

fancy stripes, and the filling wholly of fine wool, is dutiable as "wool flannel costing over 80 cents per pound," at 35 cents per pound and 40 per cent. ad valorem, under paragraph 363 of the Act of March 3rd, 1883.

Joint Stock and Financial News.

NEW COMPANIES.

ROBERT HINDLE AND COMPANY, LIMITED.

Capital, £15,000, in £50 shares. Object, to carry on the business of calico printers, bleachers, etc., to acquire, construct, and control tramways, railways, manufactures, electric works, shops, stores, and other conveniences. Subscribers:—

* R. Hindle, Sabden, calico printer.....	1
* Miss E. Hindle, Sabden.....	1
* C. Laycock, Sabden, cashier.....	1
* T. Arderton, Sabden, colour mixer.....	1
R. Kay, Oswestry, manager.....	1
Mrs. Watson, 52, Bishop-st., Manchester....	1
Mrs. Kay, Oswestry.....	1

The first directors are the subscribers denoted by an asterisk; qualification, £300; remuneration to be fixed at general meeting. Registered office, Sabden.

UNION ENGINEERING COMPANY, LIMITED.

Capital, £19,000, in 1,000 preference shares of £10 each and 300 ordinary shares of £30 each. Object, to acquire the business of the Union Engineering Company, carried on at Holt Town, and 2, Clarence-buildings, Booth-street, Manchester, and to develop and extend the same. There shall not be less than three nor more than seven directors. The first are George C. Peel, John Crighton, and Robert Crighton. Qualification, 100 shares. Remuneration: George C. Peel £208, John Crighton £312, and Robert Crighton £260 per annum.

JOHN SHAW AND CO., LIMITED.

Capital, £15,000, in £10 shares. Object, to acquire the business of a dyer and finisher now carried on at Garnett-street, Leeds-road, Bradford. There shall not be less than three nor more than five directors. The first are James Bairdow, John B. Spencer, and John S. Booth. Qualification, £50. Remuneration not specified.

TURTON HOSIERY COMPANY, LIMITED.

Capital, £40,000 in £10 shares. Object, to acquire the business of a woollen, etc., manufacturer carried on by John Robert Barlow and others under the style of "The Turton Manufacturing Company," at Turton, Lancashire, in accordance with an agreement expressed to be made between John Robert Barlow and others of the one part and the Turton Hosiery Company, Limited, of the other part, and to carry on the said business generally. First subscribers:—

J. R. Barlow, Edgworth, near Bolton.....	1
J. Hoyle, 88, Chorley New-road, Bolton....	1
R. Dowson, 15, Bedford-street, Bolton....	1
W. H. Hoyle, 88, Chorley New-road, Bolton..	1
J. Taylor, 70, Chorley New-road, Bolton....	1
F. Dowson, Victoria Cottages, Turton, Bolton.	1
J. Hulme, Victoria Cottages, Turton, Bolton..	1

The first directors are to be appointed by the subscribers. Qualification, 100 shares. Remuneration to be determined.

WILSON AND GLENNEY, HAWICK.

Registered in Scotland with a capital of £125,000 in 1,200 ordinary shares of £100 each and 5,000 "B" shares of £1 each. Object, to acquire from the firm of Wilson and Glenney, manufacturers, in Hawick, the whole or any part of the estate and effects used by them in connection with the business of woollen manufacturers carried on by them at Langlands and Ladylaw Mills, Hawick, and to carry on the business of woollen manufacturers in all its branches, etc. The ordinary stock has all been taken up by the following first subscribers:—

G. Wilson, manufacturer, Kilmeny, Hawick	280
J. Wilson, manufacturer, Bucklands, Hawick	340
J. Glenney, Hawick.....	10
G. M. Wilson, manufacturer, Hawick.....	80
J. J. Wilson, manufacturer, Deanfield, Hawick.....	350
Mary Ann Wilson, wife of C. J. Wilson, Hawick.....	10
G. H. Wilson, manufacturer, Hawick.....	10
J. Glenney, manufacturer, Hawick.....	10
C. T. Glenney, manufacturer, Hawick.....	10
Georgina Glenney, wife of James Glenney, Hawick.....	10
Miss Katharine Wilson.....	10
J. Graham, Grassmere, Westmoreland....	80

The first directors are to be Messrs. George Wilson, James Glenney, C. J. Wilson, and G. M. Wilson. The first managers are to be Messrs. James Glenney, C. J. Wilson, G. H. Wilson, and John Glenney, at a total salary of £1,000 per annum.

Gazette News.

ADJUDICATION.

Francis Wright, St. Austell, Cornwall, china clay merchant.

RECEIVING ORDER.

William Blakeley, Greenhead-road, Huddersfield, woollen manufacturer.

PARTNERSHIPS DISSOLVED.

Robert Hall and Sons, Hope Foundry, Bury, engineers; by the death of Samuel S. Hall.

C. Waterhouse and Co., Manor Mills, Yeadon, cloth manufacturers.

Webb, Spray, and Co., Adcock's Factory, Gamblestreet, Nottingham, lace manufacturers; by the death of James Hill.

T. Ashworth and Co., the Bank, Rochdale, flannel and blanket merchants.

WINDING-UP NOTICE.

The Northern Hosiery Company Limited, Bolton.

NOTICE OF DIVIDEND.

L. Atkinson, Harcourt Mills, West-street, Leeds, cloth finisher; 10½d., second and final.

Patents.

SPECIFICATIONS PUBLISHED.

1890.

- 5,449. TASKER AND HARGREAVES. Opening cotton, etc. 8d.
- 6,250. GLOVER AND GARDE. Warps. 8d.
- 7,274. RIVRET AND HONORE-COLSON. Carding machines. 8d.
- 7,550. FAIRBURN. Looms. 8d. [8d.]
- 7,708. KAY AND YOUNG. Shearing textile fabrics. 8d.
- 7,765. WALTON. Loom pickers. 6d.
- 8,180. DE LA ROCHE. Retting and scouring fibres. 6d.
- 8,809. WISE (Favre and Brauu.). Treating fabrics. 11,872. BLYTH. Cutting hair, wool, etc. 8d.
- 17,342. TETTWEILER, Fabrics. 8d.
- 20,353. MCBRIDE. Cleaning vegetable fibre. 8d. 1891.
- 2,348. BARTON. Granite linoleum. 6d.
- 2,447. DUNLAP. Figured pile carpets. 8d.
- 2,533. THIES AND CLIFF. Dyeing in aniline black, etc. 4d.
- 2,858. DE PASS (Tubs). Ring spinning frames. 8d. AMENDED SPECIFICATION.

1887.

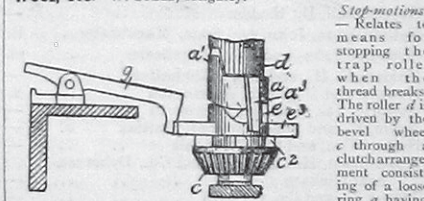
- 10,076. HEYS (Martinet). Nap raising machines. 8d.

ABSTRACTS OF SPECIFICATIONS.

16,769. October 24th, 1889. Spinning. J. BUCKLEY, Queen-street Iron Works, Stalybridge.

Opening and scutching cotton, etc.—Instead of the fibre passing from the air trunk direct to the feed mechanism of the scutcher, it is passed first through one or more pairs of revolving dust cages provided with dampers and with fans which draw the fibre into the nip of the cages. 6d. Drawings.

16,729. October 23rd, 1889. Doubling and Twisting Wool, etc. W. STELL, Keighley.



jections a1, a2 which engage respectively with rollers a and with projections c2 on the back of the level wheel c. Between the ring a and the level wheel is another loose ring e provided with arms e3 for engaging with the trap lever g when the thread breaks. The rings a and e are formed with cam surfaces, so that when the ring e is prevented from rotating by the roller d with it, is lifted until the projections a2 are disengaged from the projections c2. 8d. Patent opposed. Case not yet decided.

16,872. October 25th, 1889. Winding and unwinding warps or fabrics. H. A. FISHER, Newcastle Circus, The Park, Nottingham.

In twist lace or other machines the speed of the let-off or take-

up beater is automatically regulated by varying the feed according to the diameter, for which means are provided. 6d. Drawings.

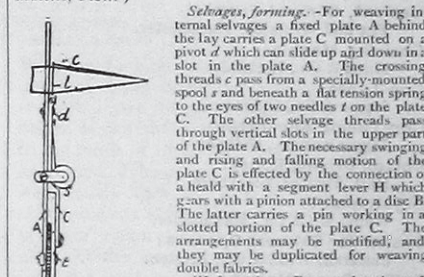
16,873. October 25th, 1889. Lace-making. J. R. HANCOCK, Wood-street, Beeston, Nottinghamshire, and H. DOBBS, 20, Stoney-street, Nottingham.

Twist-lace machines.—Above the ordinary bobbin-carriages is arranged an additional tier of bobbins and carriages for working threads, cords, or gimps, in combination with the ordinary warp or bobbin threads. The combs are separately attached to a number of bars, and are traversed independently by a spring or dropper jacquard at one end of the machine. 1s. 2d. Drawings.

16,910. October 26th, 1889. Spinning. T. CRAIG, Alston Works, Thornton-road, Bradford, and T. W. HARDING, Tower Works, Globe-road, Leeds.

Square motion combing machines.—Improvements on the invention described in Specification No. 7,517, A.D. 1888. In order that the doffer comb or noil knives may take satisfactorily between the transverse rows of pins in the square motion combs, the fallers carrying the latter are forced sideways by means of a plate, behind which are a number of spiral springs. The noil knives are themselves cleared by means of an oscillating knife, which is cleared by fixed knives; or a revolving stripper, itself cleared by means of oscillating and fixed knives, may be used for this purpose. To the stock carrying the noil knives is secured a plate carrying rows of pins, which take between the blades and assist in holding them down to the metal base. 8d. Drawings.

16,953. October 26th, 1889. Looms. H. H. LAKE, Southampton Buildings, Middlesex.—(F. Lacey, Adams, Massachusetts, U.S.A.)



Selvages, forming.—For weaving internal selvages a fixed plate A behind the lay carries a plate C mounted on a pivot d which can slide up and down in a slot in the plate A. The crossing threads c pass from a specially-tensioned spool s and beneath a flat tension spring to the eyes of two needles n on the plate C. The other selvage threads pass through vertical slots in the upper part of the plate A. The necessary swinging and rising and falling motion of the plate C is effected by the connection of a head with a segment lever H which gears with a pinion attached to a disc B. The latter carries a pin working in a slotted portion of the plate C. The arrangements may be modified; and they may be duplicated for weaving double fabrics.

Web cutting.—For severing the web between the selvages, or for cutting fringed goods, apparatus is described comprising a rotary cutter or cutters, with pin rolls, a guide wheel, etc., such apparatus adjusting itself to the severing motion of the cloth. 1s.

16,973. October 28th, 1889. Bobbins. J. and D. CLAYTON, Thornton-road, Bradford.

Apparatus for branding or black-marking wood spools consisting of a lathe arrangement. 8d. Drawings.

16,982. October 28th, 1889. Colours. C. H. WILKINSON, Colne Valley Works, Slaithwaite, Yorkshire.

Relates to a system of colouring in which a scale or octave of colour is arranged corresponding to the diatonic scale in music. Consists in setting the primary colours, red, yellow, and blue, to correspond to the notes C, E, G, of the common chord in the natural key, and then mixing these colours in proportions founded on the relative rates of vibration of the notes in the musical scale, in order to produce the remaining prismatic colours, orange green, indigo, and violet, to correspond to the notes D, F, A, B. Intermediate colours are obtained corresponding to sharps and flats by mixing the principal colours on each side of them. A chromatic scale is thus obtained. The ascending and descending octaves of these colours are produced by mixing them with certain proportions of white or black. The system comprises also diagrams of colour harmonies consisting of notes, chords, or scales in ranges or keys corresponding respectively to the notes, chords, scales, and keys of music. The system is applicable for use by textile manufacturers, dyers, printers of colour on calico, paper, floorcloth, etc., colour makers, designers, artists, etc. 1s. 2d. Drawings.

W. P. THOMPSON & CO.

Agents for procuring Patents and Registering Trade Marks and Designs. 6, Bank St. (Exchange), Manchester, Largest Patent Agency in Great Britain. "Facts for Inventors" (Tramplet sent free on application).

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