

SCIENCE, TRADE & INDUSTRY

603. [Minting] **The Art of Coining.** £60
Engrav'd for the Universal Magazine 1750 for J.Hinton at the King's Arms in St Paul's Church-Yard, London.
 Engraving. 105 x 205mm. Trimmed at bottom.
 Stock no: 6978

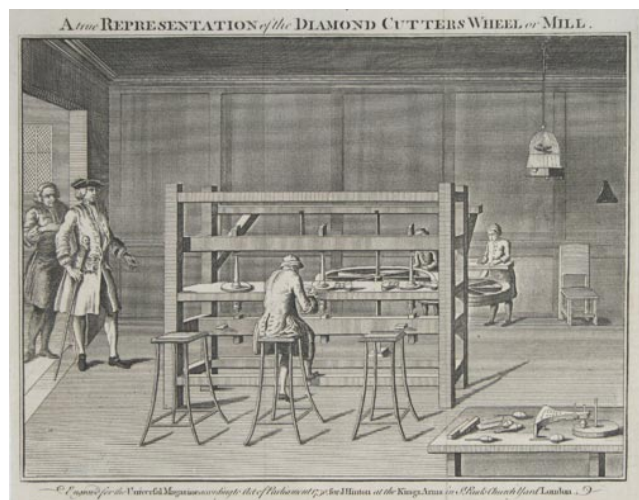
604. [Silk] **A Draught of the Silk-Windles or the method of Winding and Twisting of Silk for the Weavers.** £60
Printed for J.Hinton at the Kings Arms in St Paul's Church-Yard, London 1747. Engraving. 160x 250mm.
 Binding folds flattened.
 Stock no: 6980

605. [Agriculture] **A Draught and the Use of the several Sorts of Ploughs in England.** £70
Engrav'd for the Universal Magazine for J.Hinton at the King's Arms in St Paul's Church-Yard, London 1748.
 Engraving. 195 x 230mm. Binding folds flattened.
 Stock no: 6981

606. [Glass Making] **The Art of Grinding and Polishing of Plate Glass.** £70
Engrav'd for the Universal Magazine for J.Hinton at the King's Arms in St Paul's Church-Yard, London 1748.
 Engraving. 195 x 230mm. Binding folds flattened.
 Stock no: 6982

607. **The first Lecture in the Sciences of Geography and Astronomy.** £130
Engrav'd for the Universal Magazine for J.Hinton at the King's Arms in St Paul's Church-Yard, London 1748.
 Engraving. 195 x 230mm. Binding folds flattened.
 Stock no: 6983

608. **The Art of Hat-Making.** £65
Engrav'd for the Universal Magazine according to Act of Parliament 1750 for J.Hinton at the King's Arms in St Paul's Church-Yard, London. Engraving. 200 x 240mm.
 Binding folds flattened.
 Stock no: 6984



609. [Diamond Trade] **A true Representation of the Diamond Cutters Wheel or Mill.** £80
Engrav'd for the Universal Magazine according to Act of Parliament 1750, for J.Hinton at the King's Arms in St

Paul's Church-Yard, London. Engraving. 200 x 250mm.
 Binding folds flattened.
 Stock no: 6985

610. [Sugar] **A Representation of the Sugar-Cane and the Art of Making Sugar.** £140
Engrav'd for the Universal Magazine according to Act of Parliament 1749, for J.Hinton at the King's Arms in St Paul's Church-Yard, London. Engraving. 200 x 250mm.
 Binding folds flattened.
 Stock no: 6986

611. [Wool] **The Second Plate of the Woollen Manufacture exhibiting the Art of Spinning, Reeling, Warping, & Weaving Woollen Cloth.** £80
Engrav'd for the Universal Magazine according to Act of Parliament 1749, for J.Hinton at the King's Arms in St Paul's Church-Yard, London. Engraving. 200 x 250mm.
 Binding folds flattened.
 Stock no: 6987

612. [Brewing] **A Brewhouse.** £80
Design'd & Engrav'd for the Universal Magazine Jan.ry 1747/8 & for J.Hinton at the King's Arms in St Paul's Church-Yard, London. Engraving. 200 x 250mm. Binding folds flattened.
 Stock no: 6988

613. [Wine] **The Wine Press. A Cyder Mill. A Press to make Verjuice or to Squeeze Apples.** £70
Printed for J.Hinton at the King's Arms in St Paul's Church-Yard, 1747. Engraving. 190 x 225mm. Binding folds flattened, tear to platemark.
 Stock no: 6989

614. [Paper] **A Paper Mill, with the Men at Work.** £80
Engraved for the Universal Magazine, for J.Hinton at the King's Arms in Newgate Street. [n.d., c.1747.] Engraving. 180 x 280mm. Binding folds flattened.
 Stock no: 6990

615. [Glass Making] **A Glass House. The Glass-Makers at Work.** £80
 C.Grignion sculp. *Printed for J.Hinton at the King's Arms in Newgate Street. 1747.* Engraving. 180 x 280mm.
 Binding folds flattened.
 Stock no: 6991

616. **The Gold & Silver Refiners at Work.** £75
 Printed for J.Hinton at the King's Arms, St Pauls Churchyard. 1747. Engraving. 200 x 220mm. Binding folds flattened.
 Stock no: 6992

617. [Print trade] **The Printing Press. Composing Stick. The Letter Case for the Roman.** £90
 W.H. Toms sculp. *Printed for J.Hinton at the King's Arms, St Pauls Churchyard. 1747.* Engraving. 165 x 125mm.
 Stock no: 6993

618. [Glass Making] **The several Methods of blowing and casting Plate Glass, with the Men at Work.** £65
Printed for J.Hinton at the King's Arms in St Pauls Churchyard. London _ For the Universal Magazine, November 1747. Engraving. 205 x 240mm. Tear in bottom edge.
 Stock no: 6994

619. **The Tobacco-Manufactory in different Branches.** £180
Engrav'd for the Universal Magazine 1750. for J.Hinton at the King's Arms in St Pauls Churchyard. London. Engraving. 200 x 235mm. Narrow margins
 Stock no: 7135

620. **A true & exact Representation of the Art of Casting & Preparing Letters for Printing.** £180
Engrav'd for the Universal Magazine 1750. for J.Hinton at the King's Arms in St Pauls Churchyard. London. Engraving. 205 x 250mm.
 Stock no: 7136



621. **The Art of Etching and Engraving.** £130
Engrav'd for the Universal Magazine for J.Hinton at the King's Arms in St Paul's Church-Yard, London 1748. Engraving. 195 x 235mm. Binding folds flattened.
 Stock no: 6975

622. [Tickets] **University College Hospital, St Pancras. For the Relief of Poor Sick and Maimed Persons, and for the Delivery of Poor Married Lying-in Women... Festival in Aid of the Funds of the Hospital. Freemasons' Tavern, Great Queen Street. Tuesday, June 9th, 1840.** £240
 Cole, Sculp. 54 Theobald's Road, Holborn. Engraving. 360 x 260mm. Repaired tear. Fundraising ticket.
 Stock no: 7159

623. [Tickets] **Sir You are desired to meet the Parishrs. of St. Thomas Southwrk: On Monday the 28th of May 1792. at the Dog & Duck Tavern St. Georges Fields Mr. Saml. Bostock Mr. Thos. Bell Junr. Stewards Ticket 5s. which intitles [sic] you to Dinner & a Bottle of Wine By this Charity 327 Children have been Apprenticed. Dinner on Table 1/2 past 2 o'Clock.** £260
 Engraved invitation from two plates, sheet 326 x 200mm. Vertical centre fold, tipped into album page. Decorated

invitation to potential sponsors to a charity dinner to raise money for apprenticeships for local children in Southwark. The vignette featuring Christ converting heathens is engraved from a separate plate to the bulk of the letterpress. Very scarce. *Ex: Collection of The Hon. C. Lennox-Boyd.*
 Stock no: 7552

624. [Scotland] **Erected by the Lovers of Botany in Europe, in Memory of David Douglas...** £95
 W. & S. Gardner Lithog. Perth. Lithograph, printed area 195 x 245mm. The text from the memorial built in Hawaii at the spot Douglas was killed in 1834.
 Born in 1799, In the spring of 1820, Douglas obtained an appointment at the botanic garden at Glasgow University. A few months later a new professor of botany, William Jackson Hooker, was appointed, and he and Douglas began their long professional association. By 1821, Hooker and Douglas were in the field, with Douglas learning the fine art of pressing and drying plants. After two years together, Hooker recommended his young assistant to the Royal Horticultural Society of London. They were looking for a skilled gardener and collector to send to America. The Scottish botanist undertook a plant-hunting expedition in the Pacific Northwest in 1824 that ranks among the great botanical explorations of a heroic generation. Among the 240 plants he introduced to the British Isles is the Douglas-fir. He died when he fell into a pit trap and was trapped with a bull, which crushed him.
 Stock no: 7077

625. [Electrotype] **Original. Electrotype.** £160
 Drwan by H. Park. Engraved by T. Sherratt. *by E. Palmer, 103, Newgate Street [n.d., c.1850.]* Two vignettes, one conventionally engraved on steel, the other an almost identical copy. Sheet 275 x 220mm. Small, very tatty margins with small nicks and tears. Some staining. Sample sheet intended to demonstrate the effectiveness of electrotyping as a means of duplicating printed images. The process was invented in the mid-nineteenth century, around the date of this print, almost immediately after electrical batteries good enough to manage the process were invented. A duplicate printing plate is created through electrolysis from a wax or metal mold of the original printing plate. The impression taken is dusted with a very fine conductive powder (usually graphite), and then metal (usually copper) is electroplated onto the surface, forming a thin metal shell that can have a remarkably accurate image, as witnessed here. Electrical experiments are among those being performed by the industrious putti engaged in scientific and mechanical pursuits who feature in these images.
 Stock no: 7418

626. [Murphy, Patrick] **Murphy The Dick-tater, Alias the weather cock of the walk, A Statue to be erected near the change.** £280
 Standidge & Co. Litho, London [n.d., 1837]. Lithograph, sheet 361 x 251mm. A potato-headed figure with a globe for a body evidently prepared for all weathers. A satire on Patrick Murphy (1782 - 1847), weather prophet. His name was very prominent in 1838 as the author of 'The Weather Almanack (on Scientific Principles, showing the State of the Weather for every Day of the Year 1838). By P. Murphy, Esq., M.N.S'. Under the date of 20 January he

said 'Fair, prob. lowest deg. of winter temp.' By a happy chance this proved to be a remarkably cold day, the thermometer at sunrise standing at four degrees below zero. This circumstance raised his celebrity to a great height as a weather prophet, and the shop of his publishers, Messrs. Whittaker & Co., was besieged with customers, while the winter of 1837-8 became known as Murphy's winter. The 1838 almanac ran to forty-five editions, and the prophet made 3,000l., which he almost immediately lost in an unsuccessful speculation in corn. There was nothing very remarkable about the prediction, as the coldest day generally falls about 20 Jan. In the predictions throughout the year the forecasts were partly right on 168 days and decidedly wrong on 197 days. A popular song of the day, a parody on 'Lesbia has a beaming eye,' commenced 'Murphy has a weather eye.' The almanack was afterwards occasionally published, but its sale very much fell off after the 'nine days' wonder' was past, and ultimately it had a very limited circulation. Murphy, however, persevered in his pursuit, and was about bringing out an almanac for 1848, when he died at his lodgings, 108 Dorset Street, St. Bride's, London, in 1847, aged 65. *Ex: Collection of The Hon. C. Lennox-Boyd.*
Stock no: 7559



627. [Science] [Louis XIV visiting the Académie des Sciences.] £530

S. Le Clerc in. et f. [scratched letters.] [n.d., originally c.1671.] Engraving, 430 x 327mm. Louis XIV (1638 – 1715), King of France, founded the French Academy of Sciences in 1666 at the suggestion of Jean-Baptiste Colbert, his minister of finance, to encourage and protect the spirit of French scientific research. It was at the forefront of scientific developments in Europe in the 17th and 18th centuries. This engraving records the King's visit to the Academy, then based in the Library of the palace of Versailles, in 1671. The figure acting as guide for the Royal visit (to Louis's left and showing him architectural plans) is probably Colbert.

The Royal party is surrounded by objects of scientific inquiry, including architectural models, skeletons, and an orrery in the foreground. An observatory under construction can be seen through one of the windows in the background.

By Sebastien Le Clerc (1637 - 1714), an 18th century re-issue on wove paper. *Not in Jombert?*

Stock no: 7713

628. Mr. T. Telford's, Design for the Suspension Bridge across the River Avon, From St. Vincent's Rocks to Leigh Down. [Principal dimensions below image.] £160

Dean & Munday's Lithoy. Threadneedle St. *Pubd. by Wright & Bagnall Bristol [n.d., c.1830].* Lithograph, sheet 225 x 285mm. Foxing outside image. Thomas Telford (1757 - 1834) was born in Westerkirk, Scotland. He was a stonemason, architect and civil engineer and a noted road, bridge and canal builder. This is a representation of his design, never realised, for the Clifton Suspension Bridge. The idea of building a bridge across the Avon Gorge originated in 1753, with a bequest in the will of Bristolian merchant William Vick, who left £1,000 invested with instructions that when the interest had accumulated to £10,000, it should be used for the purpose of building a stone bridge between Clifton Down (which was outside the City of Bristol until the 1830s) and Leigh Woods (then in Somerset). By 1829, Vick's bequest had reached £8,000, but it was estimated that a stone bridge would cost over ten times that amount. An Act of Parliament was passed to allow a wrought-iron suspension bridge to be built instead, and tolls levied to recoup the cost. A competition was held to find a design for the bridge; the judge, Telford, rejected all designs, and tried to insist on this design of his own, a suspension bridge supported on tall Gothic towers. Telford claimed that no suspension bridge could exceed the 600 feet (183 m) span of his own Menai Suspension Bridge. A second competition, held with new judges, was won by Isambard Kingdom Brunel's design on 16 March 1831, for a suspension bridge with fashionably Egyptian-influenced towers.

Stock no: 7517

629. [A man performs rudimentary surgery on another man's ankle.] £380

[n.d., c.1700.] Mezzotint, 210 x 270mm. Trimmed to plate. An unfortunate man, already apparently with his maimed arm in a sling, endures an incision into his lower leg while clenching something tightly in his right hand. Dutch school. Laid paper watermarked 'H V'.

Stock no: 7413

630. [Telegraph] Electric Telegraph on the Yarmouth And Norwich Railway, "A Single Way" Twenty Miles in Length. Open 1st. May. 1844. £260

Printed from Zinc by J. Grieve 33 Nicholas Lane [n.d., c.1845]. Lithograph, sheet 343 x 255mm. Light foxing. Possibly printed for The Civil Engineer & Architect's Journal

January 1848. The Electric Telegraph Company was formed in 1845 as the first joint-stock concern in the world to operate a network of electric communications. It had a short life of just over twenty years. In that time it united electrically not just the entire country but, with its corporate allies, reached the extremes of empire. Prior to 1845 less than 45 miles of electric telegraph had been constructed, in 1845, 500 miles were laid; in 1846, 600 miles and in 1847, 1,000 miles.

A very scarce print.

Stock no: 7536

- 631. Gazette Extraordinary!!! Joint Stocks, Railway, Steam, Mining, And Aerial Arcana. 1837.** £220

Standidge & Lemon, Litho, 77 Cornhill. *Sold, by J. Knight, Sweetings Alley, Cornhill.* Lithograph, sheet 315 x 380mm. Reinforced centre fold. A satire on the multifarious innovations and inventions taking place around the year 1837. This must have seemed an age of almost limitless technological possibilities. In 1836 Charles Green made a record balloon journey of about five hundred miles from Vauxhall Gardens in London to Weilburg in Germany. Hence the reference to a "Steam Balloon to the Comet and back" on the sign held by a boy in the foreground - Halley's Comet was observed that year. Image lettered with speech bubbles. Stock no: 7585

- 632. [Painting] The Art of Limning.** £60
Engrav'd for the Universal Magazine for J.Hinton at the King's Arms in St Paul's Church-Yard, London 1748.
 Engraving. 195 x 230mm. Binding folds flattened. The art of painting or drawing, derived from the Middle English word 'limnen', to illuminate (a manuscript). Stock no: 6979

- 633. Blandford Agricultural Society, Established 1839, for the Encouragement of Industrious Labourers and Servants. Certificate of Merit.** £75
 Designed and Drawn by I.J.Wood. Engraved by Shaw & Sons, Fetter Lane London. [1865.] Wood engraved certificate on card with mss text. Sheet 285 x 230mm. Some toning. For 14 years work the society awarded John Woolridge a coat. Stock no: 7156



- 634. [Brewing] A View of Mess.rs Barclay & Perkins's Brewery.** £650
 Painted & Engraved by Wolstenholme. *London. Published Aug. 20th 1840, by Dean Wolstenholme, 22 Chads Row, Gray's Inn Road.* Aquatint, printed in blue and brown. Sheet 445 x 595mm. Trimmed within plate, some wear. The Anchor Brewery from Park Street, Southwark, with drays, sacks, etc. In 1786 James Watt built engine to pump water and grind barley for the brewery that stayed in service for 98 years. After the brewery was rebuilt after a fire in 1832 it became a tourist attraction. One visitor was the Austrian general Julius von Haymau, whose actions against the Italian 'Risorgimento' left him with an evil reputation, causing him to be beaten up by the brewery's draymen. When Giuseppe Garibaldi visited England in

1864 he insisted on visiting the brewery to thank "the men who flogged Haynau". Stock no: 7306



- 635. [Fishing] The Greenland Whale Fishery.** £750
 V. dr Maulen delin. T. Willson fecit. [n.d., c.1700.] Mezzotint, 250 x 350mm. Foxed. A very fine impression of this rare mezzotint. *Ex: Collection of The Hon. C. Lennox-Boyd. NMM:PAH3383* Stock no: 7554

- 636. [Whales] The Longboats making towards a Whale, & the Harponiers going to cast their Lances at him.** £90
 [n.d., c.1760.] Etching, 180 x 275mm. Age-toning to paper from exposure to sun. Worm holes into plate at left, image unaffected. Two vertical folds as normal. A whaling fleet in the North Atlantic, from an eighteenth century book. 'Pro Patria' watermarked paper. Stock no: 7601

- 637. [Whales] The Whale diving to the bottom after he is struck with the Harpone Iron, and the Harponiers standing in readiness to wound him a fresh with Spears, when he rises again.** £90
 [n.d., c.1760.] Etching, 175 x 267mm. Foxing. Vertical creases through image. A whaling fleet in the North Atlantic, on watermarked paper. Stock no: 7603

- 638. Klein-Madgen.** £80
Kludertracht in Hamburg [n.d., c.1820]. Etching with coloured aquatint, 255 x 178mm. A German lady shows off an impressive tea service. Fine colour. Inscribed '1.' upper right corner. Stock no: 7774

- 639. [Four women weavers at their looms.]** £240
 Erlini (?) inv.et inc. [faint mss. in ink lower right.] [n.d., c.1820.] Etching highlighted with white crayon on coarse album paper, sheet 240 x 408mm. Continental etching. Stock no: 7779

- 640. Wakefield Industrial Exhibition 1865.** £160
 William Watson, Architect, Wakefield. Alfred Green, Lithographer Dewsbury. [n.d., c.1865.] Lithograph in two tints, sheet 254 x 394mm. Foxing and staining. Very scarce locally-published view of the ambitious temporary wooden Crystal Palace-style building which housed the Wakefield Industrial and Fine Art Exhibition. Stock no: 7543