

4723. To John George Owen, of Upper Swainswick, near Bath, in the county of Somerset, Gentleman, for the invention of "an improvement or improvements in umbrellas and parasols."
4725. To Henry Staples, of No. 2, Bucklandvillas, Belsize Park, in the county of Middlesex, Gentleman, and Thomas Sipling Wilson, of No. 52, Sparsholt-road, Crouch Hill, in the said county, Engineer, for the invention of "improvements in filter-presses."
4727. To Alexander Melville Clark, of 53, Chancery-lane, in the county of Middlesex, Patent Agent, for the invention of "improved means of protecting the hulls of vessels from torpedoes, applicable also for increasing the buoyancy and carrying capacity of vessels."—A communication to him from abroad by John Harmanns Fisher, of the city and county of Baltimore, State of Maryland, United States of America.
4729. To Robert Grime, of Preston, in the county of Lancaster, Cotton Spinner, for the invention of "improvements in machinery or apparatus for spinning and doubling cotton, wool, and other fibrous materials."
4731. And to Joseph Benjamin Watts, of Weymouth, in the county of Dorset, for the invention of "improved apparatus for the prevention of window shaking."
- On their several petitions, recorded in the Office of the Commissioners on the 12th day of December, 1877.

PATENTS WHICH HAVE BECOME VOID.

A LIST of the Letters Patent for Inventions which have become void by reason of the non-payment of the additional Stamp Duty of £50, before the expiration of the third year from the date of such Patents, pursuant to the Act of the 16th Vict., c. 5, sec. 2, for the week ending the 15th day of December, 1877.

4225. Howard Pratt Garland and Andrew Jackson Gove, of San Francisco, State of California, one of the United States of America, Engineers, for an invention of "improvements on sewing machines for stitching sacks, bags, carpets, and for other like purposes."—Dated 9th December, 1874.
4226. Andrew Jackson Gove, of San Francisco, in the county of San Francisco, and State of California, one of the United States of America, Engineer, for an invention of "improvements in sewing machines for hemming sacks or bags and other fabrics."—Dated 9th December, 1874.
4230. William Robert Lake, of the firm of Haseltine, Lake, & Co., Patent Agents, Southampton-buildings, London, for an invention of "an improved method of and apparatus for protecting buildings against fire and for ventilating them and supplying them with steam for various purposes, which invention is also applicable to the protection and ventilation of ships."—From abroad by John A. Coleman, of Providence, Rhode Island, United States of America.—Dated 9th December, 1874.
4231. George Haseltine, of the International Patent Office, Southampton-buildings, London, Doctor of Laws, for an invention of "improvements in governors for steam engines."—The said invention has been communicated to him from abroad by Junius Judson, Manufacturer, and William Archibald Cogswell, Machinist, both of Rochester, New York, United States of America.—Dated 9th December, 1874.
4232. Alphonse Inghels, of Termonde, in the Kingdom of Belgium, Major of Artillery, for an invention of "a new system of shelter for preserving people from the sun's rays."—Dated 9th December, 1874.
4233. George Haseltine, of the "International Patent Office," Southampton-buildings, London, Doctor of Laws, for an invention of "improvements in machinery for casting, pressing, and condensing metal."—The said invention has been communicated to him from abroad by John Blake Tarr, of Fairhaven, Massachusetts, United States of America.—Dated 9th December, 1874.
4234. Edward Foster, of the firm of Edward Foster and Son, of Halifax, in the county of York, Brassfounders, for an invention of "improvements in taps and valves."—Dated 9th December, 1874.
4235. John Prestwich, of Farnworth, in the county of Lancaster, and Joseph Pimbley, of the same place, for an invention of "improved economizers for heating the feed water of steam boilers."—Dated 9th December, 1874.
4238. Philip Daniel Roberts, of the Parade, Sherborne, in the county of Dorset, for an invention of "improvements in studs and other similar fastenings."—Dated 9th December, 1874.
4243. Edmond Philippe and Honoré Pinet, of Rue des Deux Gares, No. 14, Paris, Engineers, for an invention of "improvements in the manufacture of casks, and in machinery employed therein."—Dated 9th December, 1874.
4244. Alfred Vincent Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Mechanical Draughtsman, for an invention of "improvements in the manufacture of metal tubing and hollow shafting and axles."—From abroad by George Jones Brooks, of Brattleborough, in the State of Vermont, United States of America.—Dated 9th December, 1874.
4247. James Conyers Morrell, Civil Engineer, of Leyland, near Preston, Lancashire, for an invention of "improvements in the construction of sewer pipes, drain pipes, and modes of treating sewage."—Dated 10th December, 1874.
4249. Richard William Mudford Pyne, of 22, Great Winchester-street, city of London, Engineer, for an invention of "improvements in the method of constructing and forming umbrellas and parasols."—Dated 10th December, 1874.
4252. Robert Hedley, of Blackwall, in the county of Middlesex, Engineer and Steam Launch Builder, for an invention of "improved apparatus with hydraulic duplex action for raising and lowering boats to and from ships, chiefly intended for raising and lowering steam launches."—Dated 10th December, 1874.
4254. Edward Walker, of No. 11, Leadenhall-street, in the city of London, for an invention of "improved method of arranging or fitting tubes in boilers, and for protecting the tube ends from the direct action of heat."—From abroad by H. Pauksch, of Landsberg, in the Kingdom of Prussia.—Dated 10th December, 1874.
4258. Henry Bessemer, of Queen-street-place, Cannon-street, in the city of London, for an invention of "improvements in the construction of saloons, cabins, floors, and platforms having axial motion on board ship, and in apparatus employed for regulating and controlling their motions."—Dated 10th December, 1874.
4260. Absalom Evans, of Wolverhampton, in the county of Stafford, Foreman of Tin Plate Workers, for an invention of "improvements in and applicable to trunks and like receptacles