

FOURTH DAY'S SALE, FRIDAY, DECEMBER 15TH, 1854.

Turning Shop.

LOT		C.	qrs.	lbs.
554	WHITWORTH'S PATENT DUPLEX SELF-ACTING SLIDE LATHE, with 10 in. head stocks and 12 ft. bed, extra motion for turning conical shafts from $3\frac{3}{4}$ to $4\frac{1}{8}$ in. taper, four change wheels, and two studs, two face plates, nine wrenches, &c.; together with the TOP DRIVING APPARATUS, consisting of two pairs of fast and loose pulleys and cone pulley, with shaft and carriages, disengaging gear, &c.			
555	Six wrought-iron boring bars	3	2	17
556	Three stays for ditto and four tools	1	3	7
557	Drilling apparatus and brace			
558	Five pairs of wood clams and box			
559	LARGE SELF-ACTING BORING LATHE, for taper or conical cylinders, with 15 ft. bed, by Prosser, with three extra glands			
560	Quantity of boring rods and bits	1	2	20
561	Ten lead laps, with iron centres	0	0	26
562	THREE LEATHER DRIVING BANDS, viz., two 22 ft. by 2 in., and one 20 ft. by $2\frac{1}{2}$ in., weight 15 lbs.			
563	Four ditto ditto, 14 ft. by $2\frac{3}{4}$ in., 15 ft. by $2\frac{1}{2}$ in., 15 ft. by 2 in., and 13 ft. by 2 in., weight $13\frac{1}{2}$ lbs.			
564	Three ditto ditto, 21 ft. by $3\frac{1}{2}$ in., 14 ft. by 3 in., and 14 ft. by $2\frac{1}{2}$ in., weight $13\frac{1}{2}$ lbs.			
565	Four ditto ditto, 22 ft. by 2 in., 12 ft. by $1\frac{3}{4}$ in., 12 ft. by 2 in., and 16 ft. by $1\frac{1}{2}$ in., weight 11 lbs.			

566	TURNING LATHE, with 8 ft. cast-iron bed 9 in. head stocks, slide rest, overhead and foot motion, and extra 18 in. face plate, driving band, &c. complete	1	3	15
567	Quantity of steel and iron boring bits			
568	GRINDSTONE, 3 ft. diameter and 5 in. on face, with spindle and carriages, two pulleys, and frame			
569	DRILLING MACHINE, by Nasmyth, Gaskell, and Co., on stand, with hand wheel and pulleys			
570	LARGE VICE, with 5 in. face			
571	Ditto with 6 in. face			
572	Ditto with $5\frac{1}{4}$ in. face			
573	BENCH DRILLING MACHINE, with brace, &c.			
574	Three-inch elm vice bench, 11 ft. by 2 ft. 6 in., with two drawers			
575	Three sets of figure punches and cast-steel chisels	0	1	3
576	Lot of steel tools (various)	0	0	15
577	Sundry wrenches and tools	0	0	11
578	Lot of cast-steel turning tools	0	1	8
579	Surface plate and cover			
580	Box of red lead, five cleansers, pair of bellows, brace, and bow-saw			
581	Two boxes of CAST-STEEL CUTTERS	0	1	3
582	Three saw spindles and nineteen circular saws			
583	Lot of cast-steel tools	0	0	25
584	Forty-eight files, with handles (nearly new)			
585	Fifty-three ditto ditto			
586	Six oil cans			
587	Twenty-five wrought-iron mandrils	4	2	0
588	POWERFUL UPRIGHT DRILLING MACHINE, by Shanks, will drill a hole 4 in. diam. with pair of six-speed conical pulleys and pair of fast and loose pulleys, steel cutters, face plate, spindle, and harbers for turning malleable-iron ferrules, from $1\frac{1}{2}$ in. to $3\frac{1}{4}$ in. diameter	2	0	17
589	Various ironwork, bolts, and nuts	0	3	12
590	Nine pairs of wrought-iron clams	0	2	12
591	Boring bars and bits, with hammer	0	3	4
592	Fifty boring bits (various sizes)	0	2	18
593	Seventeen driving clams and catches			
594	Quantity of turning tool handles			

LOT

- 595 Screw bolts and nuts, and useful ironwork
 596 Five cast and wrought-iron mandrils
 597 POWERFUL TURNING LATHE, with double geared 11 in. head stocks, by *Collier and Co.*, 20 ft. bed, with four-claw chuck face plate, 20 in. diameter, one plain ditto, and two sliding carriages, together with the over-head DRIVING MOTION, consisting of shaft and carriages, with three pairs of fast and loose pulleys, disengaging gear, &c.

- 598 Pair of single-geared 10-INCH HEAD STOCKS, with hand-rest and five T rests, and the OVER-HEAD DRIVING MOTION, consisting of shaft and carriages, pair of fast and loose pulleys, cone pulley, and disengaging gear

- 599 Four extra stays, and other lathe appendages, 2 cwt. 1 qr., and the wood bearings, of various sizes

- 600 Six wrought-iron rests, and two cast-metal ditto

- 601 Wrenches and other tools

- 602 Lot of steel and iron TURNING TOOLS

- 603 Cast-steel straight edge and square

- 604 Six chisels and gouges

- 605 Quantity of cast-steel turning tools

- 606 Ditto ditto

- 607 Cast-metal angle plates, packings, and two mandrils

- 608 Thirty wrought-iron mandrils (various)

- 609 Fifty ditto ditto

- 610 25½ lbs. of steel drills and boring bits, and wood rack

- 611 75 lbs. of steel and iron ditto ditto

- 612 Three pairs of calipers

- 613 Deal cupboard

- 614 Ditto and tool rack

- 615 BRIGHT DRIVING SHAFT, 45 ft. long, and 2 in. diameter, with five hanging brackets, two chairs and brasses, and wall-box

- 616 One TURNED IRON PULLEY, 20 in. diameter, and 8 in. on face, with conical bush

- 617 One ditto 20 in. ditto and 4 in. ditto

- 618 One ditto 24 in. ditto and 9 in. ditto

C. 0 0
 qrs. 2 2
 lbs. 16 8

1 1 2
 0 0 18
 1 0 24

0 3 21
 0 2 15½
 0 3 24
 1 2 22
 1 2 6

- LOT Three TURNED IRON PULLEYS, 17½ in. diameter and 6 in. on face, with conical bush

- 620 Three ditto 17½ in. ditto and 6 in. ditto

- 621 One ditto 15 in. ditto and 4 in. ditto

- 622 One ditto 14 in. ditto and 6 in. ditto

- 623 One ditto 14 in. ditto and 9 in. ditto

- 624 One ditto 12 in. ditto and 7 in. ditto

- 625 One ditto 12 in. ditto 6 in. ditto

- 626 Six brass double gas brackets and burners, and four long suspending brackets and burners, and 62 ft. of ¾ in. and 20 ft. of ½ in. iron piping,

- 626* 68 ft. run of 7 by 3 in. deal uprights, and two cross pieces supporting floor

- 627 Wash-stand, basin, and sundries

- 628 LARGE STEAM GAUGE

- 629 WROUGHT-IRON SHAFTS, 1¾ in. diameter, with two chairs, and brasses, and driving pulley, 2 ft. 6 in. diameter, and 4 in. on face

- 630 Four emery boxes and emery

- 631 Sundries

Mathematical, Mechanical, Drawing, and other Instruments.

- 632 Valuable ENGINE COUNTER and box

- 633 Ditto ditto

- 634 Steam engine indicator, high and low pressure

- 635 STEAM GAUGE

- 636 Ditto ditto

- 637 Ditto ditto

- 638 Wharton's metallic piston and case

- 639 Ditto ditto

- 640 Gas pressure gauge

- 641 VACUUM GAUGE, by *Casella*, (new)

- 642 Ditto ditto (ditto)

- 643 *Mc Naught's* STEAM ENGINE INDICATOR and box

- 644 Ditto ditto ditto

- 645 MIKROTATOMETER and case, by *Lt. Lecount*

- 646 STEAM INDICATOR, by *Shanks*

- 647 Ditto ditto, by *Bourdon*

- 648 Spirit level

square rubbers, bast

- LOT
 649 Excellent PENTEGRAPH, by *Dolland, London*
 650 Ditto ditto, by *Smith*
 651 Ditto ditto, (French)
 652 Ditto ditto, (German)
 653 EIDOGRAPH and case, by *Adie and Son, Edinburgh*
 654 Mountain barometer
 655 VERY VALUABLE ELLIPTOGRAPH, by *Farey*,
 and box
 656 Perspective drawing instrument and case
 657 Instrument for copying mechanical drawings
 658 Pair of beam compasses, in morocco case
 659 Large brass beam compass
 660 *Carry's* decimal calipers and case
 661 Sextant
 662 Theodolite and box
 663 Instrument for illustrating the principle of inclined
 planes
 664 Hydrostatic bellows and box
 665 *Jackson's* standard measure for tyres of wheels
 666 THERMOMETROGRAPH
 667 Two gauges
 668 Two box compasses
 669 Instrument for ascertaining the vibration of a
 surface
 670 Rain gauge
 671 Corn metre, in oak case
 672 *Daniel's* hydrometer and *Mason's* ditto
 673 *Dr. Roth's* AUTOMATON CALCULATOR
 674 Ditto ditto ditto
 675 Ditto ditto ditto
 676 Ditto ditto ditto
 677 Ditto ditto ditto
 678 Ditto ditto ditto
 679 Ditto ditto ditto
 680 Ditto ditto ditto
 681 Ditto ditto ditto
 682 Ditto ditto ditto
 683 Ditto ditto ditto
 684 Ditto ditto ditto
 685 Ditto ditto ditto
 686 Ditto ditto ditto

- LOT
Dr. Roth's AUTOMATON CALCULATOR
 687 ditto ditto
 688 Ditto ditto ditto
 689 Ditto ditto ditto
 690 Ditto ditto ditto
 691 *Wertheimer's* ditto ditto
 692 Ditto ditto
 693 Watchmakers' lathe and tools
 694 Mechanical apparatus for ruling parallel lines
 695 Ditto ditto
 696 SET OF NEW CURVES, from 1 in. to 54 in.
 radius, by *Holtzapffel*
 697 Sixty-eight curves, by *Hudelo, Paris*, and box
 698 Curves, (various) seven ellipsis, and seven set squares
 699 Set of BRASS SCALES, and set of brass DECI-
 MAL WEIGHTS, from $\frac{1}{4}$ lb. to 10 lbs.
 700 Two parallel rulers
 701 Two pairs of calipers
 702 Sundry drawing instruments
 703 Magnet, brass stop-cock, and sundries
 704 *Macfarlane's* calculating planisphere
 705 *Mason's* hygrometer
 706 *Brown's* universal BAROMETER
 707 Ditto ditto, and thermometer
 708 *Gargory's* self-register THERMOMETER
 709 Ditto ditto ditto
 710 *Casella's* thermometer and another
 711 Two MERCURY GAUGES
 712 Two ditto ditto
 713 Barometer and thermometer
 714 Ditto ditto
 715 Ditto ditto
 716 Lactometer
 717 Trocheameter
 718 Two thermometers
 719 Mahogany legs for a theodolite

Models, &c.

- 720 Sectional model of a machine for drawing lead
 piping
 721 Small model of a punching and shearing machine
 722 Model of *Russell's* tube-welding tongs

LOT

- 723 Model of circular tube-sawing machine
 724 Ditto of *Royle's* tube-welding apparatus
 725 Ditto of a brick machine
 726 Ditto of *Bentham's* sawing machine
 727 Ditto of a tube-welding machine, (part only)
 728 Five models, various
 729 Sundry models of a geometrical apparatus for ellipsis
 730 Model of a locomotive steam engine, and glass shade
 731 Ditto of a ship, with stand and shade
 732 Ditto of a Chunk stove, and leather case
 733 Ditto of an oscillating steam engine
 734 Ditto of a steam engine, (with lamps)
 735 Four boxes, each containing a model of a horse's
 foot in plaster
 736 Model of a window blind
 737 Ditto of a differential screw press
 738 Sundries

Engineer's Office.

- 739 Mahogany table
 740 Ditto, with two drawers
 741 Small bookcase and letter rack
 742 Half-glass enclosure, with door, spring, and fastenings
 743 Two rollers and blinds
 744 Two wire gauze blinds
 745 Bracket clock and bracket
 746 Board and tressels
 747 Letter bag and sundries
 748 Hat rail and pegs
 749 Large press, for copying drawings, by *Boulton and Watt*
 750 Chest of twenty-three mahogany drawers, for drawings
 751 Chest of thirteen ditto ditto
 751* Painted cupboard, enclosing fifteen sliding trays
 752 Almanack frame and sundries on floor
 753 Distance tables and frame
 754 Table on tressels
 755 Ditto ditto
 756 Galvanized wrought-iron pipe

LOT

- 757 Cast-metal electro-plated ditto
 758 Rack and twenty-seven gauges
 759 Boat gauge and 10 ft. measuring rod
 760 Iron Chunk stove
 761 Brass ferrule patterns, from $1\frac{3}{4}$ in. to 4 in., and box
 762 Gas fittings
 763 Chair and sundries
 764 Letter balance
 765 Lot of brass metal time tokens
 766 Fifteen steel magnets, (not loaded)
 767 Ditto ditto

Wood Patterns.

- 768 Quantity of valuable wood patterns, in from 30 to 40 lots

End of Fourth Day's Sale.

quare rubbers, bast

FIFTH DAY'S SALE, TUESDAY, DECEMBER 19TH, 1854.

New Files.

- LOT
769 Four 16-in. flat, second cut, three 16-in. ditto, bastard smooth, three 14-in. ditto, second cut, and two 14-in. ditto, smooths
770 Forty-two flat 16-in. bastard cut
771 Nine 14-in. safe-edge parallel bastard cut, and three 16-in. ditto
772 Eighteen 13-in. parallel bastard cut, and twenty-six 12-in. ditto
773 Twenty-six 14-in. half-round bastard, and five ditto 12-inch ditto
774 Eighteen 13-in. half-round ditto, and twenty-four 12-in. ditto
775 Twenty-four 13-in. half-round ditto
776 Twelve 12-in. flat, bastard smooth
777 Twenty-four 12-in. bastard, rough
778 Six 12-in. flat parallel bastard cut, and thirty 10-in. ditto
779 Twelve 12-inch half-round smooth, twelve 10-inch three-square second-cut, six half-round 10-in. second-cut, and six 9-inch taper flat rough
780 Twelve 10-in. safe-edge parallel flat, six $9\frac{1}{2}$ in. half-round bastard, six 10-in. ditto, six 9-in. flat ditto, and six three-square 9-in. second cut
781 Twelve 9-inch three-square bastard, six half-round 10-in. ditto, six flat 10-in. bastard smooth, six 12-in. square ditto, and six 9-inch half-round
782 Twelve 10-inch three-square bastard, six 9-inch half-round ditto, six 8-inch flat smooth, six 12-inch three-square bastard, and six half-round smooth

- LOT
783 Twelve 8-inch half-round bastard, six 10-in. half-round smooth, six 8-inch half-round bastard, six 10 in. three-square second-cut, and six 12-inch round parallel
784 Six 14-inch $\frac{5}{8}$ -in. square bastard, six 9-inch half-round ditto, six 10-inch three-square ditto, six 10-inch $\frac{3}{8}$ -in. square ditto, and six 8-inch smooth parallel
785 Six 13-in. $\frac{5}{8}$ -in. square bastard, six 13-in. safe edge bastard, six 10-in. three-square bastard rough, six 8-in. half-round smooth, and six 10-in. $\frac{7}{16}$ round
786 Twelve 10-in. safe-edge second-cut, six 10-in. $\frac{3}{8}$ square ditto, six 10-in. three square bastard rough, six 13-in. half-round ditto, and six 12-in. $\frac{1}{2}$ -in. round ditto
787 Six 12-in. $\frac{1}{2}$ -in. square bastard rough, six 10-in. three-square ditto, six 10-in. $\frac{3}{8}$ square ditto, six 8-in. smooth flat safe-edge, three 12-in. $\frac{1}{2}$ -in. round, and six $9\frac{1}{2}$ -in. three-square bastard
788 Six 10-in. three-square bastard, six $13\frac{1}{2}$ -in. $\frac{5}{8}$ -square ditto, six 8-in. parallel second-cut, six 10-in. flat smooth, six 8-in. half-round ditto, twelve 8-in. $\frac{5}{16}$ -round, and one 16-in. 1-in. square rough
789 Six 13-in. three-square bastard, six 10-in. half-round smooth, six 10-in. smooth flat parallel, three $\frac{1}{2}$ -in. square bastard, two 12-in. slotting files, and two bastard round
790 Six 10-in. three-square files, five 10-in. slotting, six 8-in. half-round smooth, twelve 7-in. round bastard, twelve 6-in. ditto, six 8-in. flat bastard, and twelve 7-in. parallel flat
791 Twelve 6-in. half-round bastard, six 10-inch three-square, twelve $7\frac{1}{2}$ -in. $\frac{1}{4}$ -in. round, twelve 8-in. $\frac{5}{16}$ -in. square, and twelve 9-in. flat bastard
792 Six 10-in. three square, four 10-in. taper flat, five 12-in. flat second cut, twelve 8-in. three-square, second-cut, and twelve 7-in. $\frac{5}{16}$ -in. square
793 Six 8-in. three-square, six 8-in. flat bastard, six 10-in. slotting files, six 9-in. half-round smooth, eight 10-in. $\frac{1}{2}$ -in. round, and twelve 7-in. $\frac{1}{4}$ -in. square

square rubbers, bast

- LOT
794 Five 12-inch flat second-cut, twelve 8-in. slotting files, ten 8-in. $\frac{5}{16}$ -in. round, six 6-in. half-round, second-cut, and six 6-in. three-square
- 795 Six 6-in. flat bastard, twelve 6-in. $\frac{1}{4}$ -in. square, twelve $5\frac{1}{2}$ -in. half-round ditto, six $6\frac{1}{2}$ -in. quarter-round ditto, and six 8-in. half-round ditto
- 796 Twelve 6-in. flat bastard, twelve 6-in. $\frac{1}{4}$ round ditto, twelve $5\frac{1}{2}$ -in. $\frac{1}{4}$ -square ditto, and six $9\frac{1}{2}$ -in. three-square ditto
- 797 Six $6\frac{1}{2}$ -in. flat bastard, six $4\frac{1}{2}$ -in. ditto, five 6-in. $\frac{3}{16}$ -in. round, six $4\frac{1}{2}$ -in. $\frac{3}{16}$ -in. square, twenty-four $4\frac{1}{2}$ -in. $\frac{1}{8}$ -in. round, twelve 4-in. flat, twelve $3\frac{1}{2}$ -in. ditto, eighteen 3-in. ditto, fifteen $3\frac{1}{2}$ -in. $\frac{1}{8}$ -in. square and round ditto
- 798 Seven saw files, various lengths, and six $4\frac{1}{2}$ -in. ditto, two 13-in. iron saws, six small ditto for wood, two 12-in. sample files, and one 10-in. curved ditto,
- 799 Quantity of old files, at per lb.
- 800 Deal file cupboard

Upper Fitting Shop.

- 801 SELF-ACTING TURNING AND SCREWING LATHE, by *Whitworth*, with 7 in. head stocks and 7 ft. bed, two face plates, 7 in. and 14 in. diameter, self-acting surfacing motion, nineteen change wheels for screw cutting, four chucks, die dish, hand rest, &c., with overhead driving and foot motion, complete
- 802 Three iron steady poppets and one wood ditto, for the above
- 803 Sundry ironwork for lathe
- 804 Steel turning and hand tools
- 805 Drills, boring bits, and rymers
- 806 Chasing tools
- 807 Wrought-iron boring bars and mandrils
- 808 Steel rymers, boring bits, and cutters
- 809 Lathe drivers and dogs for face plates
- 810 Screw bolts
- 811 Face plate, with eight dies for screwing 3 in. tubes, pair of clams and driver for tubes, and 3 in. tap

0 3 14
0 2 19
0 1 0
0 0 11
1 1 14
0 1 18
0 1 27
0 1 1
0 2 20

C. qrs. lbs.
0 3 12

- LOT
812 Wrought-iron mandrils
- 813 Single-sided PUNCHING PRESS, with dies, five tools and wrench, and wood stand
- 814 GRINDSTONE, 15 in. diameter and 5 in. on face, with frame, and pulley
- 815 Vice and bench
- 816 Valuable COMPOUND LAPPING MACHINE, with 6 in. brass and lead laps, and costly elevating apparatus, with speed-wheel treadle motion, &c., complete, by *Holtzapffel, London*
- 817 PORTABLE SMITHS' HEARTH
- 818 Screw bolts, for lathe, and box
- 819 Parts of a slide rest, plates, and screws
- 820 Ratchett drill brace, with cramp
- 821 Lot of steel rymers
- 822 Wrought-iron TURNING MANDRILS
- 823 Wrought-iron lathe glands and drivers
- 824 Steel LATHE DRILLS, rymers, and boring bits
- 825 Dogs and drivers
- 826 Hand wrenches
- 827 Hand tools
- 828 Slide rest tools
- 829 Three sets of figure punches and one set of letters
- 830 Two pairs of calipers and punches
- 831 Hand brace, bow-saw, breast drill, scribing block, and pair of pincers
- 832 Two pairs of small hand vices, pair of compasses, and two pairs of calipers
- 833 Two pairs of compasses, pair of calipers, and large hand vice
- 834 Two screw plates, twenty-one taps, two iron wire gauges, and three small wrenches
- 835 Iron vice, with $4\frac{1}{4}$ in. face
- 836 Ditto, with $5\frac{1}{2}$ in. ditto
- 837 Ditto with 5 in. ditto
- 838 $2\frac{1}{4}$ in. elm VICE BENCH, 23 ft. long by 2 ft. 3 in. wide, with three drawers and file rack
- 839 Forty-one files and smooths
- 840 Sixty-eight ditto ditto
- 841 Hand chisels
- 842 Three hand hammers, pair of hand shears, and small grindstone

0 1 3
0 0 18
0 2 20
0 1 2
0 1 4
0 0 16
0 1 17
0 0 10
0 0 20
0 0 18
0 1 8

LOT

- 843 Six hand hammers
 844 HEAD STOCK, with cross slide and saddle, brasses, and glands
 845 Sixteen oil cans (various sizes)
 846 Plumb level, steel square, and two straight edges
 847 Pair of hand shears
 848 Wood beam, screw pin, and hand brace, for vertical drilling

849 SURFACE PLATE, $9\frac{1}{2}$ in. square, with cover850 Ditto $10\frac{1}{2}$ in. by 5 in.

851 Quantity of small washers, nuts, and pins

852 Pair of strong 3-sheaf PULLEY BLOCKS, $5\frac{1}{2}$ in. diameter, with rope and two chains

853 Deal cupboard, with two shelves

854 Tier of twelve drawers

855 Six deal shelves and tool rack

856 Nine pairs of tongs

857 Six double bracket gas branches, with burners, and 53 ft. run of iron piping

858 BRIGHT IRON SHAFT, 10 ft. long and $1\frac{3}{4}$ in. diam. with two hanging carriages and brasses, wood support, and five turned-iron DRIVING PULLEYS, viz., two of 11 in. diameter and 5 in. on face, one 30 in. diameter and $2\frac{3}{4}$ in. on face, one 13 in. diameter and 3 in. on face, and one 16 in. diameter and 5 in. on face

859 Wood stand

860 Ditto

861 Stove and piping

862 Table and tressels

863 Three soldering irons, ladle, glue pot, plane, two chisels, gauge, and screw driver

864 11 lbs. of leather and box

865 Strong iron vice

866 Ditto (no screw)

867 Cask of emery

868 MACHINE for PIERCING BUTTON CARDS

869 Sundries

Fitting Shop, No. 2.

870 Quantity of large BRASS TUBES

C. qrs. lbs.

0 0 11

2 3 20

C. qrs lbs.

0 3 10

5 0 18

2 3 20

LOT
871 Four 3 in. composition metal tubes

872 SHEET STEEL

873 Two large spelter cylinders and lot of scrap

874 LAPPING LATHE, with two 13 in. lead laps, and one stone ditto, with treadle, complete

875 Small grindstone, with frame and treadle, complete

876 Three facing tools and rose bit

877 Three pairs of screw stocks, three screw plates, thirteen dies, thirty-nine taps, and four hand wrenches

878 Two pairs of spring compasses, and pair of calipers

879 Three pairs of plyers, pair of hand shears, two pairs of nippers, and wire gauge

880 Quantity of old lead

881 Ditto of LEAD PIPING, (various sizes)

882 Ditto of old sheet lead

883 Ditto of old lead and block tin

884 Ten brass taps, (various sizes)

885 Quantity of boring bits and rymers, and small bick iron

886 Thirty-two files and smooths

887 Two plates, dish cover, two trays, ladle, and candle-stick

888 Iron mortar and two pestles

889 Six hand hammers

890 Set of steel punches for file cutting

891 Fifteen tin plates and box

892 Three flasks, two cans, and sundry tinwork

893 Steel and iron scrap, in two boxes

894 Two breast drills, brace sockets, drills, and square

895 Set of large figure and letter punches

896 Ditto ditto ditto

897 Ditto ditto ditto

898 SMALL BAR LATHE, with 3 ft. bed, 3 in. head, and $6\frac{1}{2}$ in. face plate, with slide rest, two fixings for boring, six chucks hand rest, treadle, speed wheel, &c. complete

899 Useful tools to lathe

900 Useful ironwork to ditto

901 Six-inch circular saw, lead lap, and dividing plate

902 Hand turning tools

0 0 9

0 0 15

0 0 10

LOT

903 Iron vice, with 5 in. face
 904 Elm bench, 27 ft. long, 26 in. wide, and 2½ in.
 thick, with two drawers

905 DOUBLE HORIZONTAL PUNCHING PRESS,
 with rotary motion, fly wheel, &c.

906 SINGLE-SIDED PIERCING PRESS and box

907 SPELTER AND COPPER

908 Iron and steel wire

909 Old copper and brass gas fittings

910 Lot of tool steel and box

911 Lot of old copper

912 BRASS SCRAP

913 Old copper stove

914 Wire flattening machine

915 Iron stove and piping

916 Lot of catgut and rope

917 Eleven lathe change wheels

918 Lot of iron and steel

919 Steel mandrils and guide plates

920 Steel pins

921 Tier of three shelves and supports, 75 ft. run

922 STEEL DRILLS and hand turning tools

923 Five bells, and lot of brass and copper wire

924 Wire guard and sundries

925 Box containing sundry leather

926 India-rubber hose

927 Cast-steel

928 Ditto, common

929 Ditto, in box

C. qrs. lbs.

3 2 7
 0 3 26
 0 1 27

1 0 25
 1 2 22
 0 1 3

0 2 5
 0 1 3
 0 1 25
 0 3 14

0 1 14
 0 0 22

0 0 8

End of Fifth Day's Sale.

SIXTH DAY'S SALE,

WEDNESDAY, DECEMBER 20TH, 1854.

Lithographic Drawing, and Typographical Printing Department.

LOT

930 Imperial drawing frame, and one half-imperial
 ditto

931 Ditto ditto ditto

932 Ditto ditto ditto

933 Ditto ditto ditto

934 Ditto ditto ditto

935 Ditto ditto ditto

936 Ditto ditto ditto

937 Ditto ditto ditto

938 Ditto ditto ditto

939 Two half-imperial ditto

940 One imperial ditto, (not glazed)

941 The wood framing and fixtures for drawing frames,
 39 ft. 6 in. by 2 ft., and shelf under, 39 ft. 6 in.
 by 1 ft. 9 in.

942 One half-imperial drawing frame and rest, with
 shelf under, and iron bracket and supports

943 Ditto ditto ditto

944 Mahogany drawing board, and T square

945 Two deal ditto, and two T squares

946 Two ditto ditto

947 Two ditto ditto

948 Two ditto ditto

949 One double imperial ditto, one imperial ditto, and
 T square

950 Two T squares and one straight-edge

951 Two ditto ditto

LOT

quare rubbers, bast

- 952 Two T squares and one straight-edge
 953 Two ditto ditto
 954 Three T squares
 955 Nine strips of mahogany, for straight-edges
 956 One smaller ditto, seven set squares, and seven ellipsis
 957 Nine mahogany straight-edges
 958 Eleven box-wood ditto
 959 Two-foot rule, and three scales
 960 Mahogany folding tracing frame
 961 Ditto ditto

Type.

- 962 Fount of english Elzevir
 963 Ditto of long primer Elzevir
 964 Ditto of pica extended and pearl english
 965 Ditto of brevier extended and nonpareil extended
 966 Ditto of two-line pearl
 967 Ditto of two-line pearl condensed
 968 Ditto of Elzevir italic
 969 Ditto of long primer skeleton (in two cases)
 970 Ditto of nonpareil skeleton (in two cases)
 971 Long primer Elzevir (new)
 972 Small chest, containing four drawers of type
 973 FOOLSCAP ALBION PRESS, by *Hopkinson and Cope*, and stand
 974 Composing frame
 975 Composing stick
 976 Two sets of guides for lettering drawings
 977 Two chases, printers' furniture, &c.
 978 Ley brush and pick brush
 979 Apparatus for stamping letters
 980 Ditto ditto
 981 Ditto ditto
 982 Ink roller, five dabbers, &c.
 983 About 3 lbs. of printing ink, and lot of glue
 984 NUMBERING MACHINE, leads, &c., and stand
 985 Metal printers' furniture
 986 Sets of stencil plates, for lettering and numbering
 987 Inking stone, ley bottle, and dish
 988 Letter copying press

- LOT
 989 Ream and half blue ruled invoice paper
 990 Half ream specification paper
 991 Half ream copying paper
 992 Six quires letter paper, and half ream invoice ditto
 993 Half ream brief paper
 994 Roll of DRAWING CARTRIDGE PAPER, 45 in. wide, weight 125 lbs.
 995 Roll of drawing paper
 996 Quantity of paper, various descriptions, *in lots*
 997 Small portable press
 998 TRACING APPARATUS
 999 Large drawing slate
 1000 Ditto ditto
 1001 Plaster of Paris damping box, with cover
 1002 Two mahogany drawing boards, T square, and two set squares
 1003 Large deal ditto, and three straight-edges
 1004 Two mahogany drawing boards
 1005 Three deal ditto
 1006 Eight drawing frames, (not glazed)
 1007 Three stands for drawing boards, two tressels, and sundries
 1008 Bent plate glass and frame
 1009 Small deal table, on tressels
 1010 Large screen
 1011 Fifteen double-jointed GAS BRACKETS, with bats-wing burners, and 54 ft. of 1 in. iron piping
 1012 Fourteen argand gas burners and branches, and 52 ft. of 1 in. iron piping
 1013 Table, on tressels, 10 ft. 9 in. by 2 ft. 7 in., and three tressels
 1014 Ditto ditto, 5 ft. 6 in. by 2 ft. 8 in.
 1015 Two inkstands
 1016 Two ditto
 1017 Parallel rule, and two round ditto
 1018 Box for transfers, and portfolio of transfer paper
 1019 DEAL PARTITION, 16 ft. 6 in. by 10 ft. and $\frac{3}{4}$ in. thick, with door and fastenings
 1020 STEAM WARMING APPARATUS, containing 380 ft. of 1 in. iron piping, with three brass cocks, thirty-two elbows, and sundry sockets

quare rubbers, bast

- LOT
 1021 Fifteen green window blinds, with pulleys, brackets, and attachments
 1022 Deal door and fastenings, and drum-head over stairs
 1023 Five deal shelves, on iron brackets, against walls
 1024 Lot of plan rollers
 1025 Gas shades and fixings
 1026 Nest of fifteen drawers and frame
 1027 Deal table, 9 ft. by 2 ft. 6 in.
 1028 Strong ditto, 3 ft. 3 in. by 2 ft. 3 in. with two drawers
 1029 Ditto ditto, 21 ft. by 2 ft. 9 in. on four tressels
 1030 Eleven shelves in small room
 1031 Mahogany desk and small cupboard
 1032 Two pairs of scissors, and paper knife
 1033 Sundries
 1034 Wash-hand bowl, pail, and two brooms
 1035 Two pairs of steps
 1036 Chair and three stools
 1037 Two table lamps
 1038 Two ditto
 1039 Two vase lamps
 1040 Two glass globes
 1041 Seven tin canisters and sundries
 1042 Pair of carriage lamps and nine lamp candles
 1043 Sundry small oil lamps
 1044 Two signboards
 1045 Folding plate glass screen
 1046 Iron fender
 1047 Sundries
 1048 Ditto

Lithographic Printing Department.

- 1049 ROTARY LITHOGRAPHIC PRINTING MACHINE, by *Sharps, Roberts, and Co.*
 1050 IMPERIAL LITHOGRAPHIC PRINTING PRESS, by *D. and J. Greig, Edinburgh*
 1051 Ditto ditto, by same makers
 1052 Two cast-iron rollers for ditto
 1053 Four lithographic rollers
 1054 Five vulcanized india rubber printing rollers

- LOT
 1055 Cast-iron roller, with ears, for lithographic hand press
 1056 Two hand rollers, for lithographic printing, covered with leather
 1057 PAIR OF PRINTING ROLLS, 18 in. by 12 in. in cast-iron frame, with table and lever
 1058 Copying machine, with turned cylinder and frame
 1059 Ditto ditto
 1060 Extra wood frame for ditto
 1061 TWENTY-SIX IMPERIAL LITHOGRAPHIC STONES, *in lots*
 1062 Three half-imperial ditto
 1063 Wood trough, and two cast-iron plates for polishing stones
 1064 Sieve, riddle, bucket, sand box, and sundries
 1065 Nine box-wood scrapers
 1066 Muller, ink jars, &c.
 1067 Inking table, shelves, &c.
 1068 Three-quarters of a gallon of varnish
 1069 Two damping boards and book
 1070 Varnish pot and sundries
 1071 Three blocks for inking rollers
 1072 Space carriage, for lithographic press
 1073 Three iron turn-tables
 1074 Tier of seven shelves, 10 ft. by 10 ft.
 1075 Ditto ditto, 10 ft. by 4 ft. 6 in.
 1076 Ditto ditto, 8 ft. 3 in. by 10 ft.
 1077 Gas fittings
 1078 Sundries

Front Office.

- 1079 Quantity of letter and note paper, envelopes, and cards
 1080 Lot of bill heads
 1081 Ditto letter copying paper
 1082 Four account books
 1083 Three ditto, bound in calf
 1084 Large drawing board and tressels
 1085 Mahogany table, with two drawers
 1086 Stand table
 1087 Copying machine, by *J. Watt and Co.*

- LOT
 1088 Shelf and brackets, chair, coal box, and fire-irons
 1089 Four treble brass gas brackets
 1090 Deal cupboard, with sliding front, expensively fitted-up with mahogany divisions for letters
 1091 Bench round small back office, with supports
 1092 Sundries on bench
 1093 Oak cupboard, with folding doors
 1094 Soda water bottles and box

Private Office.

- 1095 Mahogany office table, with leather top, fitted with eighteen drawers
 1096 Chair, with cane seat, and stool
 1097 Oak elbow chair and cushion
 1098 Mahogany cupboard, expensively fitted up for invoices and letters
 1099 Four inkstands and letter balance
 1100 Letter machine and rack
 1101 Set of stained BOOK SHELVES, with sliding front
 1102 *J. Watt and Co.'s* letter copying press and desk
 1103 Ditto ditto, with extra leather case
 1104 Nest of pasteboard boxes
 1105 Table lamp and taper
 1106 Camphine table lamp
 1107 Sundries in cupboard
 1108 Fender, fire-irons, and coal hod
 1109 Ditto ditto
 1110 Shelf, with iron brackets
 1111 Oak panel, with portrait of *Milton* painted thereon
 1112 Glazed folding screen
 1113 Two china plates, for fire place
 1114 Two wire gauze blinds
 1115 Two ditto and two short Venetian ditto
 1116 Two plated lamps
 1117 Two oil reading lamps
 1118 Three oil and two candle lamps, and sundry glass shades
 1119 Sundry window blinds and rollers
 1120 Five bracket lamps
 1121 Sundries

End of Sale.