

Sales catalogue: Stevens

Publication/Creation

28 January 1916

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WATMM/CM/Sal/21/193
Phone : Gerrard 1824.

Sale No. 12,745

Sale to commence at 12.30 o'clock.

FRIDAY, JAN. 28th, 1916.

A CATALOGUE
OF
*VALUABLE APPARATUS
FOR TURNING*

(by order of the Executor of the late E. T. East).

INCLUDING

Lathe by Holtzapffel with 5 in. centre for Ornamental Turning, with Traversing Mandril, Ornamental Slide Rests, Eccentric Cutting Frame, etc., Geometric Chuck, a Rose Cutting Frame, Elliptical and Epicycloidal Cutting Frames, Goniostat, Drilling Spindles, Slide Rests, Tools, Cutters, Drills, Chucks, Cutter Bars, Files, Stocks and Dies ; Ivory and Hard Wood for Turning, and Books relating to Ornamental Turning.

ALSO

Photographic Apparatus
by good Makers.

SCIENTIFIC INSTRUMENTS,

Including Expensive Microscopic Apparatus by Powell & Lealand, Beck, Zeiss, Crouch, etc.

Cinematograph, Optical and Electrical Effects,

FISHING TACKLE & MISCELLANEOUS PROPERTY.

MR. J. C. STEVENS

Will SELL BY AUCTION

AT HIS GREAT ROOMS,

No. 38, King Street, Covent Garden, W.C

On **FRIDAY, the 28th of JANUARY, 1916,**

At **12.30** o'clock.

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

Telegraphic Address: AUKS, RAND, LONDON.

RIDDLE, SMITH & DUFFUS, College Hill Chambers, E.C., and Forest Hill, S.E.

**Conditions of Sale are as usual; a
Copy is exhibited in the Sale Room at
the time of Sale.**

A CATALOGUE.

On Friday, January 28, 1916,

AT HALF-PAST TWELVE O'CLOCK.

ON VIEW:

Thursday, 12.30 p.m. to 5.30 p.m.

Friday, 9.30 a.m. to 12 noon.

MISCELLANIES.

LOT

- 1 "The Surprise" knife machine, for 3 knives,
good condition
- 2 Gentleman's lounge suit, splendid condition
- 3 A gentleman's new suit by Davies of Maddox
Street, W.
- 4 Another, very little worn
- 5 Three high-class gentleman's shirts and one
undervest
- 6 Gentleman's tweed suit
- 7 Four pictures and quantity of music
- 8 Glazier's diamond, by Hall & Sons
- 9 French carriage clock
- 10 Ormolu vase
- 11 Six pearl-handled plated tea knives
- 12 Six pairs of plated fish knives and forks, in case
- 13 Oriental carpet, 4 yds. by $1\frac{1}{2}$ yds.
- 14 Motor bicycle sparking coil in leather case, and
ditto acetylene lamp
- 15 A fine well-made mahogany pedestal cabinet

- 16 A bagatelle board with 6 ivory balls and cue
- 17 Leather dressing case, with fittings
- 18 Three drawer telescope by Harris (A.F.), and electric torch
- 19 Two daggers, in case
- 20 Fourteen dozen lantern slides, various, in 2 slide boxes
- 21 Large optical lantern, with 4-in. condenser and 4-wick lamp
- 22 A 4-in. lantern condenser (best French make), and optical sundries
- 23 A No. 5 Miller Falls hand drill, double geared, new, in box with 8 drills
- 24 Breast twist drill and drills, tenon saw, brace, bits, sundry tools
- 25 Pair lady's golf shoes and a pair of nearly new brown hide boots (fours)
- 26 Two-wick oil stove, an induction coil and an alarm clock
- 27 Black marble striking clock
- 28 Hamper containing theatrical properties, quick change costume, wigs, etc.
- 29 Two large bedspreads
- 30 Two ditto
- 31 Large bedspread and 2 lace table centres
- 32 Ditto
- 33 Four lace table centres
- 34 Large steamer leather hold-all, good condition
- 35 Case of old coins (silver, nickel and copper)
- 36 Three old fish-shape jugs
- 37 Two old painted pot-lids and pewter swan
- 38 Sterling silver cigarette case
- 39 A $\frac{1}{4}$ -plate hand camera
- 40 New hall-marked silver-backed hair brush and comb
- 41 Three dozen men's new handkerchiefs
- 41A Similar lot
- 41B Ditto
- 41C Ditto
- 42 Nine new first quality Turkish towels
- 42A Similar lot
- 42B Ditto
- 42C Ditto

- 43 A 21/- Gillette safety razor in case, with 7 new Gillette blades, blade holder, etc.
- 44 Six new best quality Sheffield made table knives
- 45 Similar lot
- 46 Six best quality new dessert knives
- 47 Similar lot
- 48 One dozen new best quality dessert forks
- 49 No. 4 Bull's-eye Kodak, cost £2 10s.
- 50 Finely carved Japanese bamboo walking stick, bamboo cane, 2 walking sticks and hunting crop
- 51 Italian mandoline, in case
- 52 Double-barrelled gun by J. Lang & Sons, with cartridge making apparatus, and other accessories, in case
- 257 53 Drew's patent tea basket fitted with spirit kettle, cups and saucers, bottles, plated cups and boxes, and other accessories, in good condition, cost £6 6s.
- 54 Five aboriginal spears, 2 Winshaw square bamboos, 2 golf clubs, umbrella and boot racks
- 55 Cassell's Popular Gardening, 4 vols., illustrated
- 56 Homes without Hands by Rev. J. G. Wood, plates; The Badminton Library, 3 vols., and 3 other books
- 57 The Motor Boat Manual (third edition); Horses and Stables, by Sir F. Fitzwygram; Complete Bridge Player; Horses and Roads, and 7 vols. of novels
- 58 Living Animals of the World, in 24 parts; Living Races of Mankind, 18 parts; Sports of the World, 11 parts
- 59 The Modern Angler; Poultry Keeping; Pig ditto; Old Flies in New Dresses; various works on motoring, etc.
- 60 Japanese Samisens (guitar); with boxes of wire and other accessories, in box
- 61 Ditto (damaged)
- 62 Brace, and 41 drills in fold-up case
- 63 Trembler coil and gradometer
- 64 Michelin motor inner tube and pair of lamps, and metal tyre holders

- 65 Box with 2 lifting trays, containing various screws, nuts and bolts, nails, hinges, etc.
- 66 Tenon saw, hack saw, smoothing plane, gauge, level, oil stone
- 67 An 8-in. boxwood rule with lever, tenon saw, 2 metal ladles, 2 files, boot rasp, archimedean drill and 6 chisels
- 68 Keyhole saw, mitre shoot, wire gauge, set square, tenon saw, gauges, chisels, files, etc.
- 69 Seven walnut-wood door plates, gauge, soldering iron, lamp, bradawls, and various other tools
- 70 Stock, taps and dies and holder
- 71 Box of asbestos and copper motor washers, ball of asbestos card, and patent lock with key
- 72 Rip saw, keyhole saw, wire gauge, spoke shave, sharpening stone and various tools
- 73 Tyre tester, amperemeter, 5 tins of enamel, lamp, etc., in hand bag
- 74 Seventeen-ounce billiard cue in tin case
- 75 *Late model F.N. motor cycle*, 4 cylinders, 5-6 h.p. clutch, Bosch magneto, in perfect running order, recently overhauled, very little used, tyres nearly new, 2 tool bags with full kit of tools and spares
- 76 Parkinson's patent "Perfect" vice, good as new

RECORDS, MUSICAL INSTRUMENTS, &c.

- 77 Violin by Carrodus, 2 bows, etc., and case
 - 78 Hornless gramophone to take 10-in. records, aluminium tone-arm and sound-box, in perfect condition
 - 79 Twelve 12-in. double-sided records, in album
 - 80 Fourteen 12-in. "H.M.V." records, and two others, good condition
 - 81 A Dulcephone gramophone with flowered horn, in excellent running condition, with powerful motor, plays two records with the wind
 - 82 Twenty-four 10-in. double-sided records, good selection
 - 83 A violoncello
-

- 84 Wrist watch with luminous dial and safety cover (A.F.)
- 85 Solid pearl imitation necklet
- 86 Diamond and emerald half-hoop ring, mounted 18-carat gold
- 87 Two-stone diamond pin
- 88 Diamond and sapphire half-hoop ring, 18-carat setting
- 89 Pair solid pearl imitation earrings
- 90 A copper breakfast dish warmer and lamps
- 91 A quart-size genuine Thermos flask
- 92 A speculative violin (faulty), in case, and a metronome
- 93 Large engraving
- 94 Seventeen proof engravings after Sant, Waller, Millais and Walter Cox, signed
- 95 Clever oil painting of a dog
- 96 Small box of tools, 3 electric batteries, small case of fishing flies, Sandow exerciser, pair of skates and pair of brass candlesticks
- 97 Six otter skins, undressed
- 98 Ditto
- 99 Sikes' hydrometer, in new condition, in mahogany case, by Loftus, London
- 100 A fine old Sheffield plated dish cover
- 101 Anastigmat lens by Aldis, and time and instantaneous roller blind shutter
- 102 A large photographic lens by J. H. Dallmeyer, London
- 103 Blick light-weight portable typewriter, oak case
- 104 Pair cut glass and ormolu mounted flower vases (one slightly cracked), and smaller pair to match
- 105 Half-plate camera, and slide, with Ross lens, and shutter
- 106 Hammond No. 12, two-colour visible writing typewriter, in case
- 107 Four and a half dozen Edison electric light bulbs, in box
- 108 Clavier (2 and 1/8 octaves) for piano keyboard practice
- 109 Small Indian carved stone god
- 110 Salter visible writing typewriter, in case
- 111 Superior silver tartlet server

- 112 Artist's deal cabinet of 5 long drawers, suitable for drawings, prints, etc., with cupboard under, enclosed by folding doors
- 113 An expensive $\frac{1}{2}$ -plate enlarger by London Stereoscopic Co., with 8-in. condenser and $\frac{1}{2}$ -plate portrait objective
- 114 Fine set of croquet in case, almost new
- 115 Blick No. 7 portable typewriter
- 116 Fine Indian teak writing desk inlaid ivory
- 117 Belling's patent electric heating stove
- 118 Ditto
- 119 Set of three Japanese china Wise Monkeys, See, Hear and Speak no evil
- 120 Two ditto, carved in wood
- 121 Two Oriental porcelain Buddhas
- 122 Set of three Imari bowls in sizes, 8, 10 and 12 inches
- 123 Pair Satsuma vases, decorated in figures and dragons
- 124 Japanese 2-fold carved wood and inlaid lac screen
- 125 Ditto

FISHING TACKLE.

- 126 A 5-in. Slater pattern combination reel with expensive line, in case
- 127 A 4-in. ditto, no line, in case
- 128 A 3-in. Marston Crossley reel, ebonite and aluminium, silk line, in case
- 129 A 7-in. Nottingham sea reel with plaited line
- 130 A $5\frac{1}{2}$ -in. Nottingham reel, with line
- 131 A 3-in. trout check reel and line
- 132 Two small fly reels
- 133 A $3\frac{1}{2}$ -in. gun metal reel and line, Duplex patent
- 134 Two Nottingham reels
- 135 Large quantity dressed and undressed sea and other lines
- 136 Two line driers
- 137 Fitted box of tackle containing hooks, leads, swivels, spoons, baits
- 138 Dreadnought sea rod
- 139 Split cane sea rod in one piece, with detachable butt
- 140 General rod with 4 tops

- 141 Sea rod and 1 other
- 142 Quantity of flies, snap hooks, and 3 fly books and parcel of silk lines
- 143 Quantity of sea hooks, tackle, sand eels and box of brass, two boxes of pulley reels
- 144 Steel wire on reels, steel line, sea line, gut, etc.
- 145 Two japanned cases and quantity of flies
- 146 Quantity of sea lines, hooks, floats, etc.
- 147 Rod holders, knee pad, etc.
- 149 Three tackle and trace boxes, fishing bag, and leather fly book
- 150 Three new spinners (Milward)
- 151A Wadman baits and sundry pike tackle
- 152A Two prepared lines, new tackle case and reel and line
- 153A One hundred salmon, grilse, and sea-trout flies, in new pigskin book
- 154A Two plain reels and lines, and sundry tackle

Valuable ornamental turning apparatus, sold by order of the Exors. of E. T. East, Esq., deceased.

- 151 **A-5in. centre lathe (Holtzapffel)** for ornamental turning, traversing mandril with 6 steel screw guides and conducting apparatus for the same, brass pulley with speed grooves, division plate with adjusting index, segment plate and tangent screw, cylinder poppit head with leading screw, 17 centres various and flange for drilling, hand rest and 3 tees, boring collar, and 2 steadies, 38 cup chucks, 2 worm chucks for wood turning, die chuck and other brass chucks, 3 carrier chucks and 3 carriers, several boxwood chucks, drill chuck, adjustable ditto, small brass face plate, elaborate set of spiral apparatus with extensive series of change wheels and reciprocator, ornamental slide rest with curvilinear apparatus and 5 boxes of brass and card templates, geometric slide rest (4 brass and 45 boxwood cams), spherical slide rest with interchangeable tool slide, large brass driver chuck, eccentric cutting frame with gear wheel, large brass face plate with adjustable jaws, compensating index, dome chuck and oblique chuck, oval

chuck, counting (?) apparatus, boring bit and 2 taps for chucks, lifting pieces for head-stock and poppet head, large collection of ornamental specimens in boxwood and African black wood, mahogany case for chucks and apparatus with a number of screws and parts for use in fitting up the various appliances, also other important and expensive accessories, mounted on mahogany double frame, iron bed, double bevel wheel, crank, treadle, and spare centres, overhead motion to be attached to ceiling

- ~~152 Expensive geometric chuck (2 parts) with 12 boxwood discs fitted, in mahogany case~~
- ~~153 Rose cutting frame with 13 brass rosettes, in mahogany case~~
- ~~154 Elliptical cutting frame, in mahogany case~~
- ~~155 Epicycloidal cutting frame, in mahogany case~~
- ~~156 Goniostat~~
- 157 Universal cutting frame with 4 small milling cutters
- 158 Large universal cutting frame with guide pulleys
- 159 Combined drilling and cutting spindle
- ~~160 Geared cutting frame~~
- ~~161 Horizontal cutting frame~~
- ~~161A Geared cutting frames~~
- ~~162 Cutting frame with extra spindle~~
- ~~163 Eccentric cutting frame~~
- 164 Ditto, smaller
- 165 Drilling spindle
- 166 Ditto with front pulleys
- 167 Long drilling spindle
- 168 Small drilling spindle and cutter bar
- 169 Bell centre and geared cutting frame (no spindle)
- 170 Five spindles without frames
- ~~171 Rectilinear chuck~~
- 172 Eccentric chuck
- 173 Ditto
- 174 Ditto, smaller, and spring pencil
- 175 Forty-two ornamental slide rest tools and 3 blanks
- 176 Thirty-five small cutters and 2 blanks
- 177 Ditto

- 178 Thirty-five small cutters and 2 blanks
- 179 Thirty-six ornamental drills and 13 blanks, with mahogany stand
- 180 Thirty-one ditto and 5 blanks
- 181 Ditto and 5 blanks
- 182 Tool holder and key
- 183 Small 2½-in. 3-jaw geared scroll chuck
- 184 A 3-in. 3-jaw geared scroll chuck, with spare base plate, 2 sets of jaws
- 185 A 3-in. 3-jaw scroll chuck
- ~~186 A 4-in. 3-jaw scroll chuck (Cushman)~~
- ~~187 A 2¾-in. 3-jaw geared scroll chuck, 2 sets of jaws (Whiton)~~
- ~~188 A 4-in. 4-jaw independent chuck (Whiton)~~
- ~~189 A 5-in. 3-jaw scroll chuck (Whiton)~~
- ~~190 Very large cutting frame (stem 1½-in. square), front pulley, 2-in. 3-jaw geared scroll chuck fitted~~
- 191 Set of 29 fluted drills, No. 4 to 32, on wood blocks
- ~~192 Twenty-six twist drills, various~~
- ~~193 Forty letter drills~~
- 194 Seventy-eight small twist drills
- 195 Twenty-three short twist and other drills and hand vice
- 196 Two hand vices, various watch and clock springs, a float, and 2 small watch screw plates
- 197 Forty-seven small cutters
- 198 Three screw plates and small box containing screw gauge, etc.
- 199 Cold chisels, punches and drills, 2 brass gauge plates and box of odd metal
- 200 Grinding apparatus for small tools, viz., spindle with pulley, and 16 conical grinders
- 201 Three steel squares, 12, 6 and 3 ins.
- 202 Surface plate, 18 by 8½ ins.
- 203 Twenty-six drifts, various
- 204 Steel straight edge, scribing block, depth gauge, wire and letter gauges
- 205 Spirit level, 2 pairs calipers, 8 reamers, 2 milling tool handles and 7 wheels
- ~~206 Seven large twist drills and 2 fluted ditto~~
- 207 Six engraver's tools, 8 small turning tools

- 208 Pair of large calipers, 27 pairs hooks and eyes,
10 single ditto, and 17 reamers
- 209 Forty countersinks, various
- 210 Five carriers, 21 metal turning tools, etc.
- 211 Tool holder for slide rest with 8 cutters
- 212 Ditto with 10 cutters and 2 blanks
- 213 Two long cutter bars and 5 cutters, and parting
tool
- 214 Cutter bar and 12 extra cutters on wood stand
- 215 Cutter bar for internal work, and smaller ditto
with 4 long cutters
- 216 Ten cutters and a blank on block
- 217 Two cutter bars with cutters
- 218 Two cutter bars for wood turning with 2 extra
cutters
- 219 Cutter bar for screw cutting and 2 cutters
- 220 Nine milling cutters as new, and 2 washers
- 221 Twenty-five smaller ditto and washer, many as
new
- 222 Thirteen milling cutters
- 223 Seven milling cutters; 2 screws and 3 circular
saws
- 224 Eighteen D and other bits
- 225 Five steel spindles, box of brass nuts and
washers
- 226 *Slide rest for light metal turning, having position
of upper and lower slides reversed, specially
fitted to bed of Holtzapffel's lathe*
- 227 Thirty files, some with handles
- 228 About 7 dozen small files
- 229 Twelve large files with handles
- 230 Six ditto with handles, and 4 without handles
- 231 Fifteen turning tools for soft wood, and 3
carving tools, handled
- 232 Eighteen turning tools for metal, handled
- 233 Thirty-three handled turning tools
- 234 Twenty-five ditto and arm-rest
- 235 Stock 5 and pairs of dies, 15 taps, Whitworth
thread, $\frac{3}{8}$ to $\frac{3}{4}$, and 2 tap wrenches and screw
gauge
- 236 Fifteen frame-saw blades, and 2 hack saw
blades
- 237 Five cold chisels, 8 spanners, 2 punches, etc.

- 238 Pair of inside calipers, combination square, in mahogany case, rebate plane and boxwood scale
- 239 Stock and 8 pairs of dies, 4 with square threads, some blanks, 2 screw gauges, 5 taps, etc.
- 240 Stock and 15 pairs of dies with taps, tap wrench, 3 steel screw gauges, etc.
- 241 Small stock with 2 pairs dies and taps, tap wrench, and 10 Holtzapffel taps
- 242 Box containing Hob and other taps, etc., tap wrench and 2 magnets
- 243 Slab of ivory, 9 ins. by 4 by 1 in. thick, and piece of ivory tusk for turning
- ~~244 Quantity of ivory for turning~~
- 245 Nine pairs of screw chasers in handles, Whitworth thread, $\frac{1}{8}$ to $\frac{3}{4}$
- 246 Six pairs of screw chasers in handles, Holtzapffel thread—Nos. 3, 4, 5, 6, 8, 10—matching screw guides of lathe (Lot 151)
- 247 Ditto, without handles
- 248 Five pairs of ditto and one No. 3, without handles
- 249 Six pairs of screw chasers in handles, Holtzapffel shallow thread
- 250 Fifty-six screw chasers, Holtzapffel and other threads, many pairs and duplicates
- 251 Stained deal 11-drawer cabinet suitable for tools, etc.
- ~~252 A 5-drawer ditto~~
- ~~253 Three store boxes with keys~~
- ~~254 Two larger ditto (1 with key)~~
- ~~255 Three large blocks of African blackwood for turning~~
- ~~256 Three large blocks of boxwood for ditto~~
- ~~257 Two ditto and 2 other large blocks~~
- ~~258 Quantity of hard wood, mostly African blackwood~~
- ~~259 Box of miscellaneous hard wood for turning~~
- ~~260 Ditto, boxwood~~
- ~~261 Ditto, miscellaneous~~
- ~~262 Ditto, boxwood~~
- 263 *Holtzapffel's Turning and Mechanical Manipulation, 6 vols., viz. Vols. 1, 2, 3 (both editions), 4 and 5.*

- 16 A bagatelle board with 6 ivory balls and cue
- 17 Leather dressing case, with fittings
- 18 Three drawer telescope by Harris (A.F.), and electric torch
- 19 Two daggers, in case
- 20 Fourteen dozen lantern slides, various, in 2 slide boxes
- 21 Large optical lantern, with 4-in. condenser and 4-wick lamp
- 22 A 4-in. lantern condenser (best French make), and optical sundries
- 23 A No. 5 Miller Falls hand drill, double geared, new, in box with 8 drills
- 24 Breast twist drill and drills, tenon saw, brace, bits, sundry tools
- 25 Pair lady's golf shoes and a pair of nearly new brown hide boots (fours)
- 26 Two-wick oil stove, an induction coil and an alarm clock
- 27 Black marble striking clock
- 28 Hamper containing theatrical properties, quick change costume, wigs, etc.
- 29 Two large bedspreads
- 30 Two ditto
- 31 Large bedspread and 2 lace table centres
- 32 Ditto
- 33 Four lace table centres
- 34 Large steamer leather hold-all, good condition
- 35 Case of old coins (silver, nickel and copper)
- 36 Three old fish-shape jugs
- 37 Two old painted pot-lids and pewter swan
- 38 Sterling silver cigarette case
- 39 A $\frac{1}{4}$ -plate hand camera
- 40 New hall-marked silver-backed hair brush and comb
- 41 Three dozen men's new handkerchiefs
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- 41B Ditto
- 41C Ditto
- 42 Nine new first quality Turkish towels
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- 44 Six new best quality Sheffield made table knives
- 45 Similar lot
- 46 Six best quality new dessert knives
- 47 Similar lot
- 48 One dozen new best quality dessert forks
- 49 No. 4 Bull's-eye Kodak, cost £2 10s.
- 50 Finely carved Japanese bamboo walking stick, bamboo cane, 2 walking sticks and hunting crop
- 51 Italian mandoline, in case
- 52 Double-barrelled gun by J. Lang & Sons, with cartridge making apparatus, and other accessories, in case
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- 76 Parkinson's patent "Perfect" vice, good as new

RECORDS, MUSICAL INSTRUMENTS, &c.

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 - 78 Hornless gramophone to take 10-in. records, aluminium tone-arm and sound-box, in perfect condition
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- 120 Two ditto, carved in wood
- 121 Two Oriental porcelain Buddhas
- 122 Set of three Imari bowls in sizes, 8, 10 and 12 inches
- 123 Pair Satsuma vases, decorated in figures and dragons
- 124 Japanese 2-fold carved wood and inlaid lac screen
- 125 Ditto

FISHING TACKLE.

- 126 A 5-in. Slater pattern combination reel with expensive line, in case
- 127 A 4-in. ditto, no line, in case
- 128 A 3-in. Marston Crossley reel, ebonite and aluminium, silk line, in case
- 129 A 7-in. Nottingham sea reel with plaited line
- 130 A 5 $\frac{1}{2}$ -in. Nottingham reel, with line
- 131 A 3-in. trout check reel and line
- 132 Two small fly reels
- 133 A 3 $\frac{1}{2}$ -in. gun metal reel and line, Duplex patent
- 134 Two Nottingham reels
- 135 Large quantity dressed and undressed sea and other lines
- 136 Two line driers
- 137 Fitted box of tackle containing hooks, leads, swivels, spoons, baits
- 138 Dreadnought sea rod
- 139 Split cane sea rod in one piece, with detachable butt
- 140 General rod with 4 tops

- 141 Sea rod and 1 other
- 142 Quantity of flies, snap hooks, and 3 fly books and parcel of silk lines
- 143 Quantity of sea hooks, tackle, sand eels and box of brass, two boxes of pulley reels
- 144 Steel wire on reels, steel line, sea line, gut, etc.
- 145 Two japanned cases and quantity of flies
- 146 Quantity of sea lines, hooks, floats, etc.
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- 149 Three tackle and trace boxes, fishing bag, and leather fly book
- 150 Three new spinners (Milward)
- 151A Wadman baits and sundry pike tackle
- 152A Two prepared lines, new tackle case and reel and line
- 153A One hundred salmon, grilse, and sea-trout flies, in new pigskin book
- 154A Two plain reels and lines, and sundry tackle

Valuable ornamental turning apparatus, sold by order of the Exors. of E. T. East, Esq., deceased.

50. 151

A-5in. centre lathe (Holtzapffel) for ornamental turning, traversing mandril with 6 steel screw guides and conducting apparatus for the same, brass pulley with speed grooves, division plate with adjusting index, segment plate and tangent screw, cylinder poppit head with leading screw, 17 centres various and flange for drilling, hand rest and 3 tees, boring collar, and 2 steadies, 38 cup chucks, 2 worm chucks for wood turning, die chuck and other brass chucks, 3 carrier chucks and 3 carriers, several boxwood chucks, drill chuck, adjustable ditto, small brass face plate, elaborate set of spiral apparatus with extensive series of change wheels and reciprocator, ornamental slide rest with curvilinear apparatus and 5 boxes of brass and card templates, geometric slide rest (4 brass and 45 boxwood cams), spherical slide rest with interchangeable tool slide, large brass driver chuck, eccentric cutting frame with gear wheel, large brass face plate with adjustable jaws, compensating index, dome chuck and oblique chuck, oval

To Lds
Garage

chuck, counting (?) apparatus, boring bit and 2 taps for chucks, lifting pieces for headstock and poppet head, large collection of ornamental specimens in boxwood and African black wood, mahogany case for chucks and apparatus with a number of screws and parts for use in fitting up the various appliances, also other important and expensive accessories, mounted on mahogany double frame, iron bed, double bevel wheel, crank, treadle, and spare centres, overhead motion to be attached to ceiling

- 152 *Expensive geometric chuck (2 parts) with 12 boxwood discs fitted, in mahogany case*
- 153 Rose cutting frame with 13 brass rosettes, in mahogany case
- 154 Elliptical cutting frame, in mahogany case
- 155 Epicycloidal cutting frame, in mahogany case
- 156 Goniostat
- 157 Universal cutting frame with 4 small milling cutters
- 158 Large universal cutting frame with guide pulleys
- 159 Combined drilling and cutting spindle
- 160 Geared cutting frame
- 161 Horizontal cutting frame
- 161A Geared cutting frames
- 162 Cutting frame with extra spindle
- 163 Eccentric cutting frame
- 164 Ditto, smaller
- 165 Drilling spindle
- 166 Ditto with front pulleys
- 167 Long drilling spindle
- 168 Small drilling spindle and cutter bar
- 169 Bell centre and geared cutting frame (no spindle)
- 170 Five spindles without frames
- 171 Rectilinear chuck
- 172 Eccentric chuck
- 173 Ditto
- 174 Ditto, smaller, and spring pencil
- 175 Forty-two ornamental slide rest tools and 3 blanks
- 176 Thirty-five small cutters and 2 blanks
- 177 Ditto

- 178 Thirty-five small cutters and 2 blanks
- 179 Thirty-six ornamental drills and 13 blanks, with mahogany stand
- 180 Thirty-one ditto and 5 blanks
- 181 Ditto and 5 blanks
- 182 Tool holder and key
- ✓ 183 Small 2½-in. 3-jaw geared scroll chuck
- ✓ 184 A 3-in. 3-jaw geared scroll chuck, with spare base plate, 2 sets of jaws
- ✓ 185 A 3-in. 3-jaw scroll chuck
- ✓ 186 A 4-in. 3-jaw scroll chuck (Cushman)
- ✓ 187 A 2¾-in. 3-jaw geared scroll chuck, 2 sets of jaws (Whiton)
- ✓ 188 A 4-in. 4-jaw independent chuck (Whiton)
- ✓ 189 A 5-in. 3-jaw scroll chuck (Whiton)
- 190 Very large cutting frame (stem 1½-in. square), front pulley, 2-in. 3-jaw geared scroll chuck fitted
- 191 Set of 29 fluted drills, No. 4 to 32, on wood blocks
- ✓ 192 Twenty-six twist drills, various
- ✓ 193 Forty letter drills
- ✓ 194 Seventy-eight small twist drills
- ✓ 195 Twenty-three short twist and other drills and hand vice
- 196 Two hand vices, various watch and clock springs, a float, and 2 small watch screw plates
- 197 Forty-seven small cutters
- ✓ 198 Three screw plates and small box containing screw gauge, etc.
- 199 Cold chisels, punches and drills, 2 brass gauge plates and box of odd metal
- 200 Grinding apparatus for small tools, viz., spindle with pulley, and 16 conical grinders
- 201 Three steel squares, 12, 6 and 3 ins.
- 202 Surface plate, 18 by 8½ ins.
- 203 Twenty-six drifts, various
- 204 Steel straight edge, scribing block, depth gauge, wire and letter gauges
- ✓ 205 Spirit level, 2 pairs calipers, 8 reamers, 2 milling tool handles and 7 wheels
- ✓ 206 Seven large twist drills and 2 fluted ditto
- 207 Six engraver's tools, 8 small turning tools

- 208 Pair of large calipers, 27 pairs hooks and eyes,
10 single ditto, and 17 reamers
- 209 Forty countersinks, various
- 210 Five carriers, 21 metal turning tools, etc.
- 211 Tool holder for slide rest with 8 cutters
- 212 Ditto with 10 cutters and 2 blanks
- 213 Two long cutter bars and 5 cutters, and parting
tool
- 214 Cutter bar and 12 extra cutters on wood stand
- 215 Cutter bar for internal work, and smaller ditto
with 4 long cutters
- 216 Ten cutters and a blank on block
- 217 Two cutter bars with cutters
- 218 Two cutter bars for wood turning with 2 extra
cutters
- 219 Cutter bar for screw cutting and 2 cutters
- 220 Nine milling cutters as new, and 2 washers
- 221 Twenty-five smaller ditto and washer, many as
new
- 222 Thirteen milling cutters
- 223 Seven milling cutters ; 2 screws and 3 circular
saws
- 224 Eighteen D and other bits
- 225 Five steel spindles, box of brass nuts and
washers
- 226 *Slide rest for light metal turning, having position
of upper and lower slides reversed, specially
fitted to bed of Holtzapffel's lathe*
- 227 Thirty files, some with handles
- 228 About 7 dozen small files
- 229 Twelve large files with handles
- 230 Six ditto with handles, and 4 without handles
- 231 Fifteen turning tools for soft wood, and 3
carving tools, handled
- 232 Eighteen turning tools for metal, handled
- 233 Thirty-three handled turning tools
- 234 Twenty-five ditto and arm-rest
- 235 Stock 5 and pairs of dies, 15 taps, Whitworth
thread, $\frac{3}{8}$ to $\frac{3}{4}$, and 2 tap wrenches and screw
gauge
- 236 Fifteen frame-saw blades, and 2 hack saw
blades
- 237 Five cold chisels, 8 spanners, 2 punches, etc.

- 238 Pair of inside calipers, combination square, in mahogany case, rebate plane and boxwood scale
- 239 Stock and 8 pairs of dies, 4 with square threads, some blanks, 2 screw gauges, 5 taps, etc.
- 240 Stock and 15 pairs of dies with taps, tap wrench, 3 steel screw gauges, etc.
- 241 Small stock with 2 pairs dies and taps, tap wrench, and 10 Holtzapffel taps
- 242 Box containing Hob and other taps, etc., tap wrench and 2 magnets
- 243 Slab of ivory, 9 ins. by 4 by 1 in. thick, and piece of ivory tusk for turning
- 30/- 244 Quantity of ivory for turning
- 245 Nine pairs of screw chasers in handles, Whitworth thread, $\frac{1}{8}$ to $\frac{3}{4}$
- 246 Six pairs of screw chasers in handles, Holtzapffel thread—Nos. 3, 4, 5, 6, 8, 10—matching screw guides of lathe (Lot 151)
- 247 Ditto, without handles
- 248 Five pairs of ditto and one No. 3, without handles
- 249 Six pairs of screw chasers in handles, Holtzapffel shallow thread
- 250 Fifty-six screw chasers, Holtzapffel and other threads, many pairs and duplicates
- 251 Stained deal 11-drawer cabinet suitable for tools, etc.
- 252 A 5-drawer ditto
- 18/- 253 Three store boxes with keys
- 4/- 254 Two larger ditto (1 with key)
- 30/- 255 Three large blocks of African blackwood for turning
- 20/- 256 Three large blocks of boxwood for ditto
- 14/- 257 Two ditto and 2 other large blocks
- 40/- 258 Quantity of hard wood, mostly African blackwood
- 25/- 259 Box of miscellaneous hard wood for turning
- 30/- 260 Ditto, boxwood
- 25/- 261 Ditto, miscellaneous
- 35/- 262 Ditto, boxwood
- 263 *Holtzapffel's Turning and Mechanical Manipulation, 6 vols., viz. Vols. 1, 2, 3 (both editions), 4 and 5*

- 264 H. W. Elphinstone's Patterns for Turning, 1872, small 4to
- 265 The Turner's Manual, a translation of L. E. Bergeron's Work, 1877, 4to.
- 266 The Forge and Lathe, November, 1877, to March 1879, 2 vols.
- 267 Extracts from the English Mechanic, 7 vols.
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- 269 Sir T. Bazley's Notes on the Epicycloidal Cutting Frame, 1872
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- 271 H. S. Savary on Geometric Turning, being a Description of Plant's New Geometric Chuck, 1873
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- 274 Hasluck on Lathe Work, 1894; Practical Machinist, by J. Rose, 1892, and Hasluck on Metal Turning, 1887
- 275 Milling and Turning by P. N. Hasluck, 1892; Turner's Companion, 1892, and 3 others
- 276 Specimens in Eccentric Circular Turning, by J. H. Ibbetson (3rd edition); and The Lathe and Its Uses (4th Edition), by J. Lukin, 1874; Hand Turning by F. Campin, 1868, and 1 other
- 277 Northcote on Lathes and Turning, 1876; Practical Mechanics, J. Perry, 1891, and 5 others
- 278 Collection of Designs for Turning

Another Property.

- 279 Holtzapffel ornamental lathe, 5-in. centre, with iron heads, the mandril working in a collar and back of hardened steel, pulley with division plate and index, cylinder poppit head with leading screw, centres and flange for boring, hand rest and 2 tees. Mounted on a frame of beechwood, with iron bearers, double bevel wheel with speed grooves, crank and treadle, the case for the backboard containing the chucks, and inlaid for apparatus

- 280 One gross brass pulleys
- 281 Ditto
- 282 Ditto
- 283 Large angle bracket and a quantity of lathe tools
- 284 Strong 6-in. compound slide rest, and six forged lathe carriers
- 285 Parkinson's No. 5 parallel vice, 3-in. jaws
- 286 Malleable stock with $1\frac{1}{4}$ -in. gas die
- 287 Simplex stock with 6 dies and guides
- 288 Walworth ditto with 3 dies and 3 guides
- 289 Ditto with ditto
- 290 Ditto with 3 dies and 1 guide
- 291 Ditto with 3 dies
- 292 Four pairs heavy pipe tongs, 1 large Walworth stock and die, and large boiler wrench
- 293 Eleven large augers, various
- 294 Three pipe cutters
- 295 Three ditto and a heavy tap wrench
- 296 Walworth stock, 2 dies, and 4 heavy rasps
- 297 Four pipe vices and 2 metal pots
- 298 Box taps and hobbs, pipe cutter and various tools
- 299 Box assorted ironmongery, mortice locks, hasps, staples, etc.
- 300 Compound slide rest with handles, complete
- 301 Vernier caliper gauge by Holtzapffel & Co., London, also 3 socket drills
- 302 A $\frac{5}{8}$ -in. cutter bar and ten drills
- 303 Well made ratchet brace by J. Buck and six drills
- 304 Fifty turning and chasing tools

PHOTOGRAPHIC APPARATUS, &c.

- 305 Casket of 4 lenses, $\frac{1}{4}$ -plate size
- 306 A $\frac{1}{4}$ -plate Shew's Xit, R.R. lens, 3 slides
- 307 A $\frac{1}{2}$ -plate Clement and Gilmer, R.R. lens and telephoto attachment mounted in aluminium
- 308 Kodak 5-in. developing machine for roll films
- 309 Stereoscopic camera, pair Ross lenses
- 310 A 5 by 4 Watson Argus reflex, lens, 3 slides, case
- 311 A $\frac{1}{4}$ -plate roll film camera, R.R. lens

- 312 A microscope for projecting opaque objects, fitted for electric light
- 313 A No. 3 folding pocket Kodak
- 314 A Goerz series III. anastigmat lens, $3\frac{1}{2}$ -in. focus, very useful for wide angle or micrographic work
- 315 Cavalry sketching board and box of rules, Elliott
- 316 A No. 3 folding pocket Kodak fitted with Krauss Zeiss lens, in unicum shutter
- 317 A $\frac{1}{4}$ -plate Sanderson field camera, Goerz lens and 3 double dark slides, in case
- 318 Shew's aluminium bound $\frac{1}{4}$ -plate camera and view finder, with 3 dark slides, in leather cases
- 319 A $\frac{1}{2}$ -plate enlarger, no lens
- 320 Resistance coil
- 321 Invalid electric bell
- 322 Edison phonograph, no needle or tube
- 323 A $\frac{1}{4}$ -plate instantograph camera, lens, two dark slides, tripod
- 324 A $\frac{1}{2}$ -plate stand camera, F/6 euroscope lens (no stops), 4 double dark slides, tripod
- 325 A $\frac{1}{2}$ -plate box camera, with roll film holder and focussing screen, no lens
- 326 A $\frac{1}{4}$ -plate box magazine camera
- 327 Arc lamp for lantern
- 328 Lot of printing frames
- 329 Vacuum cleaner, 200 volts alternating current

SCIENTIFIC APPARATUS, &c.

- 330 Objective, $\frac{1}{8}$ -in.
- 331 Ditto, $\frac{1}{8}$ -in.
- 332 Powell & Lealand portable microscope, recently adjusted, cost £30
- 333 Leitz objective, 3mm. Pantochromat
- 334 Gordon photomicrographic camera, by Beck
- 335 Powell & Lealand achromatic condenser
- 336 Zeiss objective, A1
- 337 Watson objective, $\frac{1}{8}$ -in.
- 338 Small microscope lamp, Wollaston camera lucida, and dividing objective
- 339 Leitz mineralogical microscope with selenite and mica films
- 340 Zeiss objective DD.

- 341 Micro objective dividing
- 342 Leitz student's microscope
- 343 Swift objective, $\frac{1}{8}$ -in.
- 344 Powell & Lealand nose-piece
- 345 Powell & Lealand binocular body for their No. 2
stand with prism and four eye-pieces, cost
over £10
- 346 Crouch objective, $\frac{1}{8}$ -in.
- 347 Micro objective, dividing
- 348 Nelson dark ground illuminator for high powers
by Baker
- 349 Zeiss objective, F.
- 350 Swift objective $\frac{2}{3}$ -in. with lieberkuhn, dark
well fitting and set of wells
- 351 Browning micro-spectroscope
- 352 Browning table spectrometer, two prism
- 353 Beck oil immersion condenser
- 354 Zeiss achromatic condenser
- 355 Projection lantern with incandescent gas
burner
- 356 Forty-eight slides in card box with trays
- 357 Thirty-one coal slides, in cabinet
- 358 Sixty mineral slides, in cabinet
- 359 Sixty-two slides
- 360 Fifty ditto
- 361 Sixty ditto
- 362 Sixty ditto
- 363 Accumulator, 4 volts. 60 ampere, charged
- 364 Ditto
- 365 Two bone forceps, mouth gag, and other surgi-
cal instruments

MISCELLANIES.

- 366 Eight 11-in. double-sided Pathé records
- 367 Ditto
- 368 Glazier's diamond and stylographic pen
- 369 Hall-marked silver safety razor with 11 blades,
in case
- 370 Six silver-plated table spoons and 6 ditto forks
- 371 Plated tea set
- 372 Set of 4 saltcellars with spoons, butter dish
with knife and jam dish in plated frame
- 373 A roll film hand camera

- 375 *A handsome exhibition Japanese 2-fold screen with carved black wood frame, lacquered panels, finely inlaid with coloured ivory and mother-of-pearl birds, etc., 6 ft. high*
- 376 The companion ditto
- 377 *A complete service of King's pattern table plate, comprising 12 silver plated table spoons, 12 silver plated table spoons, 12 dessert ditto, 12 tea ditto, 12 egg ditto, 12 table forks, 12 dessert ditto, 1 soup ladle, 2 sauce ditto, 2 salt, 2 mustard, 1 gravy spoon, 1 caddy ditto, 1 sugar tongs, 1 ditto sifter, 83 pieces in all*
- 378 A No. 8 Remington brief size typewriter
- 379 A Standard weighing machine with weights
- 380 An oak studio stand
- 381 Four accumulators
- 382 A large dish cover plated on copper, and ditto plated on hard white metal
- 383 A gentleman's gold keyless watch by Kendal & Dent
- 384 A gentleman's keyless silver lever hunting watch
- 385 A gentleman's oxidized keyless watch, and a lady's bracelet ditto
- 386 Ditto
- 387 A lady's silver enamel keyless watch and enamel bow
- 388 Six field glass cases with straps, and a $\frac{1}{4}$ -plate reflex magazine camera
- 389 Two $\frac{1}{4}$ -plate magazine cameras
- 390 Three dozen lantern slides, in mahogany frames
- 391 A gentleman's bicycle, B.S.A. fittings, two brakes and free wheel
- 392 Two long cinematograph films
- 393 Postage Stamps, a collection of stamps in Imperial album
- 394 A box of English, Foreign and Colonial stamps
- 395 A Lincoln album containing about 1,500 stamps including good Colonials
- 396 Collection in small album, nice Africans and other old stamps
- 397 Collection stamps in Lincoln album, containing some old Colonials

CINEMATOGRAPH AND OPTICAL APPARATUS.

- 398 Three Urban lantern bodies with brass fronts
- 399 Ditto
- 400 Ditto
- 400A Ditto
- 401 Pair special bi-unial lanterns complete with arc lamps, condensers, and lens mounts on frame, with all centering movements
- 402 Ditto
- 403 Warwick dog movement projector mechanism (A.F.)
- 404 Hand feed arc lamp, 80 amps. (A.F.).
- 405 Ditto
- 406 Ditto
- 407 Pathé ditto, 100 amps (A.F.)
- 408 A $\frac{1}{2}$ -plate studio camera only, with Thornton Pickard shutter
- 409 A $\frac{1}{2}$ -plate Marion-Kershaw reflex, nearly new, in perfect condition, Cooke-lens, 4.5
- 410 Three D.D. slides, aluminium, with sling
- 411 Thompson Houston mercury vapour lamp for 2 tubes with resistance for 100 and 200 volts. D.C. (A.F.)
- 412 Ditto
- 413 A No. 2 Pathé mechanism
- 414 New Urban dog movement mechanism
- 415 Ditto
- 417 Mahogany brass fronted triple lantern, asbestos lined, fitted for electric light and gas, with dissolvers and jets, condensers and front lenses, in travelling case (A.F.)
- 418 Three mixed lantern jets
- 419 Five 200 volt electric lamps, switch and cable
- 420 Combined gauge and regulator
- 421 Five slide carriers, various
- 422 Ten framed coloured photos and box of various
- 423 Rubber tubing negatives and sundries in box

**OPTICAL LANTERN APPARATUS AND SLIDES,
&c.**

(Intended for Public Reading Entertainment, but little used).

- 424 Brass-fronted mahogany lantern with long range lenses (2 sets, 8-in. and 10-in., 8-in.

Sale to commence at 12.30 o'clock.

FRIDAY, JAN. 28th, 1916.

A CATALOGUE
OF
*VALUABLE APPARATUS
FOR TURNING*

(by order of the Executor of the late E. T. East).

INCLUDING

Lathe by Holtzapffel with 5 in. centre for Ornamental Turning, with Traversing Mandril, Ornamental Slide Rests, Eccentric Cutting Frame, etc., Geometric Chuck, a Rose Cutting Frame, Elliptical and Epicycloidal Cutting Frames, Goniostat, Drilling Spindles, Slide Rests, Tools, Cutters, Drills, Chucks, Cutter Bars, Files, Stocks and Dies ; Ivory and Hard Wood for Turning, and Books relating to Ornamental Turning.

ALSO

Photographic Apparatus

by good Makers.

SCIENTIFIC INSTRUMENTS,

Including Expensive Microscopic Apparatus by Powell & Lealand, Beck, Zeiss, Crouch, etc.

Cinematograph, Optical and Electrical Effects,

FISHING TACKLE & MISCELLANEOUS PROPERTY.

MR. J. C. STEVENS

Will SELL BY AUCTION

AT HIS GREAT ROOMS,

No. 38, King Street, Covent Garden, W.C.

On **FRIDAY, the 28th of JANUARY, 1916,**

At **12.30** o'clock.

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

Telegraphic Address: AUKS, RAND, LONDON.

RIDDLE, SMITH & DUFFUS, College Hill Chambers, E.C., and Forest Hill, S.E.

**Conditions of Sale are as usual; a
Copy is exhibited in the Sale Room at
the time of Sale.**

A CATALOGUE.

On Friday, January 28, 1916,

AT HALF-PAST TWELVE O'CLOCK.

ON VIEW:

Thursday, 12.30 p.m. to 5.30 p.m.

Friday, 9.30 a.m. to 12 noon.

MISCELLANIES.

Lot

- 1 "The Surprise" knife machine, for 3 knives,
good condition
- 2 Gentleman's lounge suit, splendid condition
- 3 A gentleman's new suit by Davies of Maddox
Street, W.
- 4 Another, very little worn
- 5 Three high-class gentleman's shirts and one
undervest
- 6 Gentleman's tweed suit
- 7 Four pictures and quantity of music
- 8 Glazier's diamond, by Hall & Sons
- 9 French carriage clock
- 10 Ormolu vase
- 11 Six pearl-handled plated tea knives
- 12 Six pairs of plated fish knives and forks, in case
- 13 Oriental carpet, 4 yds. by $1\frac{1}{2}$ yds.
- 14 Motor bicycle sparking coil in leather case, and
ditto acetylene lamp
- 15 A fine well-made mahogany pedestal cabinet

- 264 H. W. Elphinstone's Patterns for Turning, 1872, small 4to
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- 376 The companion ditto
- 377 *A complete service of King's pattern table plate, comprising 12 silver plated table spoons, 12 silver plated table spoons, 12 dessert ditto, 12 tea ditto, 12 egg ditto, 12 table forks, 12 dessert ditto, 1 soup ladle, 2 sauce ditto, 2 salt, 2 mustard, 1 gravy spoon, 1 caddy ditto, 1 sugar tongs, 1 ditto sifter, 83 pieces in all*
- 378 A No. 8 Remington brief size typewriter
- 379 A Standard weighing machine with weights
- 380 An oak studio stand
- 381 Four accumulators
- 382 A large dish cover plated on copper, and ditto plated on hard white metal
- 383 A gentleman's gold keyless watch by Kendal & Dent
- 384 A gentleman's keyless silver lever hunting watch
- 385 A gentleman's oxidized keyless watch, and a lady's bracelet ditto
- 386 Ditto
- 387 A lady's silver enamel keyless watch and enamel bow
- 388 Six field glass cases with straps, and a $\frac{1}{4}$ -plate reflex magazine camera
- 389 Two $\frac{1}{4}$ -plate magazine cameras
- 390 Three dozen lantern slides, in mahogany frames
- 391 A gentleman's bicycle, B.S.A. fittings, two brakes and free wheel
- 392 Two long cinematograph films
- 393 Postage Stamps, a collection of stamps in Imperial album
- 394 A box of English, Foreign and Colonial stamps
- 395 A Lincoln album containing about 1,500 stamps including good Colonials
- 396 Collection in small album, nice Africans and other old stamps
- 397 Collection stamps in Lincoln album, containing some old Colonials

CINEMATOGRAPH AND OPTICAL APPARATUS.

- 398 Three Urban lantern bodies with brass fronts
- 399 Ditto
- 400 Ditto
- 400A Ditto
- 401 Pair special bi-unial lanterns complete with arc lamps, condensers, and lens mounts on frame, with all centering movements
- 402 Ditto
- 403 Warwick dog movement projector mechanism (A.F.)
- 404 Hand feed arc lamp, 80 amps. (A.F.).
- 405 Ditto
- 406 Ditto
- 407 Pathé ditto, 100 amps (A.F.)
- 408 A $\frac{1}{2}$ -plate studio camera only, with Thornton Pickard shutter
- 409 A $\frac{1}{2}$ -plate Marion-Kershaw reflex, nearly new, in perfect condition, Cooke-lens, 4.5
- 410 Three D.D. slides, aluminium, with sling
- 411 Thompson Houston mercury vapour lamp for 2 tubes with resistance for 100 and 200 volts. D.C. (A.F.)
- 412 Ditto
- 413 A No. 2 Pathé mechanism
- 414 New Urban dog movement mechanism
- 415 Ditto
- 417 Mahogany brass fronted triple lantern, asbestos lined, fitted for electric light and gas, with dissolvers and jets, condensers and front lenses, in travelling case (A.F.)
- 418 Three mixed lantern jets
- 419 Five 200 volt electric lamps, switch and cable
- 420 Combined gauge and regulator
- 421 Five slide carriers, various
- 422 Ten framed coloured photos and box of various
- 423 Rubber tubing negatives and sundries in box

**OPTICAL LANTERN APPARATUS AND SLIDES,
&c.**

(Intended for Public Reading Entertainment, but little used).

- 424 Brass-fronted mahogany lantern with long range lenses (2 sets, 8-in. and 10-in., 8-in.

- shows 12-ft. picture about 32 ft. from screen,
10-in. shows 12-ft. picture about 40 ft. from
screen), best oxy-hydrogen jet for high pres-
sure, in lock-up case, by Newton
- 425 Pair of 20-ft. steel cylinders with keys and
fittings, upright polished oak cases for same,
with base-board
- 426 Pair of Beard's patent small size regulators
- 427 Patent "Safety" pressure gauge (Clarkson's)
- 428 Mahogany adjustable lantern stand (Newton)
- 429 A 12-ft. opaque roller screen, in lined water-
proof case, with pulleys and cords
- 431 Lecturer's reading lamp (Newton); "Light-
ning" carrier, and Chadwick's "Eclipse"
carrier
- 432 Best 4-wick oil lamp for lantern (Newton)
- 433 Brass air-tight cylinder for limes, tongs for
ditto, a spare 4-in. condenser, rubber-tubing,
etc., etc., and 2 lantern accessory boxes
- 434 Collection of over 200 slides illustrating Shake-
speare, Tennyson, Dickens, Burns, etc., un-
coloured. From steel engravings, wood-cuts
of Sir John Gilbert, etc. Fine slides by New-
ton from pictures in National Collection,
Doré, etc.; also many slides by G. W. Wilson,
etc., etc., and 4 grooved slide boxes
- 435 Two compound plano-convex condensers,
5-in. diameter (perfect condition)
- 436 Ditto, $7\frac{1}{2}$ -in. diameter (one lens chipped)
- 437 Four large films, about 1,000 feet: King
Robert of Sicily; Let 'em Quarrel; Bad
Nerves, Bad Man; Woman's Curiosity

ELECTRICAL APPARATUS.

- 438 Box copper oxide plates for Edison battery
- 439 Box containing bottle of oil for Edison battery
- 440 Box of candle tubes
- 441 Box of china pushes
- 442 Two D.P. switches with fuses on slate bases
- 443 Box electric switches
- 444 T.P. switch on slate base
- 445 Box electric switch parts
- 446 Box electric pocket lamps
- 447 Seven fuses on slate bases

- 448 Showboard of china pushes
- 449 Four electric bells
- 450 Suspension fan
- 451 Fan motor
- 452 Four telephones
- 453 Box brass pushes
- 454 Showboard of wood pushes
- 455 Pocket ammeter
- 456 Six show-card stands
- 457 Electric toaster and electric curling iron heater
- 458 Electric accumulator, in case
- 459 Three wood trays
- 460 One dozen fancy switches
- 461 Two dozen reflectors
- 462 Shop window reflector
- 463 Three electric light brackets
- 464 Voltmeter, in brass case
- 465 Leyden jar
- 466 Electric hand lamp
- 467 Box mercury contact tubes
- 468 Auto transformer 104-25 v. 50 cycles 39 amps.

END OF SALE.

Sale Announcements.

Tuesday, February 1st,

CHINA, WEAPONS, CURIOS, &c.

Every Monday and Wednesday,

ROSE TREES, SHRUBS,

FRUIT TREES, &c.