

3407. And John Steel, of Glasgow, in the county of Lanark, North Britain, Merchant, has given the like notice in respect of the invention of "an improved personal indicator for offices."
3413. And Thomas Ryder and George Ryder, of the firm of Thomas Ryder, Son, and Company, of the Turner Bridge Ironworks, Tonge, near Bolton, in the county of Lancaster, Roller and Tool Makers, have given the like notice in respect of the invention of "improvements in the construction of machinery for forging."
3415. And George Tomlinson Bousfield, of Sutton, in the county of Surrey, has given the like notice in respect of the invention of "improvements in machinery for cutting and polishing glass, gems, marble, stones, and other similar hard substances."—A communication to him from abroad by Charles William Lewis, of New York, in the United States of America.
As set forth in their respective petitions, all recorded in the said office on the 15th day of November, 1872.
3420. And John Zuill Kay, of the firm of Thomas Edington and Sons, of the Pœnix Iron Works, Glasgow, in the county of Lanark, North Britain, has given the like notice in respect of the invention of "improvements in and connected with pipe joints."
3426. And Isaac Gregg, of the city and county of Philadelphia, in the State of Pennsylvania, in the United States of America, has given the like notice in respect of the invention of "improvements in the manufacture of bricks and in machinery therefor."
3429. And David Cockburn, of Glasgow, in the county of Lanark, North Britain, Boiler Maker, has given the like notice in respect of the invention of "improvements in the construction of barrows."—A communication to him from abroad by William Barr, of the city of Jersey, in the State of New Jersey, United States of America.
As set forth in their respective petitions, all recorded in the said office on the 16th day of November, 1872.
3440. And Frederick John Cheesbrough, of 15, Water-street, Liverpool, in the county of Lancaster, has given the like notice in respect of the invention of "an improved skate fastening."—A communication to him from abroad by Edward Lawson Fenerty, of Halifax, Nova Scotia, in the Dominion of Canada.
As set forth in his petition, recorded in the said office on the 18th day of November, 1872.
3460. And Alfred Morgan, of No. 258, South Lambeth-road, in the county of Surrey, Merchant, has given the like notice in respect of the invention of "an improved method for purifying and amalgamating gum resins, including Kauri gum."
3461. And Alexander Fraser, of Edinburgh, in the county of Mid-Lothian, North Britain, Printer, has given the like notice in respect of the invention of "improvements in apparatus for composing types."
As set forth in their respective petitions, both recorded in the said office on the 20th day of November, 1872.
3499. And John Holmes Bass, of No. 6, Featherstone-street, in the parish of St. Luke, in the county of Middlesex, has given the like notice in respect of the invention of "improvements in shields or collars for preventing the escape of oil or other lubricating fluid from railway axle boxes."
As set forth in his petition, recorded in the said office on the 22nd day of November, 1872.
3519. And James Smiles, of Birmingham, in the county of Warwick, Gunmaker, has given the like notice in respect of the invention of "improvements in breech loading small arms."
As set forth in his petition, recorded in the said office on the 23rd day of November, 1872.
3537. And John Cameron McDonald, of Waddon, in the county of Surrey, and Joseph Calverley, of the Albany-road, Camberwell, in the same county, have given the like notice in respect of the invention of "improvements in printing machinery."
As set forth in their petition, recorded in the said office on the 25th day of November, 1872.
3556. And John Bates, of No. 72, Portland-street, James Willis Dixon, Junior, of Oakfield House, and William Buttery, of No. 60, Durham-place, all of Sheffield, in the county of York, have given the like notice in respect of the invention of "improvements in apparatus for extracting caps from the base of breech loading cartridge cases."
As set forth in their petition, recorded in the said office on the 26th day of November, 1872.
3561. And William Smith, of the Sun Foundry, Heywood, in the county of Lancaster, Machine Maker, has given the like notice in respect of the invention of "certain improvements in looms for weaving."
As set forth in his petition, recorded in the said office on the 27th day of November, 1872.
3692. And Michael Henry, of Fleet-chambers, 68, Fleet-street, in the city of London, Patent Agent, has given the like notice in respect of the invention of "improvements in preserving and protecting ships' sheathing and other metal surfaces exposed to the action of sea water."—A communication to him from abroad by Michel Leon Ehrmann, of 17, Boulevard Saint Martin, Paris, France.
3698. And Alfred Vincent Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Mechanical Draughtsman, has given the like notice in respect of the invention of "improvements in the construction of cutting pliers."—A communication to him from abroad by Nathan Thompson, of Brooklyn, in the State of New York, United States of America.
As set forth in their respective petitions, both recorded in the said office on the 6th day of December, 1872.
3724. And James Tangye, of the firm of Tangye Brothers, of Birmingham, in the county of Warwick, Manufacturers, has given the like notice in respect of the invention of "new or improved expansion gear for direct acting steam pumping engines."
As set forth in his petition, recorded in the said office on the 7th day of December, 1872.
38. And Gustav Bischof, of the Andersonian University, in the city of Glasgow, Professor of Technical Chemistry, has given the like notice in respect of the invention of "improvements in the purification of water, and in the means and apparatus employed for that purpose."
As set forth in his petition, recorded in the said office on the 3rd day of January, 1873.
161. And Thomas Fuller, of Longcrofts, New Shoreham, in the county of Sussex, Doctor of Medicine, has given the like notice in respect of the invention of "certain new or improved apparatus to be used in fitting tops to billiard cues."
As set forth in his petition, recorded in the said office on the 15th day of January, 1873.