

3409. And Algernon Sydney Ayre, of Kingston-upon-Hull, Merchant, has given the like notice in respect of the invention of "improvements in means or apparatus for the compression of oil seeds to extract oil therefrom and produce cakes, which improvements are also applicable in the compression of other seeds or matters for the production of cakes, blocks, or other forms."

3411. And John Smith Raworth, of Manchester, in the county of Lancaster, Engineer, has given the like notice in respect of the invention of "improvements in machines for doubling and winding cotton, silk, and other yarns."

As set forth in their respective petitions, all recorded in the said office on the 21st day of October, 1873.

3422. And Robert William Morris, of Barrow-in-Furness, in the county of Lancaster, has given the like notice in respect of the invention of "improvements in revolving shutters."

3427. And William Robertson and James Guthrie Orchar, of Dundee, in the county of Forfar, North Britain, and Matthew Andrew Muir and James McIlwham, of Glasgow, in the county of Lanark, North Britain, have given the like notice in respect of the invention of "improvements in machinery for winding yarn or thread and in part applicable to other machinery requiring a varying motion."

3430. And Sydney Wilkinson, of Sheffield, in the county of York, has given the like notice in respect of the invention of "an improved arrangement for relieving the pressure in gas retorts."

As set forth in their respective petitions, all recorded in the said office, on the 22nd day of October, 1873.

3439. And Francis William Brown, of the city of Cincinnati, in the county of Hamilton and State of Ohio, in the United States of America, has given the like notice in respect of the invention of "improvements in tuckers for sewing machines."

3443. And James Bell, of Strathmiglo, in the county of Fife, North Britain, Engineer, has given the like notice in respect of the invention of "improvements in machinery or apparatus for wringing and mangling."

As set forth in their respective petitions, both recorded in the said office on the 23rd day of October, 1873.

3461. 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 "improvements in the construction of electromagnets."—A communication to him from abroad by José Santiago Camacho, of the city of Havana, in the Island of Cuba.

As set forth in his petition, recorded in the said office on the 24th day of October, 1873.

3465. And James McGlashan, of Dundee, in the county of Forfar, North Britain, has given the like notice in respect of the invention of "improvements in softening jute and other fibrous substances, and in the machinery or apparatus employed therefor."

As set forth in his petition, recorded in the said office on the 25th day of October, 1873.

3478. And Robert James Worth, Engineer, of Stockton-on-Tees, in the county of Durham, has given the like notice in respect of the invention of "improvements in steam pumps."

As set forth in his petition, recorded in the said office on the 27th day of October, 1873.

3500. And William Henry Wilkinson, of the Pelican Works, Great Hampton-street, Birmingham, Electro Plate Manufacturer, has given the like notice in respect of the invention of "improvements in nails and spikes."—A communication to him from abroad by Barak T. Nichols, of Roselle, in the county of Union and State of New Jersey, one of the United States of America.

3503. And Edmond Sèches, of 2, Rue Sainte Appoline, Paris (France), has given the like notice in respect of the invention of "improvements in the construction of harmoniums or similar musical instruments with loose reeds, whereby new sounds or tones are produced."

3505. And Henry Young Darracott Scott, of Ealing, in the county of Middlesex, Major General, C.B., has given the like notice in respect of the invention of "improvements in the process of and kilns for burning lime, bricks, tiles, and other articles, and for the calcination of minerals."

As set forth in their respective petitions, all recorded in the said office on the 28th day of October, 1874.

3680. And Alfred Weed, of 38, Southampton-buildings, Chancery-lane, London, Engineer, has given the like notice in respect of the invention of "improvements in machines for cutting files."

As set forth in his petition, recorded in the said office on the 12th day of November, 1873.

3797. And John Henry Knight, of Weybourne House, Farnham, Surrey, has given the like notice in respect of the invention of "an improved steam digging machine."

As set forth in his petition, recorded in the said office on the 21st day of November, 1873.

3849. And Jacob Baynes Thompson, of Whitehall, Wraybury, in the county of Bucks, has given the like notice in respect of the invention of "improvements in smokeless furnaces and stoves."

As set forth in his petition, recorded in the said office on the 26th day of November, 1873.

4000. And Paul Raoul de Fauchaux d'Humy, of 36, Castle-street, Holborn, in the county of Middlesex, Gentleman, has given the like notice in respect of the invention of "a new and improved fastening or attachment adaptable as stoppers for bottles, unions, couplings, or other connections for various objects, and also for the application of parts thereof to other useful purposes."

As set forth in his petition, recorded in the said office on the 5th day of December, 1873.

4018. And Julius Sheldon, of New York, at present residing at Edgley, near Stockport, in the county of Chester, has given the like notice in respect of the invention of "improvements in the construction of machinery or apparatus for stretching the 'tips' of felt hats."

As set forth in his petition, recorded in the said office on the 6th day of December, 1873.

4056. And Matthew Todd, of the firm of John Todd and Sons, of Bradford, in the county of York, Wool Comber, has given the like notice in respect of the invention of "improved apparatus for utilizing exhaust steam."

As set forth in his petition, recorded in the said office on the 9th day of December, 1873.

4104. And Alfred Frederic Lacassaigne, of St. Aubin, Epinay, in the Department of the Seine Inférieure, in the Republic of France, Manu-