tubes, set of dipping tubes in case, a number of zoophyte troughs, and other mounted sundries
- 278 Micrometer razor, and a number of mounting knives, scissors and forceps
- ✓ 279 Lever micrometer for measuring thickness of cover, and glasses by Ross
- ✓ 280 Two ditto
- 307-281 *Woodward's apertometer microscope with a circle 10in. radius, divided in silver, fitted with a radial arm carrying microscope body and eyepiece; standard size, and provided with a vernier clamp and tangent screw, 2 glass apertometers in case—the whole mounted on a substantial tripod table, specially made by R. & J. Beck; (only one other made)* 17. *Count*
- ✓ 282 An original defraction grating ruled on glass, and signed and dated 1863, in case, by Nobert
- ✓ 283 A goniometer eyepiece with graduated circle, reading by 2 verniers and pointer, fitted with quartz prism in case
- 284 Zeiss compensating eyepiece, No. 2, 135 mm., for English stand
- 285 Zeiss compensating eyepiece, No. 4, 67 mm., for 10in. tube
- 286 Zeiss compensating eyepiece, No. 8, 34 mm., ditto
- 287 Zeiss compensating eyepiece, No. 27, 10 mm., ditto
- 288 Zeiss projecting eyepiece, No. 3
- ✓ 289 Zeiss compensating eyepiece, 15 mm.
- ✓ 290 Zeiss compensating eyepiece, No. 6
- ✓ 291 Eyepiece, No. 4, with cross threads, and 7 others
- ✓ 292 Pair of "C" Kelner's orthoscopic eyepieces by Ross, one with indicator; a pair of "A" capped eyepieces, and a micrometer eyepiece by Ross

- ✓ 293 "D" Kelner orthoscopic eyepiece;
"A" eyepiece, with pivoted finder;
"C" ditto (ordinary); "D" ordinary
eyepiece; "E" ditto; and "F" ditto
- ✓ 294 No. 5 orthoscopic eyepiece by Zeiss;
No. 2 sliding eyepiece and cross thread,
and 2 other eyepieces
- ✓ 295 Eight various eyepieces
- 12/- 296 An expensively made spectrograph with 5-57-count
divided circle reading by verniers (A.F.)
- ✓ 297 Thomas' expensively made microscope
for the examination of blood circulation
in large animals, by Jung, Heidelberg 57-count
- ✓ 299 Abbe's refractometer with divided circles
and rotating adjustment by Zeiss
- ✓ 300 Swifts mineral microscope with diagonal
rack adjustment and rotating movements 70/-
- 15/- 301 Giant microscope, specially constructed
for the examination of large objects
under polarized light, rack adjustment to
both stage and mirror, by C. D. Ahrens,
London £ 12/0 p. Cou
- 12/- 302 Nachet's crane arm microscope for the
examination of large objects £ 4 Count
- 303 Powell & Lealand's dissecting microscope
- ✓ 304 Moginie's portable binocular, rack adjust-
ing stage, fitted with a pair of "A"
capped eyepieces
- 305 Swift & Son's Paragon binocular with
patent double rack coarse adjustment,
rack adjustment for width of eyes,
patent side fine adjustment, rotating
mechanical stage, and rack adjusting sub-
stage, with centering screws
- 306 Dippel's spectro polariscope
- ✓ 307 Beck's portable binocular microscope,
rack coarse adjustment, divided fine
adjustment, rack adjustment for width
of eyes, rack adjusting sub-stage, fitted
with revolving polariscope and achro-
matic sub-stage condenser, revolving
analyser and spot lens in case

- 308 *Wenham's radial microscope, diagonal rack coarse adjustment, frictionless patent fine adjustment, sector inclination, from the perpendicular to the horizontal, lateral inclination to the limb; the whole instrument rotates on the lower base plate which is graduated; graduated rotating mechanical stage, rotating rack adjusting sub-stage, fitted with adjustable lamp; in new condition by Ross* £10 cont
- ✓ 309
157-310 Micrometer by Bausch & Lomb
- 121-311 Ahren's triocular bodied microscope, fitted with 3 achromatic objectives and 3 eyepieces £7.00
- 107-312 Scobell's dissecting microscope, fitted with compound body, 2 achromatic magnifying powers, and 2 other lenses £3.00
- 107-312 Chevalier's dissecting microscope with erecting prism £4.
- 313 Micro spectroscope fitted with micrometer, by Browning
- 314 Ramsden's micrometer eyepiece, by Ross
- 315 Royston-Piggott's micrometer eyepiece
- 316 Abbe's micrometer eyepiece
- 317 Two aluminium nosepieces, quadruple and double
- 318 One quadruple nosepiece and 2 double nosepieces
- 319 An elaborate micrometer stage, m.m. in 100 parts, rotating graduated circle, reading by 2 verniers
- 320 Nachet's camera lucida, Woolleston's ditto, eyepiece fitted with Nachet's erecting prism, and 2 others
- 321 Goniometer fitted with revolving nicol prism, by Beck
- 322 Beck's parallel compressor for high powers, another compressor, Piper's revolving object holder, and a ball and socket revolving stage
- 323 Compressor for high powers, Fols' compressor for high powers, and an adjustable mineral holder
- 324 Bacteriological microscope by Ploss & Co.

- 325 Research microscope, mechanical rack coarse adjustment, and mechanical rotating goniometer, stage reading by Vernier
- 326 A 4/10-in. objective by R. & J. Beck, with graduated correction collar
- 327 A 4-in Powell objective and a 1/6-in. objective graduated correction collar by Swift
- 328 A 1/4-in. objective in case and another objective
- 329 Two small objectives in case, and another objective
- 330 A 1/8-in. oil immersion by Powell & Lealand
- 331 A 1/2-in. objective with cone front
- 332 A 1/16-in. immersion objective with graduated corrections by Gundlach
- 333 Aquarium microscope, rack adjustment fitted with a stage bull's-eye, 2 7/8 in. diameter lens
- ✓ 334 Small museum microscope with 6 discs of objects in leather-covered case, and three others
- ✓ 335 Three small museum microscopes in cases, a pocket microscope by Klonne & Muller, and 5 others
- ✓ 336 Fifteen small microscopes *337 - 8 hours*
- ✓ 337 Ten ditto *287 - count*
- ✓ 338 Ten small magnifying glasses
- ✓ 339 Twelve ditto
- ✓ 340 Eight magnifying glasses, etc.
- ✓ 341 Dick's petrological microscope with graduated revolving stage, revolving polariser, fitted with high power condenser, revolving analyser with goniometer, removable selenite plate by Swift
- ✓ 342 Expensively-made microscope with horizontal and vertical rack adjustment for measurement of fibres in silk etc., fitted with eyepiece and objective
- 57- 343 Two expensively made models of the eye, and one of the brain *657 - count*

- ✓ 344 Small field microscope and telescope in leather case, rack adjusting illuminating prism, 4 diaphragms, nicol prism (A.F) and other micro sundries
- ✓ 345 Pair of eyepieces, pair of " B " eyepieces by Powell and 2 others
- ✓ 346 Seven various eyepieces
- ✓ 347 Nine ditto
- ✓ 348 Student's microscope by Swift, diagonal rack coarse adjustment, patent side fine adjustment, Nelson stage etc.
- ✓ 349 Portable microscope by Ross, rack coarse adjustment and adjustable mirror
- 167/ 350(Abren's erecting microscope with rack coarse adjustment fitted with movable stage and capped eyepiece 7 cm
- 351 Student's binocular microscope, adjustment for width of eyes, rack coarse adjustment by Baker
- 352 Dissecting microscope rack adjusting, fitted with achromatic lens and extra stage by Zeiss
- 353 Brucke lens, on rack adjusting lens holder by Zeiss
- 354 Small dissecting microscope by Zeiss. fitted with one power
- 355 Cylindrical magnifying lens on adjusting stage
- 356 Binocular dissecting microscope fitted with dissecting instruments, by Collins
- 357 Gillet's sub-stage condenser and a camera lucida by Powell, in case
- 358 Browning's pocket microscope with 2 objectives, eyepiece and spot lens
- 359 Parallel compressorium by Ross, and Roussellet's compressorium, and another
- 360 Three stand bull's-eye condensers
- 361 Two mounted prisms
- 362 Two stand condensers
- 363 Selenite stage by Swift, fitted with 3 rotating selenites and extra mica slide
- 364 Abbe's binocular eyepiece
- 365 Powell & Lealand smaller tripod stand, fitted with mechanical stage

- 366 A revolving goniometer rack revolving eyepiece with verniers by Ross
- 367 Fifteen pairs of hand forceps, and 14 pairs of stage forceps
- 368 Three dozen finely mounted anatomical slides, all by Cole or Topping
- 369 Twenty-eight fine injected physiological slides, all by Cole
- 370 Thirty-one polariscope objects, by Topping and others
- 371 Twelve fine test diatoms by Moller, chiefly in monobromide ; in plush-lined pocket case
- 372 Twenty-six test and other diatoms, some grouped
- 373 Two fine slides of grouped diatoms and 4 other arranged slides
- 374 Three dozen various
- 375 Ditto
- 376 Seventeen fine insect slides by Enoch, including the scarce fairy fly, and 7 others
- 377 Thirty fine insect eggs
- 378 Three dozen various crustacea, etc.
- 379 Three dozen polycystina (some arranged and grouped) and foraminifera, etc.
- 380 Three dozen botanical and other slides
- 381 Three dozen ditto
- 382 Three dozen ditto
- 383 Three dozen micro fungi, etc.
- 384 Two dozen fine rock sections
- 385 Ditto, and polarising slides, mixed
- 386 Twenty-one scarce platino cyanides of magnesium, barium, etc., all by Cole, and 3 others
- 387 Slide of arranged butterfly scales, forming flowers, birds and butterflies, and ditto spray of flowers
- 388 Ditto, humming bird and butterfly, and another similar, and a humming bird
- 389 Ditto, two lizards etc., another spray of fern, and another spray and 2 butterflies
- 390 Ditto, spray of flowers and three butterflies, and another, bird and two butterflies

- 391 Three fine arranged groups of diatoms and a test slide of ditto
- 392 Sixteen fine micro-photographs and 7 others
- 393 Fifteen fine test podura and other scales, including a fine curvicollis, *now very scarce*
- 394 Ditto, lots containing 24 test objects etc.
- 395 A micro ruling by W. Teasdale, 10 bands, complex curvilinear tracing, 3 figures, and a compound vibration curve
- 396 Webb's test, the Lord's Prayer, more than 10 Bibles to the inch; ditto, another, 9 ditto
- 397 Ditto, another, 8 Bibles to the inch; 7 ditto; and 6 ditto
- 398 Ditto, another, 5 Bibles to the inch; 4 ditto; and 3 ditto
- 399 A fine ditto, 22 Bibles to the inch
- 400 Ditto, 32 Bibles to the inch, in case
- 401 Ditto, 38 Bibles to the inch, in case
- 402 *An extremely rare ruling Nobert's test slide, 7 bands mounted in brass, signed F. A. Nobert*
- 403 Ditto, ditto, 10 bands signed
- 404 Ditto, ditto, 15 bands signed
- 405 Ditto, ditto, 19 bands signed
- 406 A Moller type slide, 400 varieties in case *with list of names*; quite perfect
- 407 A Moller type slide, 400 varieties, with the name of each *photographed* underneath it in case; *now very scarce*
- 408 A fine type slide of foraminifera with names in case

ELECTRICAL APPARATUS, &c.

- 409 A field telephone set with buzzer and condenser in mahogany case
- 410 Ditto, with additional receiver

To be sold at 4.45 o'clock.

By order of the Sheriff of the County of London, the contents of a Radiograph establishment. Removed from 26 Manchester Street, Manchester Square, for convenience of sale.

- 411 A diathermy apparatus
- 412 Comprising 4 pieces: 2 galvanosets for ionisation, 1 current reverser with clock-work metronome, 1 commutator for Schnee 4-cell bath
- 413 Three pieces: high frequency current apparatus, by the Medical Supply Association, including oak stand, resonator, and oil immersed condensers, etc.
- 414 An oak X-Ray tube stand, with large lead glass shield
- 415 Five pieces: an Ideal X-Ray outfit by Medical Supply Association, including 12-in. spark intensified induction transformer, marble switchboard, oak supporting cabinet, mercury jet interrupter, condenser in oak box, 2 pilon valve tubes, milliamperemeter, spintermeter, and overhead conducting wires
- 416 A high frequency current application couch with cushions
- 417 An ozonair apparatus on table
- ✓ 419 A 6-in. spark induction coil on base, complete with commutator, interrupter, and condenser
- ✓ 420 Three pieces: 1 portable faradic current apparatus, 1 Schnee 4-cell bath commutator, and 1 accumulator charging resistance board complete with 6 lamp-holders
- ✓ 421 Cabinet complete with 2 arm and 2 leg baths
- ✓ 422 Distribution board fitted with ironclad switch and fuses

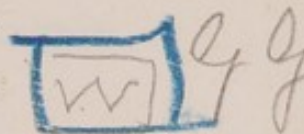
- ✓ 423 Three pieces : 1 set Professor Bergonie's apparatus, comprising marble switch board, Bergonie faradic current generator for above, and reclining couch for Bergonie treatment
- ✓ 424 Eight pieces : 1 full length electric light bath, complete with full set of mirrors
- ✓ 425 A case containing 12 Leclanche cells
- ✓ 426 Quantity of arc lamp carbons
- 427 Two pieces : rotary converter for 220 volts, direct current to 150 volt A.C. current at 10 amperes, complete with protective condenser
- 428 An auto conduction couch
- ✓ 429 Horizontal automatic arc lamp with support on wooden base, with resistance, and 3 coloured screens for light therapy
- 430 Two pieces : A therapeutic arc lamp with reflector, on stand
- 431 A high frequency current machine, including table, resonator, and oil immersed condensers with spark gap
- 432 Grevillite therapeutic lamp fitted with 2,000 c.p. heat and light unit, reflector and wall bracket, by Medical Supply Association
- 433 An electric metronome, electrically propelled for interrupting the electric current
- 434 A marble switchboard, containing faradic coil regulating device
- 435 A small rotary converter for electrical treatment
- 436 A Gaiffe D'Arsonval high frequency current apparatus, including oak cabinet, controlling switchboard, static transformer, condenser, water resistances, spark gap, etc., and 2 Villard valve tubes on stand by Gaiffe, of Paris
- 437 A small automatic arc lamp on stand, with resistance for therapeutic work
- 438 Three distribution boards, and 1 metal arc lamp shade

- 439 Seven pieces : full length reclining light bath with cover and switchboard, also 4 automatic arc lamps for same
- 440 Five pieces : Schnee 4-cell bath with iron supports for arm, baths, and chair
- 441 Three pieces : 1 portable vibrator, 1 hot air douche, and 1 metronome interrupter
- 442 Three pieces : 3 radiators, 200 volts
- 443 Half body light bath with 12 lamps and coloured screens
- 444 Weighing machine up to 20 stone
- 445 Three pieces : 2 automatic arc lamps for light bath, and 1 arm bath
- 446 Two pieces : 2 metal heat baths
- 447 Two pieces : therapeutic arc lamp, automatic horizontal pattern on support, and 4 legged base, 2 coloured screens
- 448 Two pieces : motor driven limb exerciser, with box of fittings
- 449 Two pieces : 2 nebulizers
- 450 Two pieces : 2 couches
- 451 Two pieces : 1 switchboard for Professor Bergonie's treatment complete, with chair
- 452 Two pieces : distribution board and small fan motor
- 453 Three pieces : 3 arc lamp resistances
- 454 Heat bath for limbs
- 455 Two pieces : 2 ditto
- ✓ 456 Condenser testing set
- ✓ 457 An 8-in. dial milliamperemeter, hot wire type, reading 0-1000 on oak pedestal
- 458 An automatic arc lamp on stand
- 459 A 1,000 watt $\frac{1}{2}$ -watt lamp in coppered reflector on stand
- 460 A hand-fed arc lamp on stand with condensing tube
- 461 Three pieces : 1 Bergonie marble switchboard, faradic coil, and electric chair
- 462 Electric metronome for interrupting electric current
- 463 Two pieces : 3 phase sinusoidal switchboard with motor converter on table
- 464 Marble switchboard for ionisation

- ✓ 465 Four pieces : 2 porcelain foot baths and 2 oak stands
- ✓ 466 Hand driven air suction machine with 16 glass applicators (Biers' apparatus)
- ✓ 467 Quantity of high frequency current vacuum electrodes and applicators
- ✓ 468 An arc lamp pendant with quartz globe
- ✓ 469 An electric fan with accumulator
- ✓ 470 A horizontal couch
- ✓ 471 A 9½-in. by 7-in. fluorescent screen
- ✓ 471A Static table and electric chair
- ✓ 472 Quantity of sundry pieces of apparatus
- ✓ 473 Ditto
- ✓ 474 Three oak chairs and one other
- ✓ 475 Three pieces : 1 small stained square table, 1 ditto bamboo, and 1 stool
- ✓ 476 Four pieces : 4 pieces blue matting
- ✓ 477 An oak reclining chair with cushion
- ✓ 478 Four pieces : 2 basket chairs and 2 others
- ✓ 479 Two pieces : 1 bamboo occasional table, and 1 stained ditto
- ✓ 480 Six pieces : 6 rush-seated chairs
- ✓ 481 Five pieces : 2 occasional chairs, 1 oak chair with rush-seat, another, ditto, no back
- ✓ 482 Two pieces : A 4-fold screen and a bamboo occasional table
- ✓ 483 Four pieces : 3 folding tables, 1 small pair of scales
- ✓ 484 Two pieces : 1 mirror in oak frame, and 1 in painted frame
- 351- 601-485 ✓ 485 Four pieces : 1 stained occasional table, 2 bamboo ditto, and 1 towel horse
- ✓ 486 Seven pieces : cane chair, 4 cushions, piece of carpet, and small overlay
- ✓ 487 Quantity of medical and other books
- ✓ 488 Sixteen pieces : 14 blue casement cloth curtains, 1 pair green serge ditto
- ✓ 489 Five pieces : 4 pillows, 2 cushions, and 1 green hassock
- ✓ 490 A walnut framed easy chair covered with tapestry

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- ✓ 491 Two pieces: 1 oak framed arm-chair,
rush seat, and 1 small office mirror
- 65/ 492 Four pieces: 1 wicker chair, 3 occasional
bamboo tables
- 493 On oak office desk, drop front, and fitted
interior
- 494 An oak office chair, adjustable



END OF SALE.

SALE ANNOUNCEMENTS.

TUESDAY, OCTOBER 19th :—

The Collection of Brass and Copper Deities,
formed by the late Professor J. Nelson Fraser,
of Bombay University.

Also Curios, various. Arms and Armour, etc.

FRIDAY, OCTOBER 22nd :—

Photographic, Scientific and Miscellanies.

TUESDAY, OCTOBER 26th :—

An extensive Collection of British Lepidoptera,
arranged in two valuable Mahogany Cabinets,
each of 40 drawers, containing C. Dispar,
N. subrosea, and other rare and extinct
species.

A smaller Collection formed by the late
Mr. Lawson, of Perth.

Also the Collection formed by Captain R. S.
Gwatkin Williams, R.N., arranged in four
12-drawer Mahogany Cabinets, including
Antiopa and Perspicillaris (Polyodon) taken
by himself; a pair of Dispar, Corydon variety,
and other scarce and interesting forms in
excellent condition.

Store Boxes; Collecting Apparatus; Books.

STEVENS' AUCTION ROOMS.

ESTABLISHED 1760.

Important to Trustees, Executors and others.

Mr. J. C. STEVENS begs to call attention
to the Sales regularly held at his Rooms.

SCIENTIFIC, ELECTRICAL AND
PHOTOGRAPHIC APPARATUS
AND MISCELLANIES.

EVERY FRIDAY a Sale is held which includes
Microscopes, Telescopes, Cameras, Lenses, Lan-
terns, Cinematographs, Theodolites and Levels,
and every class of Scientific Instrument; Lathes
and Tools, Furniture, Silver Plate, Jewellery,
Fishing Tackle, and Sporting Requisites.

CURIOS, CHINA, BRONZES,
ARMS AND ARMOUR, IVORIES,
ETHNOGRAPHICAL SPECIMENS, etc.

A Sale is held on **TUESDAYS**, twice in every
month.

NATURAL HISTORY SPECIMENS.

MONTHLY Sales of Collections relating to
Entomology, Ornithology, Conchology, Minerals,
Heads and Horns, Cabinets, etc.

BOOKS.

Frequent Sales of Libraries relating to Natural
History and kindred subjects.

Sales undertaken in Town and Country.
Valuations for Probate and other purposes.
Collections catalogued and arranged for sale.

Telegrams:—"Auks, Rand, London."

Telephone:—Gerrard 1824.

Auction Rooms and Offices:

38 KING STREET, COVENT GARDEN, LONDON, W.C. 2.

STEVENSON'S AUCTION ROOMS.

Important to Traders, Merchants and the Public.

Mr. J. C. STEVENSON, 10, Pall Mall, London, W. 1, is to call attention to the sale of goods held at the Rooms.

Scientific, Electrical, and

Photographic Apparatus, and

Miscellaneous.

EVERY FRIDAY, 10, Pall Mall, London, W. 1, is to call attention to the sale of goods held at the Rooms. The sale includes Microscopes, Telescopes, Cameras, Lenses, and every class of Scientific Instrument. Also, and, of course, Furniture, Silver, Jewellery, and other articles, and other requisites.

CHINA, JAPAN, AND

ARMOUR, IVORIES,

TRUNKS, &c.

10, Pall Mall, London, W. 1, is to call attention to the sale of goods held at the Rooms. The sale includes

Scientific, Electrical, and

Photographic Apparatus, and

Miscellaneous.

EVERY FRIDAY, 10, Pall Mall, London, W. 1, is to call attention to the sale of goods held at the Rooms. The sale includes

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Scientific, Electrical, and

Photographic Apparatus, and

Miscellaneous.

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S
Phone : Gerrard 1824.

Sale No. 13,211.

Sale to commence at **12.30** o'clock.

FRIDAY, OCTOBER 15th, 1920.

A CATALOGUE OF
**Photographic, Electrical &
Scientific Apparatus**

INCLUDING
CAMERAS and LENSES,
by ZEISS, ROSS, GOERZ, etc.

By order of the Sheriff of the County of London, the contents of a Radiograph Establishment removed from 26 Manchester Street, W., for convenience of sale, including :

The Valuable Electrical Apparatus, Induction Coils, Switch Boards, Light Baths, Couches, [and Radiators ; also Tables, Chairs, Screens and other effects.

**The first portion (modern) of the
Celebrated Collection of MICROSCOPES & ACCESSORIES,
Formed by the late SIR FRANK CRISP, BART.**

A 4½ in. Astronomical Telescope
by DOLLOND, with expensive Equatorial Head, and Driving Clock by COOKE, of York, other Telescopes, etc,

AND MISCELLANEOUS EFFECTS.

MR. J. C. STEVENS

WILL SELL BY AUCTION AT HIS ROOMS,
No. 38, King Street, Covent Garden, W.C. 2,
FRIDAY, OCTOBER 15th, 1920.
At **12.30** o'clock.

On view the day prior, from 12.30 till 5.30 o'clock, and Mornings of Sale from 9.30 till 12, and Catalogues had of Mr. J. C. STEVENS, 38 King Street, Covent Garden, W.C. 2.

Telegraphic Address : AUKS, RAND, LONDON.

Established 1760.

RIDDLE, SMITH & DUFFUS, Windsor House, Kingsway, W.C. 2, and Forest Hill, S.E. 23.

WA/MMM/cm/sal/21/326/3

CONDITIONS OF SALE.

FIRST.—The highest bidder to be the buyer, and if any dispute arise between two or more bidders the lot so disputed shall be immediately put up again and re-sold. The auctioneer reserves to himself the right to refuse any bid, also to make any alteration in the catalogue.

SECOND.—No person to advance less than one shilling ; above £2 two shillings and sixpence, and so on in proportion.

THIRD.—The purchasers are to give in their names and places of abode, and, if required, to pay down a deposit of five shillings in the pound in part payment of the purchase-money, in default of which the lot or lots so purchased to be put up again and re-sold at any convenient opportunity during the sale or otherwise.

FOURTH.—The lots are to be taken away and paid for, with all faults and errors of description, at the buyer's expense and risk, on the day immediately following sale. The auctioneer not being responsible for the correct description, genuineness or authenticity of, or any fault or defect in any lot, and making no warranty whatever.

Lastly.—Upon failure of complying with the above conditions, the money deposited in part payment shall be forfeited to the vendors, the lots remaining uncleared shall be re-sold by public or private sale, and the deficiency (if any) attending such re-sale, together with all incidental expenses and charges, shall be made good by the defaulters at this sale.

** * Pictures offered for sale are attributed to the artists named, but no guarantee as to their genuineness is given or implied.*

NO LOTS WILL BE TRANSFERRED.

The Clerk of the Sale has authority to refuse Cheques.

**A CHARGE FOR WAREHOUSING WILL BE MADE ON
LOTS NOT CLEARED PROMPTLY.**

Telephone :—
GERRARD, 1824.

Telegrams :—
AUKS, RAND.



BUYER

J. W. Simel

Date

Oct. 15,

AUCTIONEERS

Stevens

Lot	Amount			Lot	Amount	
	£	s.	d.		£	s.
140	-	18	- 0			
141	1-	8	- 0			
142	1-	10	- 0			
196	3-	10	- 0			
211						
485	1-	15	- 0			
492	2-	0	- 0			
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	11-	1	- 0			
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A CATALOGUE

Friday, October 15th, 1920.

AT 12.30 O'CLOCK.

ON VIEW :

Thursday, 12.30 to 5.30 p.m.

Friday, 9.30 a.m. to 12 noon.

MISCELLANIES.

LOT

- | | |
|----|---|
| 1 | English made ship's clock, chain driven,
lever movement |
| 2 | A large model yacht on stand, with sails |
| 3 | A $\frac{3}{4}$ -size violin by Withers and bow, in case |
| 4 | Two brass ceiling electric brackets with
holophone globes, 8 brass wall electric
brackets, 6 shades, wall holders, etc. |
| 6 | Commercial standard typewriter, new |
| 7 | A Rex 4-h.p. motor cycle, special engine,
long stroke, Bosch magneto, free engine ;
in perfect running order |
| 8 | 250 strong paper brown bags, 28lbs. |
| 9 | 250 ditto, ditto |
| 10 | 150 ditto, 14lbs. |
| 11 | 150 ditto, ditto |
| 12 | 250 ditto, 7lbs. |
| 13 | 250 ditto, ditto |
| 14 | 250 ditto, 3lbs. |
| 15 | 250 ditto, ditto |

- 16 A 5-stone diamond half-hoop ring
- 17 Fine solid imitation pearl necklace
- 18 Two lady's silver wrist watches
- 19 Lady's expanding keyless watch bracelet
- 20 Large new accumulator
- 21 Turbine model engine
- 22 Three volt and amp. meters, Dead-Beat
- 23 Twelve sets full-size lantern slides with readings
- 24 A $\frac{1}{4}$ -plate folding camera with F/8 R.R. lenses, various speeds, 2 slides and antinous release ; new, perfect
- 25 A 5 $\frac{1}{2}$ -in. enlarging condenser, perfect
- 26 Two lantern lenses and a cinematograph lens
- 27 Aluminium stereoscope and 2 dozen slides for same
- 28 Large new medical coil in case
- 29 Expensive clockwork railway, in perfect condition ; new
- 30 Three new electric bells
- 31 Twelve $\frac{1}{4}$ -plate metal dark slides
- 32 100 tested and guaranteed metal filament pocket lamp bulbs
- 33 Large quantity of ditto, loose (A.F.)
- 34 Lecturer's lantern complete with condenser and rackwork front ; new
- 35 Large vertical steam engine in perfect order ; new
- 36 Two 4-in. Plano convex condensers
- 37 Twelve sets coloured lantern slides with readings

PHOTOGRAPHIC APPARATUS, &c.

- 38 A $\frac{1}{4}$ -plate folding Ensign camera for roll films or plates, fine F/8 lens, Ibso fully-speeded shutter and leather case
- 39 Fine Zeiss prism monocular, 8x, in leather case
- 40 No. 2 Brownie Kodak, 3 $\frac{1}{4}$ in. by 2 $\frac{1}{4}$ in.
- 41 A $\frac{1}{4}$ -plate stand camera
- 42 *Roylex 3 $\frac{1}{2}$ in. by 2 $\frac{1}{2}$ in. Newman & Guardia camera, Zeiss-Tessar lens, F/4.5, F.P. adapter and leather case*

- 43 A $\frac{1}{4}$ -plate roll film camera, Beck symmetrical lens, Bausch & Lomb shutter
- 44 No. 2 folding Brownie, $3\frac{1}{2}$ in. by $2\frac{1}{2}$ in.
- 45 *Fine quality binocular microscope by Collins in mahogany case, 2 pairs eyepieces, $\frac{1}{4}$ -in., $\frac{1}{2}$ -in. and 1-in. objective, bull's-eye condenser, mechanical stage, substage condenser, live trough, etc.*
- 46 Field glasses
- 47 Fine $\frac{1}{2}$ -plate field camera outfit with R.R. lens, 3 double dark slides, tripod and focusing cloth
- 48 Velvet focusing cloth, two $\frac{1}{4}$ -plate frames, two $\frac{1}{2}$ -plate dishes, clips and camel hair brush
- 49 A 10 by 8 printing frame, three 10in. by 8in. dishes and changing bag (Bereford)
- 50 *No. 1 special folding Kodak, $3\frac{1}{2}$ in. by $2\frac{1}{4}$ in., Cooke anastigmat lens, F/6.5, Velostofully speeded shutter, as new*
- 51 No. 3 folding pocket Kodak, R.R. lens, and ball-bearing shutter
- 52 No. 1A folding pocket, closed front model, first-class order, complete with canvas case
- 53 *Adams' Vesta $3\frac{1}{2}$ in. by $2\frac{1}{2}$ in. folding camera, Ross Xpress lens, F/4.5, acme shutter, idento finder, F.P. adapter, antinous release and leather case*
- 54 No. 3 folding pocket Kodak, R.R. lens, and ball-bearing shutter
- 55 *A $\frac{1}{4}$ -plate and 9cm. by 12cm. Goerz folding Anschutz, slides have carriers for $\frac{1}{4}$ -plate, latest model; Goerz-Dagor lens, F/4.5, focal plane shutter, 3 D.D. slides, F.P.A.. and velvet-lined leather case*
- 56 Goerz Anschutz $\frac{1}{2}$ -plate folding camera, Goerz Series III. double anastigmat lens, F/6.8, press pattern shutter, 3 D.D. slides and leather case
- 57 Gaumont's V.P. Blocknote camera, Darlot lens, 12 single slides, 3 wallets, set of 4 magnifiers and 2 printing frames

- 58 Stereoscopic stereo Weno roll film camera, fine R.R. lens ; takes full-size stereo pictures
- 59 Fine pair 8x prism binoculars, central focusing, eyepiece adjustment, and leather case
- 60 A $\frac{1}{2}$ -plate square bellows studio or field camera, Darlot patent portrait lens, and a D.D. slide
- 61 Set of drawing instruments, in case, by Thornton
- 62 Ditto
- 63 Number of spectacles, pince-nez lenses, etc.
- 64 Watch pocket carbine, $2\frac{1}{4}$ in. square, for roll films, Aldis anastigmat lens, F/7.7 speeded shutter
- 65 A $\frac{1}{4}$ -plate Lancaster instantograph stand camera, fine lens, a double slide and canvas case
- 66 Lancaster $\frac{1}{4}$ -plate portrait lens
- 67 A $\frac{1}{4}$ -plate folding camera, Aldis anastigmat lens F/7.7, F.P. adapter, 2 single slides and leather case
- 68 *A $\frac{1}{2}$ -plate triple extension Premo camera for hand or stand work, Goerz-Dagor lens, F/6.8, 180mm. focus, as new, in automat shutter, 4 double slides and leather case*
- 69 A $\frac{1}{4}$ -plate Lancaster instantograph camera, fine lens and shutter, one double slide and tripod top
- 70 No. 3 folding Kodak, $\frac{1}{4}$ -plate fine R.R. lens
- 71 A P.C. and 10 by 15cm. folding plate camera, fine lens in speeded shutter, double extension, F.P. adapter
- 72 Metal telescopic tripod
- 73 Watkins' Bee meter, 3 odd lenses and $\frac{1}{2}$ -plate focusing cloth
- 74 Large size tripod and metal top
- 75 Large size Jaynay tripod
- 76 No. 3 folding pocket Kodak, Ross-Goerz anastigmat lens F/6.8, fully speeded shutter and leather case
- 77 A dozen 6 exp. 2c. Kodak spools

- 78 A 3½ by 2½in. folding plate camera, fine rapid aplanat lens, 3 slides and F.P. adapter
- 79 Magazine ¼-plate camera, fine lens
- 80 Fine pair of field glasses in leather case
- 81 No. 1 Junior Auto Kodak, 3¼ by 2¼in., F/7.7 anastigmat lens, speeded shutter; been used very little
- 82 No. 1 Junior Autographic Kodak, 3¼ by 2¼in. fine R.R. lens; black leather case
- 83 A 3½ by 2½in. Clincher magazine camera
- 84 Box model Kodak, 10-guinea old model
- 85 No. 3 *special folding Kodak, ¼-plate for roll films or plates, Cooke anastigmat lens 6.3, Velosto shutter, also fitted to take film packs; complete with plate holders, film adapter and leather case, cost £26 recently*
- 86 A 9 by 12c.m. folding camera, fine extra rapid Aplanat lens, speeded shutter, 2 slides and film pack adapter; strong leather case
- 87 No. 4 folding Kodak 5in. by 4in. for roll film, Ross homocentric lens, 6.3 speeded shutter; leather case as new, never used
- 88 A No. 3 Cartridge Kodak, ¼-plate for roll films and plates, double extension, fine R.R. lens, speeded shutter, 3 D.D. slides and leather case
- 89 Fine pair prism binoculars in leather case
- 90 Adams' Yale 5in. by 4in. camera, Cooke anastigmat F/6.8, changing box
- 91 Thornton-Pickard Victory reflex 3½in. by 2½in. Lustra F/5.9 anastigmat lens, 12 single slides and velvet lined leather case
- 92 No. 1 *special folding Kodak 3¼in. by 2¼in., Bausch & Lomb F/6.3 anastigmat lens, compound shutter, leather case; all as new*
- 93 Icarette roll film camera, 2¼in. square, fine lens, new condition
- 94 No. 3 folding pocket Kodak, ¼-plate Goerz double anastigmat lens F/6.8, speeded automat shutter; fine

- 95 A 3½in. by 2½in. Tcah tropical roll film camera, Zeiss anastigmat lens, Koilos shutter ; very fine for abroad
- 96 Holborn Ilex ¼-plate magazine camera for 12 plates, finest magazine camera made ; Cooke anastigmat Series III. lens F/6.3, in focusing mount
- 97 Fine pair 8x magnification prism binoculars in leather case, central focusing, eyepiece adjustment
- 98 Adams' ½-plate or whole-plate, ash tripod for turn-table
- 99 No. 2 Ensignette and leather case
- 100 No. 2 folding Brownie, fine achromatic lens
- 101 No. 2A folding Brownie in new condition, with fine achromatic lens
- 102 *Goerz C.D.V. Tenax Dagor F/6.8 lens, 3 double slides and film pack adapter with tan leather case and slides in wallet, in new condition ; a fine outfit*
- 103 Very fine Thornton-Pickard Ruby outfit 4 double slides, R.R. lens, roller blind shutter, tripod and string leather case
- 104 Strong wooden tripod
- 105 Very fine rule joint ash tripod by Adams & Co.
- 106 Six camera cases
- 107 A 5 by 4 Goerz lens and camera (Anschutz), back extension, changing box, film pack adapter and 3 D.D. slides
- 108 A twin lens, Reflex camera (Stereoscopic Co.)
- 109 A microscopic sub-stage by Beck.
- 110 Electric bromide printer
- 111 *A Cooke anastigmat lens, F/3.5, 4-in., Series IIA, with flange*
- 112 Five optical trial cases
- 113 Eight wardrobe locks and 15 pairs steel washered brass butts
- 114 A 24 by 18 developing sink
- 115 A 24 by 18 ditto, with back
- 116 A 21 by 15 stoneware delevoping sink with swing tap

- 117 A box of camera brass oddments, hinges, etc.
 - 118 A Shew's $\frac{1}{4}$ -plate mahogany camera with Ross-Goerz double anastigmat F/7.7 lens, and 5 dark slides
 - 119 A 5 by 4in. mahogany camera (no lens), a double dark slide, Houghton's $\frac{1}{4}$ -plate magazine hand camera, Eastman developing tank and a quantity of photo sundries
 - 120 A Kodak Panoram camera and two $\frac{1}{4}$ -plate magazine hand cameras
 - 121 A Verascope camera in case and an aluminium collapsible tripod in leather case
 - 122 A small medical battery set, pocket microscope, mahogany box for dry cell, 2 camera view finders and an autocrome screen
 - 123 Two studio camera lenses by Voigtlander and one by Grubb
 - 124 A 12 by 10 Steinheil anastigmat lens
 - 125 Drawing instruments in case, Harling
 - 126 Two pairs electric curling irons, in cases
 - 127 No. 10 Remington visible typewriter, with backspacer, tabulator and 2 colours, in good order and condition
 - 128 Two anastigmat lenses in case
 - 129 Quantity photographic and other sundries
-
- 130 A pair of good quality prismatic binoculars
 - 131 Six table and 6 tea spoons
 - 132 Vest pocket Kodak
 - 133 Shaving mirror on stand and safety razor
 - 134 A postcard Kodak with anastigmat lens
 - 135 Pocket aneroid barometer

SURGICAL AND SCIENTIFIC APPARATUS, &c.

- 136 Leibreich's ophthalmoscope and artificial eye set in case
- 137 Medical coil in case
- 138 Landolt ophthalmoscope and sundry optical lenses, etc.

139

Two Bourdon pressure gauges, small guage, actinometer and sphygmomanometer

(18/-) 80/-140 x

Antique operating case, stomach pump and adjustable gas bracket with bull's-eye for ophthalmic work 138835-6 12/-

(28/-) 40/-141 x

Carbon di-oxide snow apparatus and cylinder, 2 amputation cases and somnoform inhaler 1385298/-

(30/-) 50/-142 x

Three cases of sounds, 3 specula in cases, pocket case of bottles, small operating case, pocket dressing case and ligatures

143

Three medical batteries, minor operation case, pair of spring grips and syringe in case

40/-144

Four thermometers, hæmoglobinometer and electric battery 47/6 m.c.

145

Electric Morton's ophthalmoscope

146

Electric throat lamp and fittings in case, electric retinoscope and ditto combined laryngoscope

147

Electric retinoscope, ditto laryngoscope and ditto head mirror

148

A quantity of splints and surgical instruments

149

A ditto lot

150

Part dental engine and motor for ditto

151

Expensive set of 7 razors in case by Joseph Rodgers & Sons

152

Binocular microscope by Dancer with 2 objectives, 3 eyepieces, bull's-eye condenser, live box and stage forceps

153

Microscope by Dollond with 1-in. and $\frac{1}{4}$ -in. objectives, 2 eyepieces and condenser

154

Microscope by Hartnach with condenser, 2 eyepieces, 2 objectives and sundry apparatus

155

Microscope by Crouch with 2 eyepieces, 1-in. and $\frac{1}{5}$ -in. objectives (A.F.)

156

Mahogany cabinet fitted with 20 drawers containing a collection of 280 slides

157

Mahogany cabinet fitted with 30 drawers containing 600 slides

HM
5/6/24

- 158 Tin case of bottles, box containing 4 dozen slides, condenser and a quantity of slides, cover glasses and other apparatus
- 159 Two gas pendants
- 160 *A brass astronomical telescope by Dollond, London, with 4½-in. object glass, rack adjustment, finder, 5 astro. eyepieces fitted with sun caps, a terrestrial eyepiece, solar and star diagonals, a dew cap, contained in fitted case; also an equatorial head with hour circle divided on silver with vernier and reading microscope, separate rotation, declination circle divided on silver vernier and fitted with reading microscope, adjustable counterpoise weight, adjustment for difference of latitude, 2 levels, tangent screw slow motion, Hook's joint, and a driving clock, the whole by Cooke of York; an iron tubular pillar stand and an extra tall mahogany garden tripod with cradle top*
- 161 *A 9-in. clear aperture object glass in cell with 3-point bearing and interrupted breach block thread, believed by Grubb, and a 9-in. iris diaphragm in brass mount*
- 162 *An astronomical telescope tube with 5-in. object glass, a box containing 7 eyepieces, 2 sun caps, 3 adapters, and an iron and brass equatorial head by Dollond, suitable for a 3½-in. to 4-in. telescope with tangent screw, slow motion, mounted on iron column*
- 163 *An opticians test case in morocco leather including fine adjustable screw fitting test frame, lens meter, anastigmat frame, pair of antique spectacles and 2 optical window tablets in opal*
- 164 *A 5-in. Transit theodolite in case by Harris, London, and a mahogany tripod*
- 165 *A small astronomical quadrant on stand fitted with telescope*
- 166 *A 9-in. circular protractor*
- 167 *A six inch ditto, optical square, and another divided circle*

- 168 A large prism ($2\frac{3}{4}$ -in. face, 45 degrees), and another
- 169 Two rectangular lenses and 5 prisms
- 170 A 7-in. circular protractor with rackwork adjustment, reading by verniers
- 171 A telescope level for theodolite and 4 telescope eyepieces
- 172 A mining level by W. & S. Jones, and 2 tripods
- 173 A microscope stage bull's-eye condenser (no foot), a compass, amp. meter and other items in large brass lens cap
- 174 Pair of tourmaline pincers, 2 eyepiece fittings, and 2 flats for reflecting telescope
- 175 Four telescope tubes (incomplete), and a brass bearing plate
- 176 A reflecting telescope by Nairne on table tripod stand
- 177 An old sextant in mahogany case
- 178 Two ditto
- 179 A 3-in. look-out telescope and mahogany tripod
- 180 A vertical telescope
- 181 A star finding telescope with $2\frac{1}{4}$ -in. achromatic object glass and eyepiece
- 182 A pocket sextant in leather case, pocket aneroid barometer and an altazimuth mirror
- 183 Twenty-eight small unmounted lenses, two 4-in. lenses, a 6-in. ditto and 4 others
- 184 A 4-in. lantern condenser and 4 achromatic lenses in mounts
- 185 An antique mosaic astronomical picture and a small picture of a comet
- 186 A student's microscope by Bryson, Edinburgh, rack coarse and fine adjustment, Nos. 3 and 7A Reichart objectives and another, and a number of slides, in mahogany case
- 187 A binocular microscope (body by Beck), with under-stage Abbe condenser, iris diaphragm, mechanical stage and a No. 7A objective by Reichart, in mahogany case

- 188 A polished pine cabinet of trays containing about 3 dozen microscope specimens
- 189 A direct vision star spectroscope, prism $\frac{7}{8}$ -in. diameter, with adjustable slit and cylindrical lens, standard size
- 190 A monocular microscope by Ross with mechanical stage, coarse and fine adjustment, 3 eyepieces, spot lens, diaphragm, live box, forceps, and convex mirror ; in mahogany case
- 191 A mahogany cabinet with glass front and labelled drawers, containing about 500 objects
- 192 A mahogany micro cabinet, 21 drawers, to hold 3 rows of 8, total 504 slides ; ivory knobs and 2 porcelain labels, velvet-lined drawers, glass panelled doors, brass handle to top of cabinet, lock and key
- 193 Thirty-six fine insects and parts, by Enoch, Topping, and Clarke & Page
- 194 A case containing 24 fine diatom slides, some grouped and arranged
- 195 Fine Lord's Prayer diamond writing signed by Webb and dated 1862, and a stage micrometer 1/100 and 1/1000
- 70/- 85/-196/ x A large binocular prismatic periscope taken from a German submarine 33659

The first portion (modern) of the celebrated collection of microscopes and accessories, formed by the late Sir Frank Crisp, Bart.

- 201 Beck's best quality International microscope with graduated rotating and mechanical stage, graduated fine adjustment, adjustment for width of eyes, rack adjusting sub-stage with screw to centre condenser, the whole instrument rotating on base and graduated
- 202 A bull's-eye stand condenser
- 203 A 4/10-in. microscope objective with graduated correction by Beck
- 204 A 1½-in. objective in case
- 205 A 1-in. objective by Collins

- 206 A 1/6-in. objective by R. & J. Beck,
specially mounted for use with binocular
- 207 A 1/20 objective by R. & J. Beck
- 208 A student's microscope by Zeiss
- 209 An "A" variable objective by Zeiss
- 210 Dissecting lens, No. 124, by Zeiss
- 211 Zeiss A. A. 5/4
- 212 Zeiss objective with correction collar
- 213 Zeiss oil immersion objective, N.A. 1.30.
- 214 Zeiss low power objective
- 215 Zeiss 1/8-in. apochromatic oil immersion,
N.A. 1.40
- 216 High-class presentation binocular, with
mechanical stage fitted with vernier
micrometer, divided on silver with
graduated rotation, fitted with vernier
and centring screws, rack adjusting,
rotating graduated sub-stage divided on
silver, with centring screws, graduated
fine adjustment. *By Swift.* Pair of
"A" eye-pieces
- 217 High-class petrological microscope, with
rotating stage graduated on silver, and
reading by Vernier, and fitted with
graduated micrometer movements,
eyepiece with graduated special cut nicol
analyser, graduated fine adjustment,
quadruple rotating nosepiece, and Nos.
3, 5, 7, and 9 immersion objectives,
by Fuss
- 218 Bull's-eye stand condenser
- 219 Portable microscope lamp by Swift
- 220 Elaborately mounted microscope lamp;
Dallinger rack adjustment for height,
horizontal rack adjustment, and rack
adjusting centring bull's-eye condenser
- 221 An adjustable microscope lamp
- 231-222 Expensively made museum microscope
for 8 specimens, fitted with eyepiece and
objective, by Klonne & Muller 56490 *6. Cour*
- 223 Lenhossek's polymicroscopium containing
a few slides, with rack adjusting body,
tube fitted with capped eyepiece, and
extra horse shoe base stand, forming an
ordinary microscope

- 224 A stand condenser, 5-in. lens by Ross
- 225 Two bull's-eye stand condensers
- 29-226 Museum microscope, fitted with rotating object holder to take 20 objects, fitted with special achromatic objective and eyepiece 56495 50/- Conv.
- 227 Zeiss C. objective
- 228 Best quality petrological microscope rotating graduated stage, swing-out adjusting sub-stage, fitted with polariser and condenser, graduated eyepiece, special nicol prism analyser, and rotating adjustable selenite plate by Carl Zeiss
- 229 Microscope by Anderson, rack coarse adjustment, graduated fine adjustment, rack adjusting draw tube, mechanical rotating stage, rack adjusting centering sub-stage, fitted with "A" eyepiece
- 230 Bacteriological microscope, mechanical stage, rack adjustment, swing out sub-stage, fitted with Abbe condenser, graduated micrometer screw fine adjustment, rack coarse adjustment
- 231 Petrological microscope, graduated rotating stage, graduated eyepiece, and rotating graduating polariser
- 232 Griffiths' club microscope, in case with eyepiece, and other fittings
- 233 Bull's-eye stand condenser with universal movements
- 234 Portable microscope by Nachet, in case, Nos. 2, 3, and 9 objectives, and another objective, eyepiece, etc.
- 235 Swifts portable compound microscope, fitted with inclining movement on tripod, four eyepieces, polariscope and analyser, 1-in., $\frac{1}{4}$ -in., $\frac{1}{8}$ -in., and $\frac{1}{16}$ -in. immersion objectives, achromatic condenser with diaphragm stops, etc. This beautiful and complete little microscope is fitted into a case measuring 4in. by $2\frac{1}{2}$ in. by 2in.
- 236 Portable microscope by Nachet, fitted with objective, 2 eyepieces, and stage condenser. in case

- 237 Demonstration microscope by Leitz, fitted with No. 1 eyepiece and No. 3 objective
- 238 Demonstration microscope, fitted with objective and eyepiece, and *another* with eyepiece on stand (2)
- 239 Demonstration microscope, fitted with 3-power achromatic objective and Lieberkuhn, and *another* (2)
- 10/- 240 Beck's museum microscope, fitted with rack coarse adjustment, eyepiece and lamp *56764* *90/- Cour*
- 10/- 241 Demonstration microscope by How, and *another* with rack adjustment (2) *56394-497* *60/- Cour*
- 15/- 242 Demonstration microscope, fitted with lamp on swinging tailpiece *56393* *60/- Cour*
- 18/- 243 Expensively made microscope by Nachet, fitted with eyepiece and stage bull's-eye *56398* *70/- Cour*
- 244 *Field's ratio polariscope, graduated revolving selenites* for the exact determination of polarised light, fitted with a magnificent nicol prism, $1\frac{3}{4}$ in. diameter by 3 in.
- 245 Large polarizing prism, 1 in. by $2\frac{5}{8}$ in.
- 246 Richards' selenite holder, fitted with three swing-out selenites
- 247 Prazmowski's analysing goniometer eyepiece, fitted with special square cut prism
- 248 Sorby's spectroscopic polariscopic eyepiece, by R. & J. Beck, fitted with spectroscopic prism, adjustable slit, and 2 revolving nicol prisms
- 249 Zeiss' apparatus for monochromatic light, and extra adjustable stand, fitted with bull's-eye condenser
- 250 Abbe condenser by Zeiss for English stand, fitted with rack adjustment, diaphragm holder
- 251 Swifts low power sub-stage condenser, and *another* (2)
- 252 An iris diaphragm by Watson, *another* by Beck, and Davis' shutter with iris diaphragm (3)

- 253 Swifts parabolic condenser, and Stephenson's catoptric illuminator (2)
- 254 Paraboloid and another with diaphragm, and Edmunds' condenser (3)
- 255 A 3in., lieberkuhn, by Ross, ditto, 1½in., 2in., and a ditto, ½in., by Ross, and 2 others
- 256 Wenham's paraboloid, and 4 spot lenses
- 257 Osborn's diatom exhibitor, Nachet's prism, and set of diaphragms with 12 apertures
- 258 Stage bull's-eye, wheel of diaphragms, and 2 silver side reflectors
- 259 Gillets' sub-stage condenser, and Beck's achromatic condenser
- 260 Ross' achromatic condenser, and a condenser in long tube
- 261 Bausch & Lomb Optical Co.'s oil immersion sub-stage condenser, with special diaphragm and centring sub-stage adapter
- 262 Beck's best achromatic sub-stage condenser
- 263 Fine polariscope, fitted with a Glan-Thompson square end, ⅝-in. prism by Ahrens
- 264 Micro spectroscope of elaborate construction with adjustable slit, micrometer movement rack adjustment, and mirrors fitted with ball and socket movements
- 265 Merz's eyepiece micrometer
- 266 Aluminium quadruple nosepiece
- 267 Triple rotating nosepiece
- 268 Five live boxes
- 269 Zoophyte trough, an animalcule cage for high powers, and Beck's life slide in case
- 270 Twelve various live boxes
- 271 Five various compressoriums
- 272 Six ditto
- 273 Zeiss' micrometer stage
- 274 Boecker's mechanical stage with movements in both directions, reading by verniers divided on silver
- 275 Beck's revolving disc holder and 72 discs

- 276 Small spark coil, and another electrical instrument for the microscope
- 277 A case of collecting tubes, set of dipping tubes in case, a number of zoophyte troughs, and other mounted sundries
- 278 Micrometer razor, and a number of mounting knives, scissors and forceps
- 279 Lever micrometer for measuring thickness of cover, and glasses by Ross
- 280 Two ditto
- 307-281 | *Woodward's apertometer microscope with a circle 10in. radius, divided in silver, fitted with a radial arm carrying microscope body and eyepiece; standard size, and provided with a vernier clamp and tangent screw, 2 glass apertometers in case—the whole mounted on a substantial tripod table, specially made by R. & J. Beck; (only one other made)*
- 56761
- 282 An original defraction grating ruled on glass, and signed and dated 1863, in case, by Nobert
- 283 A goniometer eyepiece with graduated circle, reading by 2 verniers and pointer, fitted with quartz prism in case
- 284 Zeiss compensating eyepiece, No. 2, 135 mm., for English stand
- 285 Zeiss compensating eyepiece, No. 4, 67 mm., for 10in. tube
- 286 Zeiss compensating eyepiece, No. 8, 34 mm., ditto
- 287 Zeiss compensating eyepiece, No. 27, 10 mm., ditto
- 288 Zeiss projecting eyepiece, No. 3
- 289 Zeiss compensating eyepiece, 15 mm.
- 290 Zeiss compensating eyepiece, No. 6
- 291 Eyepiece, No. 4, with cross threads, and 7 others
- 292 Pair of "C" Kelner's orthoscopic eyepieces by Ross, one with indicator; a pair of "A" capped eyepieces, and a micrometer eyepiece by Ross

£17.
Court.

- 293 " D " Kelner orthoscopic eyepiece ;
 " A " eyepiece, with pivoted finder ;
 " C " ditto (ordinary) ; " D " ordinary
 eyepiece ; " E " ditto ; and " F " ditto
- 294 No. 5 orthoscopic eyepiece by Zeiss ;
 No. 2 sliding eyepiece and cross thread,
 and 2 other eyepieces
- 295 Eight various eyepieces
- 12/- 296 An expensively made spectrograph with *5-57-Cou*
56764 divided circle reading by verniers (A.F.)
- 297 Thomas' expensively made microscope
 for the examination of blood circulation
 in large animals, by Jung, Heidelberg
- 299 Abbe's refractometer with divided circles
 and rotating adjustment by Zeiss
- 300 Swifts mineral microscope with diagonal
 rack adjustment and rotating movements
- 15/- 301 Giant microscope, specially constructed *£12.*
Court
 for the examination of large objects
 under polarized light, rack adjustment to
 both stage and mirror, by C. D. Ahrens,
 London *56558*
- 12/- 302 Nacet's crane arm microscope for the *£4. Cou*
 examination of large objects *56741*
- 303 Powell & Lealand's dissecting microscope
- 304 Moginie's portable binocular, rack adjust-
 ing stage, fitted with a pair of " A "
 capped eyepieces
- 305 Swift & Son's Paragon binocular with
 patent double rack coarse adjustment,
 rack adjustment for width of eyes,
 patent side fine adjustment, rotating
 mechanical stage, and rack adjusting sub-
 stage, with centering screws
- 306 Dippel's spectro polariscope
- 307 Beck's portable binocular microscope,
 rack coarse adjustment, divided fine
 adjustment, rack adjustment for width
 of eyes, rack adjusting sub-stage, fitted
 with revolving polariscope and achro-
 matic sub-stage condenser, revolving
 analyser and spot lens in case

- 308 *Wenham's radial microscope, diagonal rack coarse adjustment, frictionless patent fine adjustment, sector inclination, from the perpendicular to the horizontal, lateral inclination to the limb ; the whole instrument rotates on the lower base plate which is graduated ; graduated rotating mechanical stage, rotating rack adjusting sub-stage, fitted with adjustable lamp ; in new condition by Ross*
- 309 *Micrometer by Bausch & Lomb*
- 157-310 *Ahren's triocular bodied microscope, fitted with 3 achromatic objectives and 3 eyepieces 56474* £ 7. Con
- 124-311 *Scobell's dissecting microscope, fitted with compound body, 2 achromatic magnifying powers, and 2 other lenses 56442* £ 3. Con
- 107-312 *Chevalier's dissecting microscope with erecting prism 56459* £ 4. Con
- 313 *Micro spectroscope fitted with micrometer, by Browning*
- 314 *Ramsden's micrometer eyepiece, by Ross*
- 315 *Royston-Piggott's micrometer eyepiece*
- 316 *Abbe's micrometer eyepiece*
- 317 *Two aluminium nosepieces, quadruple and double*
- 318 *One quadruple nosepiece and 2 double nosepieces*
- 319 *An elaborate micrometer stage, m.m. in 100 parts, rotating graduated circle, reading by 2 verniers*
- 320 *Nachet's camera lucida, Woollestone's ditto, eyepiece fitted with Nachet's erecting prism, and 2 others*
- 321 *Goniometer fitted with revolving nicol prism, by Beck*
- 322 *Beck's parallel compressor for high powers, another compressor, Piper's revolving object holder, and a ball and socket revolving stage*
- 323 *Compressor for high powers, Fols' compressor for high powers, and an adjustable mineral holder*
- 324 *Bacteriological microscope by Ploss & Co.*

- 325 Research microscope, mechanical rack coarse adjustment, and mechanical rotating goniometer, stage reading by Vernier
- 326 A $4/10$ -in. objective by R. & J. Beck, with graduated correction collar
- 327 A 4-in Powell objective and a $1/6$ -in. objective graduated correction collar by Swift
- 328 A $1/4$ -in. objective in case and another objective
- 329 Two small objectives in case, and another objective
- 330 A $1/8$ -in. oil immersion by Powell & Lealand
- 331 A $1/2$ -in. objective with cone front
- 332 A $1/16$ -in. immersion objective with graduated corrections by Gundlach
- 333 Aquarium microscope, rack adjustment fitted with a stage bull's-eye, $2\frac{1}{2}$ in. diameter lens
- 334 Small museum microscope with 6 discs of objects in leather-covered case, and three others
- 335 Three small museum microscopes in cases, a pocket microscope by Klonne & Muller, and 5 others
- 336 Fifteen small microscopes
- 337 Ten ditto
- 338 Ten small magnifying glasses
- 339 Twelve ditto
- 340 Eight magnifying glasses, etc.
- 341 Dick's petrological microscope with graduated revolving stage, revolving polariser, fitted with high power condenser, revolving analyser with goniometer, removable selenite plate by Swift
- 342 Expensively-made microscope with horizontal and vertical rack adjustment for measurement of fibres in silk etc., fitted with eyepiece and objective
- 57-343 (Two expensively made models of the eye, 637-Cou
and one of the brain

- 344 Small field microscope and telescope in leather case, rack adjusting illuminating prism, 4 diaphragms, nicol prism (A.F) and other micro sundries
- 345 Pair of eyepieces, pair of " B " eyepieces by Powell and 2 others
- 346 Seven various eyepieces
- 347 Nine ditto
- 348 Student's microscope by Swift, diagonal rack coarse adjustment, patent side fine adjustment, Nelson stage etc.
- 349 Portable microscope by Ross, rack coarse adjustment and adjustable mirror
- 157-350 (Ahren's erecting microscope with rack coarse adjustment fitted with movable stage and capped eyepiece 56802 *£ 4. 00*
- 351 Student's binocular microscope, adjustment for width of eyes, rack coarse adjustment by Baker
- 352 Dissecting microscope rack adjusting, fitted with achromatic lens and extra stage by Zeiss
- 353 Brucke lens, on rack adjusting lens holder by Zeiss
- 354 Small dissecting microscope by Zeiss. fitted with one power
- 355 Cylindrical magnifying lens on adjusting stage
- 356 Binocular dissecting microscope fitted with dissecting instruments, by Collins
- 357 Gillet's sub-stage condenser and a camera lucida by Powell, in case
- 358 Browning's pocket microscope with 2 objectives, eyepiece and spot lens
- 359 Parallel compressorium by Ross, and Roussellet's compressorium, and another
- 360 Three stand bull's-eye condensers
- 361 Two mounted prisms
- 362 Two stand condensers
- 363 Selenite stage by Swift, fitted with 3 rotating selenites and extra mica slide
- 364 Abbe's binocular eyepiece
- 365 Powell & Lealand smaller tripod stand, fitted with mechanical stage

- 366 A revolving goniometer rack revolving
eyepiece with verniers by Ross
- 367 Fifteen pairs of hand forceps, and 14 pairs
of stage forceps
- 368 Three dozen finely mounted anatomical
slides, all by Cole or Topping
- 369 Twenty-eight fine injected physiological
slides, all by Cole
- 370 Thirty-one polariscope objects, by Topping
and others
- 371 Twelve fine test diatoms by Moller, chiefly
in monobromide ; in plush-lined pocket
case
- 372 Twenty-six test and other diatoms, some
grouped
- 373 Two fine slides of grouped diatoms and 4
other arranged slides
- 374 Three dozen various
- 375 Ditto
- 376 Seventeen fine insect slides by Enoch,
including the scarce fairy fly, and 7 others
- 377 Thirty fine insect eggs
- 378 Three dozen various crustacea, etc.
- 379 Three dozen polycystina (some arranged
and grouped) and foraminifera, etc.
- 380 Three dozen botanical and other slides
- 381 Three dozen ditto
- 382 Three dozen ditto
- 383 Three dozen micro fungi, etc.
- 384 Two dozen fine rock sections
- 385 Ditto, and polarising slides, mixed
- 386 Twenty-one scarce platino cyanides of
magnesium, barium, etc., all by Cole, and
3 others
- 387 Slide of arranged butterfly scales, forming
flowers, birds and butterflies, and ditto
spray of flowers
- 388 Ditto, humming bird and butterfly, and
another similar, and a humming bird
- 389 Ditto, two lizards etc., another spray of
fern, and another spray and 2 butterflies
- 390 Ditto, spray of flowers and three butter-
flies, and another, bird and two butterflies

- 391 Three fine arranged groups of diatoms and a test slide of ditto
- 392 Sixteen fine micro-photographs and 7 others
- 393 Fifteen fine test podura and other scales, including a fine curvicollis, *now very scarce*
- 394 Ditto, lots containing 24 test objects etc.
- 395 A micro ruling by W. Teasdale, 10 bands, complex curvilinear tracing, 3 figures, and a compound vibration curve
- 396 Webb's test, the Lord's Prayer, more than 10 Bibles to the inch; ditto, another, 9 ditto
- 397 Ditto, another, 8 Bibles to the inch; 7 ditto; and 6 ditto
- 398 Ditto, another, 5 Bibles to the inch; 4 ditto; and 3 ditto
- 399 A fine ditto, 22 Bibles to the inch
- 400 Ditto, 32 Bibles to the inch, in case
- 401 Ditto, 38 Bibles to the inch, in case
- 402 *An extremely rare ruling Nobert's test slide, 7 bands mounted in brass, signed F. A. Nobert*
- 403 Ditto, ditto, 10 bands signed
- 404 Ditto, ditto, 15 bands signed
- 405 Ditto, ditto, 19 bands signed
- 406 A Moller type slide, 400 varieties in case *with list of names*; quite perfect
- 407 A Moller type slide, 400 varieties, with the name of each *photographed* underneath it in case; *now very scarce*
- 408 A fine type slide of foraminifera with names in case

ELECTRICAL APPARATUS, &c.

- 409 A field telephone set with buzzer and condenser in mahogany case
- 410 Ditto, with additional receiver

To be sold at 4.45 o'clock.

By order of the Sheriff of the County of London, the contents of a Radiograph establishment. Removed from 26 Manchester Street, Manchester Square, for convenience of sale.

- 411 A diathermy apparatus
- 412 Comprising 4 pieces : 2 galvanosets for ionisation, 1 current reverser with clock-work metronome, 1 commutator for Schnee 4-cell bath
- 413 Three pieces : high frequency current apparatus, by the Medical Supply Association, including oak stand, resonator, and oil immersed condensers, etc.
- 414 An oak X-Ray tube stand, with large lead glass shield
- 415 Five pieces : an Ideal X-Ray outfit by Medical Supply Association, including 12-in. spark intensified induction transformer, marble switchboard, oak supporting cabinet, mercury jet interrupter, condenser in oak box, 2 pilon valve tubes, milliamperemeter, spintermeter, and overhead conducting wires
- 416 A high frequency current application couch with cushions
- 417 An ozonair apparatus on table
- 419 A 6-in. spark induction coil on base, complete with commutator, interrupter, and condenser
- 420 Three pieces : 1 portable faradic current apparatus, 1 Schnee 4-cell bath commutator, and 1 accumulator charging resistance board complete with 6 lamp-holders
- 421 Cabinet complete with 2 arm and 2 leg baths
- 422 Distribution board fitted with ironclad switch and fuses

- 423 Three pieces: 1 set Professor Bergonie's apparatus, comprising marble switch board, Bergonie faradic current generator for above, and reclining couch for Bergonie treatment
- 424 Eight pieces: 1 full length electric light bath, complete with full set of mirrors
- 425 A case containing 12 Leclanche cells
- 426 Quantity of arc lamp carbons
- 427 Two pieces: rotary converter for 220 volts, direct current to 150 volt A.C. current at 10 amperes, complete with protective condenser
- 428 An auto conduction couch
- 429 Horizontal automatic arc lamp with support on wooden base, with resistance, and 3 coloured screens for light therapy
- 430 Two pieces: A therapeutic arc lamp with reflector, on stand
- 431 A high frequency current machine, including table, resonator, and oil immersed condensers with spark gap
- 432 Grevillite therapeutic lamp fitted with 2,000 c.p. heat and light unit, reflector and wall bracket, by Medical Supply Association
- 433 An electric metronome, electrically propelled for interrupting the electric current
- 434 A marble switchboard, containing faradic coil regulating device
- 435 A small rotary converter for electrical treatment
- 436 A Gaiffe D'Arsonval high frequency current apparatus, including oak cabinet, controlling switchboard, static transformer, condenser, water resistances, spark gap, etc., and 2 Villard valve tubes on stand by Gaiffe, of Paris
- 437 A small automatic arc lamp on stand, with resistance for therapeutic work
- 438 Three distribution boards, and 1 metal arc lamp shade

- 439 Seven pieces : full length reclining light bath with cover and switchboard, also 4 automatic arc lamps for same
- 440 Five pieces : Sch'nee 4-cell bath with iron supports for arm, baths, and chair
- 441 Three pieces : 1 portable vibrator, 1 hot air douche, and 1 metronome interrupter
- 442 Three pieces : 3 radiators, 200 volts
- 443 Half body light bath with 12 lamps and coloured screens
- 444 Weighing machine up to 20 stone
- 445 Three pieces : 2 automatic arc lamps for light bath, and 1 arm bath
- 446 Two pieces : 2 metal heat baths
- 447 Two pieces : therapeutic arc lamp, automatic horizontal pattern on support, and 4 legged base, 2 coloured screens
- 448 Two pieces : motor driven limb exerciser, with box of fittings
- 449 Two pieces : 2 nebulizers
- 450 Two pieces : 2 couches
- 451 Two pieces : 1 switchboard for Professor Bergonie's treatment complete, with chair
- 452 Two pieces : distribution board and small fan motor
- 453 Three pieces : 3 arc lamp resistances
- 454 Heat bath for limbs
- 455 Two pieces : 2 ditto
- 456 Condenser testing set
- 457 An 8-in. dial milliamperemeter, hot wire type, reading 0-1000 on oak pedestal
- 458 An automatic arc lamp on stand
- 459 A 1,000 watt $\frac{1}{2}$ -watt lamp in coppered reflector on stand
- 460 A hand-fed arc lamp on stand with condensing tube
- 461 Three pieces : 1 Bergonie marble switchboard, faradic coil, and electric chair
- 462 Electric metronome for interrupting electric current
- 463 Two pieces : 3 phase sinusoidal switchboard with motor converter on table
- 464 Marble switchboard for ionisation

- 465 Four pieces : 2 porcelain foot baths and
2 oak stands
- 466 Hand driven air suction machine with
16 glass applicators (Biers' apparatus)
- 467 Quantity of high frequency current vacuum
electrodes and applicators
- 468 An arc lamp pendant with quartz globe
- 469 An electric fan with accumulator
- 470 A horizontal couch
- 471 A 9½-in. by 7-in. fluorescent screen
- 471A Static table and electric chair
- 472 Quantity of sundry pieces of apparatus
- 473 Ditto
- 474 Three oak chairs and one other
- 475 Three pieces : 1 small stained square table,
1 ditto bamboo, and 1 stool
- 476 Four pieces : 4 pieces blue matting
- 477 An oak reclining chair with cushion
- 478 Four pieces : 2 basket chairs and 2 others
- 479 Two pieces : 1 bamboo occasional table,
and 1 stained ditto
- 480 Six pieces : 6 rush-seated chairs
- 481 Five pieces : 2 occasional chairs, 1 oak
chair with rush-seat, another, ditto, no
back
- 482 Two pieces : A 4-fold screen and a bamboo
occasional table
- 483 Four pieces : 3 folding tables, 1 small pair
of scales
- 484 Two pieces : 1 mirror in oak frame, and 1
in painted frame
- 357- 60/-485 (x) Four pieces : 1 stained occasional table,
2 bamboo ditto, and 1 towel horse
- 486 Seven pieces : cane chair, 4 cushions,
piece of carpet, and small overlay
- 487 Quantity of medical and other books
- 488 Sixteen pieces : 14 blue casement cloth
curtains, 1 pair green serge ditto
- 489 Five pieces : 4 pillows, 2 cushions, and 1
green hassock
- 490 A walnut framed easy chair covered with
tapestry



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- 491 Two pieces: 1 oak framed arm-chair,
 rush seat, and 1 small office mirror
 657-492 Four pieces: 1 wicker chair, 3 occasional
 bamboo tables
 493 On oak office desk, drop front, and fitted
 interior
 494 An oak office chair, adjustable

END OF SALE.

STEVENSON'S AUCTION ROOMS.

ESTABLISHED 1760.

Important to Inventors, Artists and others.

MR. JAC. STEVENSON, to all attention
to the Office, regularly held at his Rooms.

SCIENTIFIC, ELECTRICAL AND
PHOTOGRAPHIC APPARATUS

AND MISCELLANEOUS.

EVERY FRIDAY a Sale is held which includes
Microscopes, Telescopes, Lenses, Cam-
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