#### THE KIDDERMINSTER CARPET TRADE

After the somewhat long holiday and the indulgencies by common consent allowed at Christmas time, busi-ness this week could hardly be expected to run with ness this week could hardly be expected to run with its wonted smoothness in this or in any other industry. Throughout the district carpet works and spinning mills were closed until Monday morning, and in one or two instances, in consequence of stock-taking and un-finished repairs to machinery, doors of the former were not opened until as late as Thursday. But for orders already on the books and orders for goods down for delivery on the 1st of January, manufacturers may have learn their looms at play the whole of the week, as new kept their looms at play the whole of the week, as new business has been practically nil; as it is, scarcely any work has been done, with the exception of that absolutely necessary to do, and machinery everywhere has running most irregularly. By next week things will have got into their proper groove again, a large number of the firms' travellers will take to the "road" to resume their journeys, and it is safe to say that the to resume their journeys, and it is safe to say that the second stage of the spring season will be entered upon with earnestness and confidence. It is of no use denying the fact that up to the present business this season has been disappointingly backward, indeed, it would not be far wide of the mark to say that not many more than one half the usual number of orders have been booked. The principal reasons assigned for this are the advanced price list issued right at the beginning of the selling season and the subsequent depressed state selling season and the subsequent depressed state of the wool market, and consequent gradual decline in values. The weakness of the wool market has, of course, been the main obstacle. So long as raw material kept firm there was not much the matter, business was opening out very well, and the outlook was regarded by everyone as favourable, but the moment the wool market exhibited signs of weakness buyers commenced to cut down their purchases almost to their actual wants, and all weighty business was deferred to the new year. It is quite expected that in consequence of this orders will now come in rapidly, and that about of this orders will now come in rapidly, and that about six months work will be crowded into the next two or three. Should this take place it is feared that in the manufacturers' attempt to accomplish this the question of overtime must be pushed forward for definite settlement; as it stands at present it is not satisfactory to the employers, and a good many of the weavers have not failed to express dissatisfaction with the resolution recently passed by their Association.

# Joint Stock and Financial Rews.

NEW COMPANY.

D. AND D. H. FRASER, LIMITED

Registered by Waterlow and Sons, Limited, Londonwall, with a capital of £120,000 in £10 shares. ject, to commence, establish, acquire (by purchase or otherwise), conduct and carry on the business of general and commission merchants and warehousemen in England, the colonies, or elsewhere; to import and kinds of woollens, cottons, silks, etc. The first subscribers are :-

D. H. Fraser, Wepener, South Africa..... A. Fraser, Westerned Gouse, Trawiell
E. Titchmarsh, Ipswich
J. F. Titchmarsh, Ipswich
W. B. Roche, Ipswich
J. L. Ensor, Ipswich

There shall not be less than three nor more than five directors. The first are D. Fraser, D. H. Fraser, C. D. Cowen, J. A. Nash, and J. W. Roche. Qualification, 200 shares. Remuneration, £50 each. D. H. Fraser is appointed manager-in-chief, with a remuneration of £1,000 and a further £300 after 121 per cent.

# Datents.

SPECIFICATIONS PUBLISHED.

The names in italies within parentheses are those of Communicators of Inventions.

Where Complete Specification accompanies Applica-tion an asterisk is suffixed.

1880. TRUMAN. Treating hemp, flax, etc. 4d. COUTURAT. Knitting frames. 8d. 20,021.

1890. 1,260. WHITWORTH. Revolving flat carding EDWARDS (G. Josephy's successors). Fleece

dividing machinery. 8d.

1,579. IMRAY (Societe Anou. des Matieres Colorantes de St Denis and others). Making azo-amines.

MATTOCK, W. and T. Looms 8d 1,995. MARAY (Farbwerke vorm. Meister, Lucius, and Bruning). Colouring matters. 4d.
1,916. LINDSAY, J. and R. Looms. 8d.
2,090. COOPER and others. Cardigan jackets, etc.

2,121 Fox and WADE. Looms. 8d.
2,499. LAKE (Ochler). Cotton dye-stuff. 4d.
16,137. BUTTERWORTH, J. and G. F. Cloth straightening apparatus for bleaching, etc., machines.

NICHOLSON and HALL. Doubling and

throwing silk, etc. 6d. 17,085. Wood. Guide eyes for spinning frames. 6d.

#### ABSTRACTS OF SPECIFICATIONS.

11.608. July 20, 1889. Kn tting. J. LANGHAM, Cause-av-lane, Leicester.

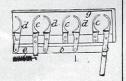
way-lane, Leicester.

Parallel machines—thread carriers.—In addition to the hole for the ordinary thread, a curved slot is formed to feed a thread of inferior quality so that it always lies behind and his hidden by the thread passing through the usual hole. According to the Provisional Specification the same result may be accomplished by two thread-carriers acting in conjunction with stops. 64d.

Drawings.

11,627. July 22, 1889. Spinning, etc. H. RAWCLIFFE, Lower House, Burnley, and. J. Eastwood, Throstle, Burnley.

Doffing arrangements.— A number of bobbins, etc. are doffed simultaneously by are colled simultaneously by means of a series of clips, consisting of fixed jaws e, and movable jaws d, connected by a link b. The clips are normally kept either open or closed by means of a spring e, and suitable handles are provided; is in



normally kept either open or closed by means of a spring e, and suitable handles are provided; g is a rod or wire for preventing the yarm from becoming entangled with the jaws. For holding the yarm form geometric provided, g is a rod or wire for preventing the yarm from becoming entangled with the jaws. For holding the yarm during entangled with the jaws. For holding the yarm during in front of the spindles, is employed. When the bobbins are ready to be doffied, the wire is turned over the points of the spindles to the back of the same, carrying with it the yarm, and holding it during the doffing operation. 8dd.

11.642. July 22, 1853. Twistling yarms. D. R. MALCOLM, Constable Works, Dundee.

The delivery bobbins are mounted in a weighted cradle, and the threads from them are guided through an aperture in the axis of a revolving frame or flyer. The threads are then passed over guides and returned again to the axis of the flyer, and taking over guides and returned again to the axis of the flyer, and taking over guides and returned again to the axis of the flyer, and taking over guides and very guides to a receiving bobbin. The combined threads by this means receive two turns of twist for each revolution of the flyer. Details of driving are given. The invention is specially applicable for twisting jute, flax, hemp, etc. 8dd. Drawings.

11.653. July 22, 1850. Knittling, H. S. Love, 2016.

threads by this means receive two turns of which for each revolution of the flyer. Details of driving are given. The invention is specially applicable for twisting jute, flax, hemp, etc. 84d. Drawings.

11,653. July 22, 1850. Kritting. H. S. Long, 2,043. Coral-street, Philadelphia, U.S.A.
Fashioning.—The needles for forming heels and toes are put in and out of action for widening and narrowing by means of two or four slides working in slots. The end needle energes with an in, and raises the slides until the pin is pressed in a prince of two or four slides working in slots. The end needle energes with a pin, and raises the slides until the pin is pressed in a prince of the slides are moved down again into position by spring arm to tappet blocks which are rocked by arms engaging with studs. Driving-mechanisms.—Motion is transmitted from treadle mechanism by chain and sprocket gearing and a spring clutch, and two machines may be operated together.

Stop-motions.—The clutch is thrown out of action either when a weight or a fabric engages with brackets on a vertical sliding rod, or when a knot, or fault in the yarn, which passes through an eye at one end of a pivoted lever, operates a system of levers with the aid of a weight. 8td. Drawings.

11,666. July 22, 1889. Dyeso O. IMRAV, 28, Southampton Buildings. Chancery-lane, London.—Farbuceke warns. Meister, Lucius and Bruning; Hoechst-am-Main, Germany.)

Relates to the preparation of derivatives of flavopurpurine. By the action of nitric acid upon flavopurpurine when sulphuricid is also used, and deta-nitroflavopurpurine when glacial acetic acid or other indifferent solvents, such as hydrocarbons, etc. are represent. The beta product is an orange-red colouring matter, dycing alumina mordanted fabrics a yellower shade than beta-nitro-alizarie. It is prepared by heating flavopurpurine when glacial acetic acid or other indifferent solvents, such as hydrocarbons, etc. are resent. The beta product is an orange-red colouring matter, dycing alumina mordanted fabrics a yellow

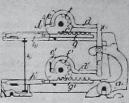
sliver, when the engine is stopped in the manner above described. Brawings.

11,733. July 24, 1889. Embroidering machines.
P. A. Newros, 6, Bream's Buildings, Chancery-lane, London.
(J. Irish. 201, Clinton Avenue, Connecticut, U.S.A.)

A machine in which material carried by a moving frame is worked on by one or more needles, is provided with jacquard mechanism to move the frame varying distances in different directions, and with automatic stopping gear. 2s. 1½d. Drawings.

11 762. 32. July 24, 1889. Looms. J. Culpan, Standing Luddendenfoot, Vorkshire.

Debbies.—To ensure a positive action of the healds in both directions the jack levers a carry levers c, to which are hinged the sickle rods d di connected to studs d2 on the discs c,ct. The latter carry segment wheels f, ti gearing with the rack portions g, gt of the usual catches h ht. The studs d2 are placed at distances from the centres of the discs which will produce an even she of dead centre, and so lock the



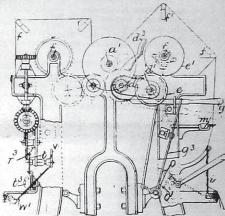
centres of the discs which will be discaled the positions of dead centre, and so lock the parts until a change is required The Provisional Specification states that the ordinary needles & are replaced by cranked angled bars, which are held in position by the shaft of the rocking-lever. 6dd.

11,795. July 24, 1889. Dyes. H. H. Leigh, 22, Southampton-buildings, Chancery-lane, London (R. G. Williams, Athany, New York, U.S.A.)

ton-onlinings, Chancery-Jane, London, R. C. Wittams, Athany, New York, U.S.A.)

Also dyes,—Relates to the production of azo colouring matters, which dye cotton without a mordant, from the alkylised acids of the orchella lichens, or compounds of the same. Consists in combining one molecule of a tetrazo compound with two molecules of the above acids, or in first combining one molecule of a tetrazo compound with a phenol, or amine, or sulpho, or carbo acid thereof, and then combining this intermediate product with one molecule of the above acids, thus producing mixed azo dyes. The tetrazo compounds used are those of diphenyl, ditolyl, naphthalene, stiphene, fluorene, diphenol ether, azo-benzol and its homologues, and oxydiphenyl. The amines and phenols used are the sulpho acids of then aphthylamines, naphthols, mono-ethylamiline and diphenyl amine, and salicylic acid. For example: benzidine and the methylated lichen acids yield a fine scarlet dye; tolidine, anaphtylamine, and salicylic acid. For example: benzidine and the methylated lichen acids yield a shade like benzo-purpurine 4 B. 6 dd.

11.820 July 25, 1839. Spinning. E. Rushton, Royal Depôt Mills, Macclesfield.



Reeling machines.—The reel is driven through a clutch bex on the shalt f, which is driven from the shalt at through friction wheels e, et and spur gearing, one axle dt of which is carried by a swing link d turning about the axle of and operated so as to place the wheels into and out of gear by means of a spring handle g. The axle of also carries a brake d3. Normally the handle g is supported in the raised position by a catch. The yarn from the bobbins is passed over suitable guides, several times round a detector or faller wire t through a guide/on the traverse bar mand onto the reel ft. When a thread breaks the faller wire t falls into the position shewn in dotted lines, and into the path of an oscillating beater of driven from the shalt f. On the axle of the beater is a clutch box, the movable part of which, when the leater is topped, is moved sideways on the axle, and by means of a lever g3 moves from its catch the handle g, which falls and disengages the friction wheels e, et, and brings the brake d3 into contact with the wheel et. In order to stop the reel when a required length of yarm has been reeled, a dise r is employed, which is driven through worm and change gearing at such a rate that it makes one revolution for the length of yarm has been reeled, a dise r is employed, which is driven through worm and change gearing at such a rate that it makes one revolution for the length of yarm required in a skein. The disc r carries a stud r3, which, in its lowest position, engages with a lever t, the other end of which engages with the spring handle of a bell t3. On the axle of the lever t is a quadrant V1, mounted loosely and normally held in such a position that it will support the end of a faller wire W1. When the externity of a curved slot in the boss of the quadrant V1. When the stud on the dise r in its rotation releases the lever t, the asle of the latter is forced by the spring handle of the bell slightly beyond its normal position, and the stud upon it troates the quadrant V1 slightly, allowing the fa Recling machines. - The reel is driven through a clutch box on

Sid.

1. 1837. July 25, 1839. Knitting comforters, etc. R.

HADDAN, 18. Buckingham-street, Strand, Middlesex. (L.

Richewofts, Tomer, From. Front.

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### PATENTS. W.P. THOMPSON & CO.

Agents for procuring Patents and Registering Trade Marks and Designs.

6, Bank St. (Exchange), Manchester, 6, Lord St., LIVERPOOL; and 323, High Holborn, LONDON,

Largest Patent Agency in Great Britain. "Facts for Inventors" (Pamphlet sent free on application)