

This collection comprises 267 engineering plans which date in the main from the mid 1860's to the mid 1880's, plans with later dates appear to be later copies or tracings. They are working engineering drawings consisting mainly of general plans and plans of the component parts of larger engines. Most are of Steam Hammers of various sizes and designs, these being the company's main business, but the collection also includes a stationary steam engine, a machine house and a travelling crane. Each plan has its own number ending in F, which appears to have been added at some point early this century in a later reorganisation, during which several plans appear to have been re-backed and repaired or replaced by later copies. This renumbering follows a general chronological pattern, but unfortunately is not consistent with earlier plans often following plans of a later date. From notes written on some plans it is clear that they were in use as late as 1949.

Note that several plans have suffered from water damage at some point in the past and are in a fragile condition and may not be available for examination.

| Item     | Plan No  | Date             |
|----------|--|------------------|
| BUNDLE 1 |  |                  |
| /1       | Component Parts for 3 cwt Steam Hammer                             | 546F n/d         |
| /2       | Alterations to Anvil Block   | 200F 12 Apr 1875 |
| /3       | Plan of Forging Machine<br>[Note Item /181 is also marked 199F]    | 199F 30 Nov 1874 |
| /4       | Plan of General arrangement of Spindle Machine                     | 198F 6 Nov 1874  |
| /5       | Anvil Block for 7 cwt Steam Hammer                                 | 197F 13 Oct 1874 |
| /6       | Special Tup for 40 cwt Hammer                                      | 677F 29 Mar 1882 |
| /7       | Baseplate and Anvil Block for 3 Ton Hammer                         | 676F 27 Mar 1882 |
| /8       | Component Parts for 15 cwt Drop Stamp                              | 675F 23 Mar 1882 |
| /9       | Component Parts for 10 cwt Stamp                                   | 674F 23 Mar 1882 |
| /10      | Cylinder and Tup for 3 Ton Steam Hammer                            | 672F 17 Mar 1882 |
| /11      | Plan of 3 Ton Steam Hammer   | 671F 6 Apr 1882  |
| /12      | Component Parts for 50 cwt Arch Hammer [Fragile - Water Damage]    | 670F 11 Mar 1882 |
| /13      | Plan of 20 cwt Steam Hammer<br>[Fragile - Water Damage]            | 669F 4 Apr 1882  |
| /14      | Winch and Castings for 15 cwt Drop Hammer [Fragile - Water Damage] | 668F 7 Mar 1882  |
| /15      | Plan of 30 cwt Steam Hammer<br>[Fragile - Water Damage]            | 667F 4 Mar 1882  |
| /16      | Foundation for 3 cwt Arch Hammer                                   | 666F 1 Mar 1882  |

|     |   |       |                |
|-----|---|-------|----------------|
| /17 | Component Parts for 3 cwt Arch Hammer<br>[V. Fragile - Water Damage]      | 665F  | 28 Feb 1882    |
| /18 | Foundation for 15 cwt Drop Hammer<br>[V. Fragile - Water Damage]          | 664F  | 27 Feb 1882    |
| /19 | Plan of 10 cwt Steam Stamp  | 663F  | 21 Feb 1882    |
| /20 | Plan of 15 cwt Drop Hammer  | 661F  | 8 Mar 1882     |
| /21 | Component Parts for 10 cwt Steam<br>Stamp [Fragile - Water Damage]        | 660F  | 9 Feb 1882     |
| /22 | Plan of 50 cwt Steam Hammer<br>[Fragile - Water Damage]                   | 659F  | 9 Feb 1882     |
| /23 | Foundation and Anvil for 15 cwt<br>Arch Hammer                            | 658F  | 25 Jan 1882    |
| /24 | Component Parts for 6 cwt Steam<br>Hammer [Fragile - Water Damage]        | 655F  | 8 May 1884     |
| /25 | Plan of [?Steam] Hammer<br>[Fragile - Water Damage, half of plan missing] | 653F  | 17 Jan 1882    |
| /26 | Special Anvil for 1.5 cwt Steam Hammer<br>[Later tracing copy?]           | 652F  | 21 May 1906    |
| /27 | Component Parts for 7 cwt Drop Stamp                                      | 650F  | 5 Jan 1882     |
| /28 | Component Parts for 4 cwt Steel Tilter                                    | 647F  | 17 Dec 1881    |
| /29 | Tup, Roller and Studs for 8 cwt Steam<br>Hammer                           | 646F  | 29 Dec 1881    |
| /30 | Component Parts for 1.5 cwt Steam<br>Stamp                                | 645F  | 16 Dec 1881    |
| /31 | Special Tallets for Half cwt Steam<br>Hammer                              | 639F  | 16 Nov 1881    |
| /32 | Draft Plan of unidentified Component parts                                | 638F  | n/d            |
| /33 | Plan of 5 cwt Drop Hammer<br>[Later Tracing Copy, Fragile - Water Damage] | 628F  | [30 Apr 1903?] |
| /34 | Component Parts for Half cwt Steam  | 627F  | 13 Oct 1881    |
| /35 | Component Parts for Half cwt Suspended<br>Hammer                          | 627AF | 26 May 1884    |
| /36 | Components Parts for 10 cwt Drop<br>Hammer                                | 626F  | 11 Oct 1881    |
| /37 | Component Parts for 40 cwt Steam<br>Hammer [Fragile - Water Damage]       | 625F  | 5 Oct 1881     |
| /38 | Standards, Anvil and Tup for 10 cwt<br>Drop Hammer                        | 624F  | 5 Oct 1881     |
| /39 | Friction Gear for 10 cwt Drop Hammer                                      | 623F  | 30 Sep 1881    |
| /40 | Plan of 40 cwt Steam Hammer<br>[Fragile - Water Damage]                   | 621F  | 29 Sep 1881    |
| /41 | Anvil Block and Pallet for 10 cwt<br>Steam Hammer [Later Tracing Copy?]   | 620B  | n/d            |
| /42 | Plan of 5 cwt Steam Hammer  | 620F  | 14 Sep 1881    |
| /43 | Draft[?] Plan of Steam Hammer<br>[Fragile - Water Damage]                 | 619F  | n/d            |
| /44 | Cylinder for 40 cwt Steam Hammer  | 618F  | 12 Sep 1881    |
| /45 | Component Parts for Steam Hammer  | 617F  | 8 Sep 1881     |

|     |   |      |             |
|-----|---|------|-------------|
|     | Stamping Mill   |      |             |
| /46 | Wrought Iron Standards and Sides for<br>10 cwt Steam Hammer | 615F | 21 Apr 1880 |
| /47 | Plan of 1.5 cwt Steam Hammer                                | 614F | 31 Aug 1881 |
| /48 | Plan of Half cwt Steam Hammer                               | 613F | 12 Sep 1881 |
| /49 | Draft Plan of 5 Ton Hammer[?]                               | 612F | n/d         |
| /50 | Component Parts for Special Steam<br>for Crushing Solder    | 611F | 15 Aug 1881 |

## BUNDLE 2

|     |  |      |             |
|-----|--|------|-------------|
| /51 | Plan of 7 cwt Friction Hammer                          | 407F | 31 Mar 1880 |
| /52 | Plan of 7 cwt Friction Hammer                          | 406F | 9 Apr 1880  |
| /53 | Plan of Hammer with Tup weight of<br>100 and 150 Kilos | 400F | n/d         |
| /54 | Component Parts for Hammer                             | 398F | n/d         |
| /55 | Component Parts for Hammer                             | 397F | n/d         |
| /56 | Plan of Hammer with Double Standards                   | 396F | n/d         |
| /57 | Plan of Nut Cutting Apparatus                          | 389F | n/d         |
| /58 | Draft Plan of unidentified Component<br>Parts          | 390F | n/d         |
| /59 | Duplicate of Item /57                                  | 389F | n/d         |
| /60 | Plan of Wall Bracket for 2nd Motion Shaft              | 388F | n/d         |
| /61 | Plan of 2 Inch Lock                                    | 387F | n/d         |
| /62 | Plan of Pillar for 2nd Motion Shaft                    | 386F | 19 Jul 1865 |
| /63 | Unidentified Component Parts                           | 385F | n/d         |
| /64 | Duplicate of Item /63                                  | 384F | n/d         |
| /65 | Unidentified Component Parts                           | 383F | n/d         |
| /66 | Draft[?] Plan of Smith's Forge                         | 377F | 9 Mar 1869  |
| /67 | Plan of Foot of Upright                                | 375F | 3 Jul 1865  |
| /68 | Unidentified Component Parts                           | 374F | n/d         |
| /69 | Unidentified Component Parts                           | 373F | 31 Jan 1872 |
| /70 | Unidentified Component Parts                           | 370F | 5 Dec 1872  |
| /71 | Unidentified Component Parts                           | 372F | n/d         |
| /72 | Unidentified Component Parts                           | 371F | n/d         |
| /73 | Unidentified Component Parts                           | 367F | n/d         |
| /74 | Unidentified Component Parts                           | 366F | n/d         |
| /75 | Unfinished Draft Plan for a Machine<br>House           | 365F | n/d         |
| /76 | Unidentified Component Parts                           | 364F | 7 Jun 1876  |
| /77 | Unfinished Draft for Unidentified<br>Component Parts   | 363F | n/d         |
| /78 | Plan of "Wall Box"                                     | 362F | n/d         |
| /79 | Unfinished Draft for Unidentified<br>Component Parts   | 361F | n/d         |
| /80 | Component Parts for 10 Tons Travelling<br>Crane        | 351F | 5 Jan 1864  |
| /81 | Component Parts for 10 Tons Travelling<br>Crane        | 350F | 29 Dec 1863 |

|      |  |        |             |
|------|--|--------|-------------|
| /82  | Component Parts for 10 Tons Travelling Crane   | 349F   | 28 Dec 1863 |
| /83  | Wheels and Gear Wheel for 10 Tons Travelling Crane [Later Copy?]                           | 348F   | 1895        |
| /84  | Unidentified Component Parts   | 346F   | n/d         |
| /85  | Unidentified Component Parts   | 345F   | n/d         |
| /86  | Unidentified Component Parts   | 344F   | n/d         |
| /87  | Unidentified Component Parts   | 342F   | 18 Jul 1865 |
| /88  | Plan of Stationary Steam Engine<br>[Items /68-74, /76-77, 84-87 may relate to this engine] | 338F   | n/d         |
| /89  | Unidentified Component Parts   | 337F   | Jun 1862    |
| /90  | Valve Gearing for 13 Inch Cylinder with 26" Stroke   | 336F   | 22 Jun 1865 |
| /91  | Unfinished Plan of Pump  | 323F   | n/d         |
| /92  | Unfinished Plan of Component Parts<br>[Plan No torn away]                                  | 32[2?] | n/d         |
| /93  | Unidentified Component Parts   | 321F   | n/d         |
| /94  | Draft Plan of Scum Pipe for Boiler   | 318F   | n/d         |
| /95  | Draft Plan of Scum Pipe for Boiler   | 317F   | n/d         |
| /96  | Scum Pipe applied to Johnsons Patent Boiler 40 H.P.  | 316F   | 8 Dec 1863  |
| /97  | Unfinished Draft Plan of Boiler and Scum Pipe  | 315F   | n/d         |
| /98  | Draft Plan of Steam Pressure Cylinder  | 313F   | 16 Mar 1871 |
| /99  | Draft Plan of Falling-Cylinder Hammer  | 312F   | Jan 1870    |
| /100 | Draft Plan of Model Steam Hammer   | 310F   | Jul 1868    |
| /101 | Unidentified Component Parts   | 308F   | n/d         |
| /102 | Unidentified Component Parts   | 307F   | n/d         |
| /103 | Unidentified Component Parts   | 302F   | n/d         |
| /104 | Unidentified Component Parts   | 301F   | 7 Apr 1864  |

### BUNDLE 3

|      |  |      |     |
|------|--|------|-----|
| /105 | Plan of 2 Tons Self-Acting Hammer<br>[Later Tracing] | 238F | n/d |
| /106 | Duplicate of Item /105                               | 238F | n/d |
| /107 | Component Parts for 2 Tons Hammer                    | 239F | n/d |
| /108 | Component Parts for 2 Tons Hammer                    | 240F | n/d |
| /109 | Component Parts for 2 Tons Hammer                    | 241F | n/d |
| /110 | Component Parts for 2 Tons Hammer                    | 242F | n/d |
| /111 | Component Parts for 2 Tons Hammer                    | 243F | n/d |
| /112 | Piston Valve for 2 Tons Hammer                       | 244F | n/d |
| /113 | Component Parts for 2 Tons Hammer                    | 245F | n/d |
| /114 | Plan of 40 cwt Hand Hammer                           | 246F | n/d |
| /115 | Component Parts for 40 cwt Hand Hammer               | 247F | n/d |
| /116 | Component Parts for 40 cwt Hand Hammer               | 248F | n/d |
| /117 | Plan of 50 cwt Hand Steam Hammer -                   | 262F | n/d |

| Shingling Hammer |   |      |             |
|------------------|---|------|-------------|
| /118             | Duplicate of Item /117  | 262F | n/d         |
| /119             | Component Parts for 50 cwt Hand Steam Hammer  | 263F | n/d         |
| /120             | Duplicate of Item /119 with rough sketch plans on the reverse   | 263F | n/d         |
| /121             | Foundation for 50 cwt Hammer  | 264F | n/d         |
| /122             | Component Parts 50 cwt Hammer   | 265F | n/d         |
| /123             | Component Parts 50 cwt Hammer   | 266F | 7 Jun 1866  |
| /124             | Duplicate of /123   | 266F | n/d         |
| /125             | Component Parts 50 cwt Hammer   | 267F | n/d         |
| /126             | Plan 50 cwt Steam Hammer  | 269F | 9 Nov 1871  |
| /127             | Unidentified Component Parts  | 273F | 3 Sep 1869  |
| /128             | Tup for 60 cwt Steam Hammer   | 274F | 15 Mar 1872 |
| /129             | Plan 4 Tons Hand Hammer   | 275F | n/d         |
| /130             | Plan 4 Tons Hand Hammer   | 276F | n/d         |
| /131             | Draft Alterations of Tappet 4 Tons Hammer   | 277F | n/d         |
| /132             | Piston Valve for 4 Tons Hammer  | 278F | n/d         |
| /133             | Alterations of Piston Valve 4 Tons Hammer   | 279F | n/d         |
| /134             | Component Parts 2 Tons Hammer   | 280F | n/d         |
| /135             | Component Parts 4 Tons Hammer   | 281F | n/d         |
| /136             | Component Parts 4 Tons Hammer   | 282F | n/d         |
| /137             | Component Parts 4 Tons Hand Hammer  | 283F | n/d         |
| /138             | Component Parts 4 Tons Hammer   | 284F | n/d         |
| /139             | Component Parts 4 Tons Hand Hammer  | 285F | n/d         |
| /140             | Component Parts 4 Tons Hand Hammer (Duplicate of /139)  | 285F | n/d         |
| /141             | Component Parts 4 Tons Hand Hammer  | 286F | n/d         |
| /142             | Cylinder 4 Tons Hand Hammer (Copy of Plan of Cylinder supplied to Messrs Fox and Co of Leeds in 1863) | 289F | Jan 1901    |
| /143             | Piston Valve for 4 Tons Hand Hammer   | 290F | n/d         |
| /144             | Component Parts 4 Tons Hand Hammer  | 291F | n/d         |
| /145             | Component Parts 4 Tons Hand Hammer  | 292F | n/d         |
| /146             | Component Parts 4 Tons Hand Hammer  | 293F | n/d         |
| /147             | Base Plate for 4 Tons Hand Hammer   | 294F | n/d         |
| /148             | Foundation with 38 Tons Anvil Block for 4 Tons Hammer (Fragile - Badly Torn)                          | 295F | n/d         |
| /149             | Unfinished Draft Plans of Unidentified Component Parts  | 298F | n/d         |
| /150             | Foundation with 13 Tons Anvil Block for 30 cwt Hammer   | 237F | n/d         |
| /151             | Component Parts 30 cwt Hand Hammer  | 236F | Apr 1867    |
| /152             | Component Parts 30 cwt Hand Hammer (Tracing copy of /151)   | 236F | 21 Oct 1872 |
| /153             | Component Parts 30 cwt Hand Hammer  | 235F | 20 Mar 1867 |
| /154             | Stop Valve for 30 cwt Hand Hammer   | 234F | 18 Mar 1867 |
| /155             | Cylinder for 30 cwt Hand Hammer   | 233F | 1867        |
| /156             | Cylinder for 30 cwt Hand Hammer   | 233F | 18 Apr 1867 |

|      |   |       |             |
|------|---|-------|-------------|
|      | (Duplicate of /155)   |       |             |
| /157 | Plan for 30 cwt Hand Hammer   | 232F  | Apr 1867    |
| /158 | Foundation with 11 Tons Anvil Block for 25 cwt Hammer                       | 231F  | n/d         |
| /159 | Unfinished Draft Plans of Component Parts for 20 cwt Self-Acting Hammer     | 230F  | 23 Nov 1872 |
| /160 | Foundation with 9 Tons Anvil Block for 20 cwt Hammer                        | 228F  | n/d         |
| /161 | Plan of Special 20 cwt Hand Hammer  | 227F  | Jan 1873    |
| /162 | Component Parts for 15 and 20 cwt Hand Hammer                               | 224F  | n/d         |
| /163 | Component Parts for 20 cwt Hand Hammer                                      | 222F  | Nov 1866    |
| /164 | Cylinder for 20 cwt Hand Hammer   | 220F  | n/d         |
| /165 | Plan of 20 cwt Hand Hammer  | 219F  | n/d         |
| /166 | Component Parts for 20 cwt Self-Acting Steam Hammer                         | 218F  | n/d         |
| /167 | Cylinder for 20 cwt Self-Acting Steam Hammer                                | 216F  | n/d         |
| /168 | Foundation with 7 Ton Anvil Block for 15 cwt Hammer                         | 213F  | n/d         |
| /169 | Anvil Block with Foundations for 15 cwt Hammer                              | 212F  | n/d         |
| /170 | Draft Plans for Component Parts for "No 22 Hand Hammer"                     | 211F  | 7 Dec 1863  |
| /171 | Draft Plans for Component Parts for "No 22 Hand Hammer"                     | 210F  | 10 Dec 1863 |
| /172 | Smith Work (Component Parts) for 15 cwt Hand Hammer                         | 209F  | 14 Apr 1864 |
| /173 | Smith Work (Component Parts) for 15 cwt Self Acting Steam Hammer            | 208F  | 11 Apr 1864 |
| /174 | Smith Work (Component Parts) for 15 cwt Self Acting Steam Hammer            | 208AF | 13 Apr 1864 |
| /175 | Smith Work (Component Parts) for 15 cwt Self Acting Steam Hammer            | 207F  | 6 Apr 1864  |
| /176 | Draft Plan of Cylinder for 15 cwt Steam Hammer                              | 206F  | n/d         |
| /177 | Stop Valve for 15 cwt Steam Hammer  | 205F  | 15 Apr 1864 |
| /178 | Draft Plan of Piston Valve for 15 cwt Steam Hammer                          | 204F  | n/d         |
| /179 | Piston Valve for 15 cwt Steam Hammer  | 203F  | 28 Jan 1864 |
| /180 | Component Parts for 15 cwt Steam Hammer                                     | 201F  | n/d         |
| /181 | Component Parts for 15 and 20 cwt Hammer [Note Item /3 is also marked 199F] | 199F  | n/d         |
| /182 | Component Parts for 15 and 20 cwt Self-Acting Steam Hammer                  | 196F  | n/d         |
| /183 | Component Parts for 15 and 20 cwt Self-Acting Steam Hammer                  | 195F  | n/d         |

|      |   |       |             |
|------|---|-------|-------------|
| /184 | Component Parts for 15 and 20 cwt Self-Acting Hammer  | 194F  | n/d         |
| /185 | Component Parts for 15 and 20 cwt Self-Acting Hammer  | 193F  | n/d         |
| /186 | Piston Valve for 15 and 20 cwt Self-Acting Hammer   | 192F  | n/d         |
| /187 | Stop Valve for 15 and 20 cwt Hammers  | 191F  | n/d         |
| /188 | Cylinder and Stop Valve for 10 cwt Hand Hammer  | 188F  | 5 Jun 1867  |
| /189 | Plan for 10 cwt Steam Hammer for Wheel Making   | 186F  | n/d         |
| /190 | Component Parts for 7 and 10 cwt Hand Hammer  | 181F  | n/d         |
| /191 | Draft Plan of Foundation with 5 Ton Anvil Block for 10 cwt Hammer                             | 180F  | n/d         |
| /192 | Cylinder for 7 and 10 cwt Hand Hammer (Copy made Feb 1896?)                                   | 179F  | n/d         |
| /193 | Plan for 10 cwt Steam Hammer  | 176F  | Sep 1871    |
| /194 | Draft Plan for 10 cwt Hand Hammer   | 175F  | 1 Oct 1867  |
| /195 | Base Plate for 10 cwt Self-Acting Hammer. Overhanging   | 174F  | n/d         |
| /196 | Component Parts for 10 cwt Double Acting Hammer. Overhanging                                  | 173F  | n/d         |
| /197 | Component Parts for 10 Double Acting Hammer. Overhanging                                      | 172F  | n/d         |
| /198 | Component Parts for 10 cwt Double Acting Hammer. Overhanging                                  | 171F  | 27 Jul 1865 |
| /199 | Component Parts for 10 cwt Hand Hammer  | 169F  | n/d         |
| /200 | Draft Plan for 10 cwt Hand Hammer drawn on reverse of Foundation Plan for 80 cwt Steam Hammer | 168F  | n/d         |
| /201 | Component Parts for 10 cwt Self-Acting Overhanging Steam Hammer                               | 167F  | n/d         |
| /202 | Component Parts for 10 cwt Self-Acting Overhanging Steam Hammer                               | 166F  | n/d         |
| /203 | Component Parts for 10 cwt Double Action[?] Self-Acting Overhanging Hammer                    | 164F  | n/d         |
| /204 | Plan 10 cwt Double Action[?] Self-Acting Steam Hammer   | 163AF | n/d         |
| /205 | Cylinder for 10 cwt Double Action[?] Self-Acting Overhanging Hammer                           | 162F  | n/d         |
| /206 | Plan of 10 cwt Self- Acting Overhanging Steam Hammer  | 161F  | n/d         |
| /207 | Component Parts for 7 cwt Hand Hammer   | 160F  | 27 Sep 1872 |
| /208 | Component Parts for 7 cwt Straight Hammer   | 159F  | n/d         |
| /209 | 3.25 Tons Anvil Block with Foundation   | 158F  | n/d         |

|      |  |      |              |
|------|--|------|--------------|
|      | for 7 cwt Straight Hammer                                    |      |              |
| /210 | Component Parts for 7 and 10 cwt Self-Acting Hammer          | 157F | n/d          |
| /211 | Component Parts for 7 and 10 cwt Self-Acting Hammer          | 156F | n/d          |
| /212 | Component Parts for 7 and 10 cwt Self-Acting Straight Hammer | 155F | n/d          |
| /213 | Piston Valve for 7 and 10 cwt Hammer                         | 154F | n/d          |
| /214 | Stop Valve for 7 and 10 cwt Hammer                           | 153F | n/d          |
| /215 | Cylinder for 7 and 10 cwt Self-Acting Straight Hammer        | 152F | n/d          |
| /216 | Foundation and Anvil Block for 7 cwt Steam Hammer            | 150F | Oct 1870     |
| /217 | Component Parts for 7 cwt Steam Hammer                       | 149F | Oct 1870     |
| /218 | Plan of 7 cwt Steam Hammer                                   | 148F | Oct 1870     |
| /219 | Plan of 7 cwt Hand Hammer                                    | 147F | n/d          |
| /220 | Component Parts for 7 cwt Self-Acting Steam Hammer           | 145F | n/d          |
| /221 | Plan of 7 cwt Self-Acting Steam Hammer                       | 144F | Jun 1868     |
| /222 | Component Parts for 7 cwt Hand Hammer                        | 143F | 4 Dec 1863   |
| /223 | Component Parts for 7 cwt Hand Hammer                        | 142F | 6 Nov 1863   |
| /224 | Component Parts for 7 cwt Hand Hammer                        | 141F | 9 Nov 1863   |
| /225 | Component Parts for 7 cwt Hand Hammer                        | 140F | 10 Nov 1863  |
| /226 | Unfinished Foundation Plan for 6 cwt Arch Hammer             | 138F | [Oct 1872 ?] |

#### BUNDLE 4

|      |   |      |             |
|------|---|------|-------------|
| /227 | Foundation for 7 cwt Steam Hammer                       | 800F | 2 Oct 1883  |
| /228 | Component Parts for 10 cwt Steam Hammer                 | 799F | 27 Sep 1883 |
| /229 | Plan of 7 cwt Hand Worked Arch Hammer                   | 798F | 27 Sep 1883 |
| /230 | Foundation for 36 Circular Saw                          | 797F | 26 Sep 1883 |
| /231 | Unidentified Component Parts [For 20 cwt Steel Tilter?] | 796F | 22 Sep 1883 |
| /232 | Plan of 15 cwt Steam Hammer                             | 795F | 20 Sep 1883 |
| /233 | Anvil and Foundation for Half CWT Shovel Plating Hammer | 743F | 23 Dec 1882 |
| /234 | Unfinished Draft Plan for 3.5 Ton Steam Arch Hammer     | 742F | n/d         |
| /235 | Tups for O.H. [Overhanging] Steam Hammers (Self-Acting) | 740F | 24 Nov 1882 |
| /236 | Foundation for 3 cwt Air Cushion Hammer                 | 739F | 13 Nov 1882 |
| /237 | Plan of 3.5 Ton Steam Hammer                            | 738F | Dec [1882?] |
| /238 | Special Foundation for 12 cwt Steam                     | 737F | 9 Nov 1882  |



|      |  |       |             |
|------|--|-------|-------------|
|      | Hammer   |       |             |
| /239 | Component Parts for 12 cwt Steam Hammer  | 736F  | 6 Nov 1882  |
| /240 | Component Parts for 8 cwt Steam Hammer   | 735F  | 28 Oct 1882 |
| /241 | Foundation for 8 cwt Steam Hammer  | 734F  | n/d         |
| /242 | Foundation for 12 cwt Steam Hammer   | 733F  | 25 Oct 1882 |
| /243 | Unfinished Draft Plan for 5 cwt Hammer   | 732AF | n/d         |
| /244 | Component Parts for repairs to Hammer of Messrs Westwood, Baillie & Co           | 731F  | 3 Oct 1882  |
| /245 | Plan of Cylinder and Gear for repairs to Hammer of Messrs Westwood, Baillie & Co | 728F  | 29 Sep 1882 |
| /246 | Plan of 8 cwt Steam Hammer   | 727F  | 20 Oct 1882 |
| /247 | Component Parts for 3 cwt Air Cushion Hammer                                     | 726F  | 25 Sep 1882 |
| /248 | Component Parts for 3 cwt Air Cushion Hammer                                     | 724F  | 18 Sep 1882 |
| /249 | Plan of 12 cwt Steam Hammer  | 723F  | Sep 1882    |
| /250 | Plan of Brake Arrangement for Winch  | 722F  | 11 Sep 1882 |
| /251 | Alterations for 3 Ton Steam Hammer for Great Eastern Railway Co                  | 720F  | 8 Sep 1882  |
| /252 | Component Parts for 1.5 cwt Coppersmith Hammer                                   | 718F  | 22 Aug 1882 |
| /253 | Cylinder for 1.5 cwt Coppersmith Hammer  | 717F  | 19 Aug 1882 |
| /254 | Plan of Air Cushion Hammer   | 721F  | 8 Sep 1882  |
| /255 | Component parts for 10 cwt Steam Hammer  | 715F  | 17 Aug 1882 |
| /256 | Plan of 1.5 cwt Coppersmith Hammer   | 714F  | 21 Aug 1882 |
| /257 | Foundation and Anvil for 10 cwt Steam Hammer                                     | 713F  | 8 Aug 1882  |
| /258 | Component Parts for 15 cwt Steam Hammer  | 711F  | 28 Jul 1882 |
| /259 | Cylinder, Standard and Tup for 10 cwt Steam Hammer                               | 710F  | 21 Jul 1882 |
| /260 | Component Parts for 4 cwt Steam Hammer   | 709F  | 10 Jul 1882 |
| /261 | Component Parts for 3 cwt Steam Hammer   | 708F  | 8 Jul 1882  |
| /262 | Component Parts for 7 cwt Steam Hammer   | 707F  | 29 Jun 1882 |
| /263 | Baseplate and Anvil for 4 cwt Steam Hammer                                       | 706F  | 22 Jul 1882 |
| /264 | Plan of 4 cwt Steam Hammer   | 705F  | 5 Jul 1882  |
| /265 | Foundation for 15 cwt Steel Tilter   | 704F  | n/d         |
| /266 | Component Parts for 15 cwt Drop Hammer   | 703F  | 26 Jun 1882 |
| /267 | Cylinder and Standard for 3 cwt Steam Hammer                                     | 701F  | 19 Jun 1882 |