THE TEXTILE MERCURY.

PARTNERSHIPS DISSOLED.
Shiegall and Waterton, Frame, woolen merchants and manufacturers.

Black and Chanley, Godley-road Bobbin Works, Halifax, and Bridgewater turners.
Bullerworth and Munro's, Glead Mills, Huddersfield, and cotton spinners.
Brogan and Waterton, Bearnslow Mill, Clitheroe, waste dealers and cotton breakers.
Tulchin, 43 and 70, Manchester, lace manufacturers; as regards Edmund Tatham, Halifx, mechanical engineers and straw-tangiers.
Dodson and Kenyon, Bridge Robin Works, Huddersfield, bobbin manufacturers.
Raye and Barnfather, Pickledean Mills, Holmfirth, woollen cloth manufacturers.

PATENTS.

APPLICATION FOR PATENTS.
The names in italics within parentheses are those of Communicators of Inventions.

Where Complete Specification accompanies Application, an asterisk is prefixed.

6th May.
7539. John Thomas Ellis, 38, Chancery-lane, improvements in apparatus for condensing smoke in cotton and other boilers.
7546. Richard Brainwood Loyd, 76, Chancery-lane, and Mr. James and Miss Carter, 52, Cheap-side.
7558. John Waterfall, 45, Southampton-buildings, London, machine for the separation of the 'edges' of cloth to clothe finishing machines.
7587. Adolph Baabo, 2, East Parade, Leeds, Yorkshire, apparatus for removing dirt from printed cottons, consisting of diamond-tipped cylinobroads and cylinobroads, also for use in the manufacture of cotton yarn.
7588. Adolph Baabo, 2, East Parade, Leeds, Yorkshire, apparatus for the manufacture of cotton yarn, consisting of a cylinder and a combing machine.

11th May.
7657. Deactis and Egan, 64, Barton Arches, Manchester, manufacture of cotton and worsted pile fabrics.
7660. Robert Tatham, 18, St. Ann's-street, Manchester, improvements in the 'cylinders' of existing machine, and in the application of the 'cylinders' in the manufacture of machine goods.

SPECIFICATIONS PUBLISHED.

1888.
9344 Crawford, removing lint from cotton seed, 3d.
9345 Worsley, treating rope waste, 6d.
9348 Canetti (Italy), utilising pitch以外, 6d.
9372 Mather, 119, Holborn, London, 1d.
9344 Jowett and Campwell, packing pile fabrics, 6d.
9346 Jowett, dyeing, 6d.
9347 Lodge and Turner, longue knitted, 6d.
9790 Comman, compressing yarn, 6d.
11,337 Clarke, carding engines, 6d.

ABSTRACTS OF SPECIFICATIONS.

12th December, 1890. Traversed warp machines. J. Hancock, Holmde, Ilkeston, J. R. Hancock, Canal-street, Nottingham, and W. Tatham, Helper, Ilkeston, Derbyshire.

The needle bar D is mounted on slotted slides D and reciprocated vertically, and the slat bar B is driven by a set of shafts C, respectively, the motion being obtained in each case from eases on the cam-shaf. The bobbin, or bobbins, are carried by hanging bars, which are traversed continuously in opposite directions in double races by means of two swivels H, H, carried by A shaped bar H and rotated in opposite directions. The threads pass through double loops, formed by each hanging bar, and in contact with two parallel screws, rotated independently in opposite directions by means of a pinion and double rack, the pinion being attached to the ends of the screw bar by a pair of pinion racks, operated by a rocking lever from the cam-shaft. The bar H, races hanging bars, and thread-transversing screws are also rocked to lay the threads on the needle by means of levers from the cam-shaft. [1a. 5d.]

Arotating or rotary shuttle is made up of a segmental body and a cylindrical bobbin case pivoted or sprung into it. The case end of the case is open, so that when removed from the bobbin the shuttle may be introduced, and the front end inserted to spread the needle-loc.

17,905. December 29, 1890. Spinning mules. J. Jones, Coffinwood, Vorse, France.

Winding—The pawl of the ratchets wheel D through which the quadrant nut G is driven, is actuated by a lever B, which is held in the position shown, against the force of the spring by the catch E. When the ratchet plate C is reversed, the pawl C is raised from the catch E on the counter shaft B, liberating the ratchet catch C and giving the machine its working impulse. The red carrying the quadrant nut is formed in two parts, G, G, coupled together by a pin, and the part at C continues...
regulating the picking motion, such wheel being connected by a rod with a lever 1 to a rock-shaft 2. This shaft carries a lever 3 with an adjustable black 4 connected by a rod 5, etc., with the picking tapping, with or, by means of a hand lever 6 the black 4 may be shifted along the lever 3 to obtain the picking mechanism at each side of the loom in action of rest. [93a]

17.925. December 30, 1897. Black liquids for dyeing, printing, painting, varnishing, etc. L. A. Goher, 5, Grosvenor Hall Chambers, London.—The constituents employed are: gums arabic and tragacanth, spirit of wine, gum tragacanth, gum acacia, gum benzoin, gum gamboge, gum mastic, etc., and are used for the preparation of textile and other goods. [93a]


INDEX TO ADVERTISEMENTS.

The following is arranged by the pages of the Advertiser's Supplement, unless where the cover is mentioned. In the case of Advertisements not appearing in the current issue, their date of first appearance is given.

Hall, Robert and Sons, Bury: v.
Holden, G. H., and Sons, Manchester: x, May 12th.
Hofmann, John, and Son, Manchester: x, May 12th.
Hodgson Brothers, Oldham: vi.
Dugdale, John, and Sons, Blackburn: ix.
Green, James, Blackburn: x, May 11th.
Patt Brothers & Co., Limited, Oldham: viii.
Seabold and Kirk, Hindleyfield: iv. of cover.
Seabold and Co., Hindleyfield: iv. of cover.
Stone and Barlow, Preston: front of cover.
Wilson, Brothers, Corinthia, Manchester: x.

Printed by BACH, East Street, Manchester, and Published by MARSH & CO., at the Office, 39, South Street, Manchester, Second Day, Sixth May, 1899.