

1524. And John Cresswell Brentnall, of Manchester, and Robert Edge, of Halliwell, near Bolton, in the county of Lancaster, have given the like notice in respect of the invention of "improvements in machinery for preparing, spinning, and doubling cotton and other fibrous substances."

1527. And Alfred Smith, of Hackney-road, in the county of Middlesex, Engineer, has given the like notice in respect of the invention of "improvements in machinery for producing frills and gathered work."

1528. And George Beard, of Birmingham, in the county of Warwick, Manufacturer, has given the like notice in respect of the invention of "improvements in the construction of punches used for punching the eyes of needles."

1531. And Thomas Worsdell, of Birmingham, in the county of Warwick, Engineer, has given the like notice in respect of the invention of "an improved pulley or sheave block."

As set forth in their respective petitions, all recorded in the said office on the 20th day of June, 1864.

1535. And John Thompson, of the city of Manchester, Machinist, has given the like notice in respect of the invention of "improvements in machinery for cutting, shaping, and grinding iron and other metals."

1538. And William John Pughsley, of the parish of Christchurch, county of Monmouth, Manufacturing Chemist, has given the like notice in respect of the invention of "improvements in obtaining sulphuric acid from the refuse 'pickle' used in tin-plate works, and also from sulphate of iron or 'green copperas.'"

1546. And Alfred Smith, of Hackney-road, in the county of Middlesex, Engineer, has given the like notice in respect of the invention of "improvements in breaks or apparatus for checking, stopping, and regulating the speed of sewing machines and other revolving machinery."

1547. And Thomas James Denne, of Mile End, in the county of Middlesex, Manufacturer, has given the like notice in respect of the invention of "improvements in the manufacture of card and mill board boxes."

1548. And John Henry Johnson, of 47, Lincoln's-inn-fields, in the county of Middlesex, Gentleman, has given the like notice in respect of the invention of "improvements in raising water, and in the machinery or apparatus employed therein."—A communication to him from abroad by Benjamin Barnes, of Melbourne, in the Colony of Australia.

1550. And John Bottomley, of Huddersfield, in the county of York, Carriage Builder, has given the like notice in respect of the invention of "improvements in carriages."

As set forth in their respective petitions, all recorded in the said office on the 21st day of June, 1864.

1555. And William Smith, Engineer, of 17, Wells-street, Oxford-street, in the county of Middlesex, has given the like notice in respect of the invention of "improvements in printing machines, and in apparatus connected therewith, parts of which improvements are applicable to machines for other purposes."

1558. And Charles Henry Pugh, of Uttoxeter, in the county of Stafford, Ironmonger's Assistant, has given the like notice in respect of the invention of "improvements in apparatus used in the manufacture of cheese."

1559. And Thomas Prosper Saville, of Birmingham, in the county of Warwick, Gun Maker, has given the like notice in respect of the invention of "an improvement or improvements in breech loading fire arms."

1561. And John Jones, of the New North-road, in the county of Middlesex, Gas Meter Maker, has given the like notice in respect of the invention of "improvements in dry gas meters, parts of which are applicable to apparatus for regulating the flow of air."

As set forth in their respective petitions, all recorded in the said office on the 22nd day of June, 1864.

1572. And James Smith, of Bristol, Hair Seating Manufacturer, and Merchant, has given the like notice in respect of the invention of "improvements in the manufacture of ventilating hats or coverings for the head."

1585. And Edward Rush Turner and Frederick Turner, of Ipswich, in the county of Suffolk, have given the like notice in respect of the invention of "improvements in traction, locomotive, agricultural, and other portable engines."

As set forth in their respective petitions, both recorded in the said office on the 23rd day of June, 1864.

1589. And William Augustus Guy, of 26, Gordon-street, Gordon-square, London, Edmund Edwards, of 1, York-buildings, Adelphi, London, and Richard Waugh MacArthur, of 56, York-terrace, Regent's Park, London, have given the like notice in respect of the invention of "improvements in machinery or apparatus for the manufacture of bread."

1589. And Richard Waugh MacArthur, of 56 York-terrace, Regent's Park, London, William Augustus Guy, of 26, Gordon-street, Gordon-square, London, and Edmund Edwards, of 1, York-buildings, Adelphi, London, have given the like notice in respect of the invention of "improvements in the manufacture of dough and bread."

1595. And the Honourable John Hay, commonly called Lord John Hay, of St. James'-place, Middlesex, a Post Captain in Her Majesty's Navy, has given the like notice in respect of the invention of "apparatus or mechanism for varying at will the forms and relative positions of letters or other marks produced by stamping."

As set forth in their respective petitions, all recorded in the said office on the 24th day of June, 1864.

1598. And William Edward Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Civil Engineer, has given the like notice in respect of the invention of "improved machinery or apparatus to facilitate the loading of ships or vessels with coal, minerals, or other substances, in bulk."—A communication to him from abroad by Edouard Dineo, of Jemmapes, in the Kingdom of Belgium.

As set forth in his petition recorded in the said office on the 25th day of June, 1864.

1609. And William Frederick Thomas, of Newgate-street, in the city of London, has given the like notice in respect of the invention of "improvements in sewing machines."

As set forth in his petition, recorded in the said office on the 27th day of June, 1864.