

## **Sales catalogue: Stevens**

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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.**

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A CATALOGUE.

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**On Friday, January 28, 1916,**

AT HALF-PAST TWELVE O'CLOCK.

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**ON VIEW:**

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

**Friday, 9.30 a.m. to 12 noon.**

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**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 1½ 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

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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  
 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 necklace  
 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  $2\frac{1}{2}$ -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  $2\frac{3}{4}$ -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  $1\frac{1}{2}$ -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  $8\frac{1}{2}$  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  
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

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

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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  
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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  
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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 Spilit 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.*

50. 151

*For  
 To Gs  
 Garage*

**A-5in. centre lathe (Holzapffel)** 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 col-  
 lar, 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 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

~~301~~ 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

~~181~~ 253 Three store boxes with keys

~~45~~ 254 Two larger ditto (1 with key)

~~301~~ 255 Three large blocks of African blackwood for turning

~~201~~ 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

~~35~~ 259 Box of miscellaneous hard wood for turning

~~301~~ 260 Ditto, boxwood

~~251~~ 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.

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278 Collection of Designs for Turning

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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 $\frac{1}{2}$ -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, 3½-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 ¼-plate Sanderson field camera, Goerz lens and 3 double dark slides, in case

318 Shew's aluminium bound ¼-plate camera and view finder, with 3 dark slides, in leather cases

319 A ½-plate enlarger, no lens

320 Resistance coil

321 Invalid electric bell

322 Edison phonograph, no needle or tube

323 A ¼-plate instantograph camera, lens, two dark slides, tripod

324 A ½-plate stand camera, F/6 euroscope lens (no stops), 4 double dark slides, tripod

325 A ½-plate box camera, with roll film holder and focussing screen, no lens

326 A ¼-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, ½-in.

331 Ditto, ⅛-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, ½-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,  $\frac{1}{6}$ -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,  $\frac{1}{6}$ -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 surgical  
     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.

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.**

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A CATALOGUE.

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**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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 322 Edison phonograph, no needle or tube  
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 324 A ½-plate stand camera, F/6 euroscope lens (no stops), 4 double dark slides, tripod  
 325 A ½-plate box camera, with roll film holder and focussing screen, no lens  
 326 A ¼-plate box magazine camera  
 327 Arc lamp for lantern  
 328 Lot of printing frames  
 329 Vacuum cleaner, 200 volts alternating current

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 331 Ditto, ¼-in.  
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 333 Leitz objective, 3mm. Pantochromat  
 334 Gordon photomicrographic camera, by Beck  
 335 Powell & Lealand achromatic condenser  
 336 Zeiss objective, A1  
 337 Watson objective, ½-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,  $\frac{1}{6}$ -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,  $\frac{1}{6}$ -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  
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 364 Ditto  
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 371 Plated tea set  
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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 pressure, 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 waterproof case, with pulleys and cords

431 Lecturer's reading lamp (Newton); "Lightning" 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 Shakespeare, Tennyson, Dickens, Burns, etc., uncoloured. From steel engravings, wood-cuts of Sir John Gilbert, etc. Fine slides by Newton 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, 7½-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.

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## *Sale Announcements.*

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Tuesday, February 1<sup>st</sup>,

CHINA, WEAPONS, CURIOS, &c.

Every Monday and Wednesday,

ROSE TREES, SHRUBS,

FRUIT TREES, &c.