

other steam engines required for burning straw and other light vegetable matters." On their several petitions, recorded in the Office of the Commissioners on the 4th day of February, 1874.

461. To Frederic Pelham Warren, of East Court, Cosham, in the county of Hants, Captain in the Royal Navy, for the invention of "an improved pot for flowers and plants."

463. To Killingworth William Hedges, of Wootton Lodge, Streatham Hill, in the county of Surrey, Civil Engineer, for the invention of "improvements in combined steam boilers and steam engines."

465. To James Webster, of Birmingham, in the county of Warwick, Engineer, for the invention of "improvements in apparatus to be employed in the manufacture of steel."

467. To Robert May Caffall, of 75, Fleet-street, in the city London, and Alfred Thomas, of Alton, in the county of Hants, Gas Engineer, for the invention of "improved means of and appliances for effecting the automatic sealing of hydraulic gas mains, and for removing the pressure of gas on retorts at pleasure."

469. To Peter Coats, junior, of Paisley, in the county of Renfrew, North Britain, Thread Manufacturer, for the invention of "improvements in machinery for rewinding yarn or thread."

473. To William Robert Lake, of the firm of Haseltine, Lake, & Co., Patent Agents, Southampton-building, London, for the invention of "improvements in combined life preserving dresses and air-buoys."—A communication to him from abroad by John Thomas Poole, of Canterbury, New Brunswick, Canada, School Teacher.

477. To John Hooker, of 1, Essex-street, Saint Peter's-street, Islington, in the county of Middlesex, for the invention of "improvements in type setting and distributing machines."

479. And to James Backhouse, of Armley, near Leeds, in the county of York, for the invention of "improvements in steam cultivating implements."

On their several petitions, recorded in the Office of the Commissioners on the 5th day of February, 1874.

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 Vic., c. 5, sec. 2, for the week ending the 7th day of February, 1874.

266. John Sampson Starnes, of No. 13, Broad-street, Radcliff, in the county of Middlesex, and of No. 4, New London-street, in the city of London, Engineer, for the invention of "a new or improved signalling apparatus or fog horn."—Dated 1st February, 1871.

268. Frederick Osbourn, Cutter in the employment of Messrs. B. Hyam and Son, of Cannon-street, in the city of London, Wholesale Clothiers and Manufacturers, for an invention of "improvements in waistcoats."—Dated 1st February, 1871.

269. Thomas Constantine Fawcett and Walter Mathers Shackleton, of Saint Andrew's Foundry, Leeds, in the county of York, Engineers' Tool

and Machine Makers, for an invention of "improvements in machinery for moulding and pressing clay or other suitable materials to form bricks, tiles, and similar articles."—Dated 1st February, 1871.

275. Henry William Dyer, of the city of Bristol, Locomotive Engineer, for an invention of "improved apparatus to be used in fixing chairs on railway or tramway sleepers."—Dated 1st February, 1871.

279. Alexander Annandale the younger, of Dunbar, in the county of Haddington, North Britain, for an invention of "improvements in treating wood and other vegetable or fibrous substances, in order to reduce the same to pulp."—Dated 2nd February, 1871.

281. William Randall, of Fenny-Stratford, in the county of Bucks, for an invention of "improvements in the construction of drills for agricultural purposes."—Dated 2nd February, 1871.

283. William Henry Crispin, of Stratford, in the county of Essex, for an invention of "improvements in machinery for washing and dressing the debris from lead mines."—Dated 2nd February, 1871.

284. Patrick Henry Sharkey, of Liverpool, in the county of Lancaster, Provision Dealer, for an invention of "improvements in the suspenders of agate scale beams, and in tools or appliances employed in the manufacture of the same."—Dated 2nd February, 1871.

288. Daniel Sharrocks, of No. 11, Ruthin-street, Salford, in the county of Lancaster, Packer, for an invention of "improvements in rivets."—Dated 2nd February, 1871.

289. Alfred Vincent Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Mechanical Draughtsman, for an invention of "improved machinery for manufacturing lozenges."—Communicated to him from abroad by William Hessin, of Toronto, Canada.—Dated 2nd February, 1871.

294. William Robert Lake, of the firm of Haseltine, Lake, & Co., Southampton-buildings, London, Patent Agents, for an invention of "improvements in electro-motors, chiefly designed for railway carriages."—The said invention has been communicated to him from abroad by Solomon Jones, of New Orleans, Louisiana, William Hugh Smith, of Randolph, Alabama, and James Harkins Weaver, of New Orleans, Louisiana, all in the United States of America.—Dated 2nd February, 1871.

295. Thomas Turner, of Stafford, in the county of Stafford, Wholesale Shoe Manufacturer, for an invention of "improvements in machine sewn and riveted boots and shoes."—Dated 3rd February, 1871.

296. Henry Starr, of 22, Moorgate-street, in the city of London, for an invention of "an improved buoyant mattress designed to serve both as a bed and life preserver."—Communicated to him from abroad by Jacob W. Wotton, of the city and State of New York, United States of America.—Dated 3rd February, 1871.

297. Procter Sherwin, of No. 5, the Parade, Exmouth, in the county of Devon, Civil Engineer, and John Maule Sutton, of Dartmouth, in the said county, Doctor of Medicine and Member of the Royal College of Physicians of England, for an invention of "improvements in the treatment of sewage matters and in apparatus employed therein."—Dated 3rd February, 1871.