obtained for the new wools which are now coming speedily forward, are about the same as what was current at this time last year. The first series of public sales for the new clip will be held here on wednesday, 18th inst., when there will be a fine selection of cross and half bred hogs, &c.

SHEEP SKINS.—The supply has been up to the average, and many prime lots. There is not much change on rates, but long wools are not quite so strong. Lambs and shorlings are well competed.

### FLAX AND JUTE.

DUNDEE TRADE REPORT.

WEDNESDAY, 11TH JUNE, 1890.

Our market continues firm without any change in Our market continues firm without any change in values for the week. The thing which engages the attention of merchants is the effect of the "silver bill," the immediate result of which has been to raise exchange from 1s. 4½d. to 1s. 6½d. This is a large rise, the effect of it is to make jute dearer. Of course if the rupee price falls in proportion the sterling price will not be changed here, but the important question is: Will the rupee price fall? This change would also affect Hessians going from Calcutta to the States, making them dearer and thus favouring Dundee.

fall? This change would also affect Hessians going from Calcutta to the States, making them dearer and thus favouring Dundee.

Wheat also would rise in value, and this would greatly favour American farmers as the Indian wheat is a competitor. The Western farmers have real reason to fear, this is the reason the farmers in America have supported the silver bill. Skilful and experienced merchants on the other hand say that if the price of silver is artifically raised, it will certainly lead to a greatly increased production of the metal, and in the end the fall in silver will be greater than if the thing were let alone. They also remark that the "Bill" does not put silver out of existence, and will not therefore do more than operate for a very short time. In the meantime exchange has risen and Indian merchants withdrawn their offers of new jute waiting before selling to be able to fix their exchange. In all positions therefore jute is rather firmer.

The exchange also affects Russian produce and flax which was done at £17 10s. is held at £18 10s. to £19.—K Riga for example. Jute yarns are firm without change in price, and the same remark applies to jute cloth.

Flax yarns, especially fine warp, are firmly held, but no rise in price is possible vet.

applies to jute cloth.

Flax yarns, especially fine warp, are firmly held, but no rise in price is possible yet.

Common tow wefts are very dull and easier to buy.

Linens are in fair demand, all the looms being well engaged.

Fife and Belfast are rather hard bit by the failure of a Glasgow linen buyer. Forfar and Brechin escape with some trifling exceptions. Arbroath is busy, and the Dundee fancy jute trade

is fairly active.

MANCHESTER.

The home trade is extremely quiet, but the shipping department is active, and enquiries continue to be received, especially from the United States, where importers are straining every effort to lay in a heavy stock before the new Bill can become law. Jute goods are firm, but sales are not extensive, and it will be some little time ere anything like a brisk movement sets in.

# SILK.

LONDON.

THURSDAY.—London Produce Clearing House quo-tations of best 4½ Tsatlee: June, 12s, 7d.; July, 12s, 8d.; August, 12s, 9d.; September, 12s, 10d. per lb. Sales registered, nil.

### DRY GOODS.

MANCHESTER.

MANCHESTER.

A fair average amount of business has been passing this week for the season, although stocktaking naturally acts as a clog to special activity. Sales have been satisfactory in the fancy departments, and the demand for ribbons has been maintained. Plain goods are the safest stock just now, fancy ribbons being dangerous, and some of the London houses, who found themselves provided with large quantities of these goods at the beginning of the season, must have lost thousands of pounds owing to the disappointing character of the trade thus far. Neck ribbons are moving more freely, and Coventry firms have provided some taking lines in these articles, some selling at about 5s. 4d. the piace being considered amongst the best. With Swiss goods, however, of a similar nature offering at 2s. 6d., competition becomes difficult. The furnishing departments have now slackened down

somewhat, the push generally taking place earlier in the year. Silk scarves have come forward of late, both English and Continental productions being in request.

#### THE KIDDERMINSTER CARPET TRADE.

Business has been somewhat quicker in the Brussels department of this trade since the holidays; still, there is no need for complaint, and manufacturers seem well satisfied with the present state of things. Up to the present this year business has been exceedingly good, machinery throughout the district has been running at higher pressure, and production has been heavier than known for many production has been heavier than known for many years. Some falling off at this period is neither exceptional nor unexpected, as the carpet trade is becoming as all fancy trades are, more and more a seasonal trade. A fair number of repeat orders continue to come to hand, and these are finding a pretty steady employment for machinery. Pattern buying for the autumn season is now absorbing a large amount of attention at all of the mills. Prices for all grades remain as fixed a few months back. There is still some talk of a further advance in the autumn, and the question will be probably more There is still some talk of a further advance in the autumn, and the question will be probably more fully discussed after the results of the past year's trading are known, when stocks are taken at the end of the month. There is no doubt that greater unanimity exists amongst manufacturers than perhaps has ever existed before. Possibly this is one of the good results the dead syndicate left behind it, as during the negociations which took place when that matter was in progress, manufacturers were brought closer together, and it is believed that however successfully the industry may have been conducted in the past, with the more have been conducted in the past, with the more cordial relations existing amongst those interested, it will be conducted with more satisfaction to all concerned in the future.

concerned in the future.

Important changes are on the eve of taking place in the constitution of two or three firms in Kidderminster, and it is said that at the end of this month the investing public will have an opportunity of subscribing a certain portion of capital required for working and extending some of the best known eartet houses in the trade.

In the local wool market business remains restricted, although prices are generally more steady than they have been for the last two months. Spinners of worsted yarns continue fairly busy on existing contracts, but for the next few weeks delivery instructions will be cut within the lowest limits on account of stocktaking in the carpet limits on account of stocktaking in the carpet

# Foint Stock and Financial Rews.

NEW COMPANIES.

WHALLEY ABBEY PRINTING COMPANY, LIMITED.

Registered by Roweliffe, Rawle and Co., 1, Bed-ford-row, W.C., with a capital of £120,000, in £50 shares. Object, to acquire the business of a calico printer, now carried on by Bryce-Smith under the above style. The first subscribers are:—

Bryce-Smyth, Rye Bank, Chorlton-cum-

Hardy R. Dutton, West View, Lyonne, Cheshire... H. R. Bryce-Smith, Rye Bank, Chorlton-

cum-Hardy A. Bryce-Smith, Rye Bank, Chorlton-cum-

J. Thompson, J.P., Riversdale, Wilmslow, Cheshire J. Naylor, 27, Portman-street, Maachester.

There shall not be less than two nor more than reven directors. The first are Bryce-Smith, Norgrave J. Bryce-Smith, and James Naylor. Qualification, £1,000. Bryce-Smith is appointed governing director, with a remuneration of £300 per annum. Remuneration of the other directors to be determined in general meeting.

THE LIVERPOOL CO-OPERATIVE WARRHOUSING

THE LIVERFOOL CO-OPERATIVE WAREHOUSING COMPANY, LIMITED.

Registered by Robins, Cameron, Kemm, and Pothocary, Gresham House, E.C., with a capital of £100,000 in £10 shares. Object, to carry on in Liverpool or elsewhere business as warehousemen on the co-operative system; to deal in cotton and other produce, and transact every kind of agency business.

Shares.

The first subscribers are:

C G. Cowie, 13, Rumford-street, Liverpool. . 1
J. Thornburn, 13, Rumford-street, Liverpool 1
J. H. Feigler, 13, Rumford-street, Liverpool 1
R. F. Lang, 4, Chapel-street, Liverpool . . . 1
J. Sherwood, 4, Chapel-street, Liverpool . . . 1
J. J. Kenns, 18, Mellor's-buildings, Liverpool C. Dukinfield, 23, Brown's-buildings, Liverpool 1

### COTTON COMPANIES' REPORTS.

SHAW (Shaw): Profit, three months, £1,482
18s. 4d. Balance available for dividend, £1 488
19s. 8d. Lividend 10 per cent. per annum, which will absorb £1,225. The sum of £200 is placed to the reserve fund, and £63 9s. 8d. is carried forward—share capital £49,000. Loans £19,253. Spindles 70,000 (30,670 T and 39,330 W). Plant, three months ago, £54,592. Company formed 1874.
THORNHAM (Royton): Profit, three months, £1,611 0s. 2d. Dividend 1s. 6d. per share of £3 5s., which will absorb £900. The balance, £711, is carried to reserve fund, which now stands at £5,090. Share capital, £39,009. Loans, £52,126. Spindles, 86,524 (25 356 T and 61,168 W). Plant, three months ago, £54,592. Company formed 1874.
BAXENDEN INDUSTRIAL MANUFACTURING COMPANY: Dividend for past six months 5 per cent. per annum and £140 carried forward. 547 looms and no spinning.

annum and £140 carried forward. St. Robins and spinning.

Milloate and Facit Company, near Rochdale: Dividend for past six months, 8 per cent. per annum. 20,688 spindles and 602 looms.

RAWYENSTALL FLAX MILL CO. Profit for 3 months, £35. 50,000 spindles and 760 looms.

ROSSENDALE COTTON SPINNING AND MANUFACTURED CO. STANKED AND Atherton Holme Mill:

TURING Co., STACKSTEADS, Atherton Holme Mill: Profit, three months, £340. Dividend, 5 per cent. 8,000 spindles and 752 looms.

# Gazette Hews.

RECEIVING ORDERS.

Alfred Brown and John Brown, Old Mill, Yeadon, cloth manufacturers; Leeds.

PARTNERSHIPS DISSOLVED.

Pickup and Holden, Bank Top Mill, Darwen, cotton manufacturers. Smith and Aspinall, Stead Mill, Brighouse, York-

shire, woollen manufacturers. Standard Asbestos Company, Bankside, South-

Standard Asbestos Company, Bankside, Southwark, Surrey, asbestos manufacturers.
Megson Brothers, Manchester-street, Oldham, curriers or strap and belt manufacturers.
William Watson and Robert and H. Scott, trading as Gale Printing Company, George-street, Manchester, calico printers.
S. Lodge and Richard W. Thompson, Burley Vale Mills, Leeds, woollen manufacturers.
A. W. Prince and Co., Millergate, Bradford, woolstaplers.
Jones and Co., Builth, Wells, Brecon, wool

Jones and Co., Builth, Wells, Brecon, wool merchants.

merchants.

NOTICES OF DIVIDENDS.

J. Froggatt, T. Froggatt, and G. Froggatt (trading as J. Froggatt and Sons), all residing and trading at Newtown, Cheshire, candlewick spinners, 2s. 7d.; first and final.

T. Froggatt (separate estate), Newtown, Cheshire, candlewick spinners, 7s.; first and final.

G. Froggatt (separate estate), Newtown, Cheshire, candlewick spinner, 20s.; first and final.

Charles Williamson, 19, Percy-street, Carrol-street, and Earl-street, and late of 20, Orchard-street, and In Preston, rope and twine manufacturer, 2s. 6d.; first and final.

### ABSTRACTS OF SPECIFICATIONS.

66. Jan. 2. 1889. Washing wool. H. W. Laxonccc 2, Charmout Villas, Loughton, Essex. Relates to a process forwashings cool, and to the treatment and utilisation of the washings. Consists, firstly, in twice soaking the wool in water not acceding 140° Ps, pressing, and drying by centrifugal action. The water contaming potasits is separated from the cirt deposited, and evaporated to dryness; or the water is raturated with hydrochloric, suphuric, or phosphoric acid, and concentrated to obtain the potash as the corresponding salt. The emulsion formed be the small quantity of scap present, due to saponification the fasts, is broken up by the above treatment with acid, and the fats may be recovered by treatment with earbn blaulphide or other solvent; or the water, after concentrating is

allowed to cool, whereby a cake of soap and fat is separated. The second part of the process consists in washing and scouring the wool with soap lye, rinsing in water, and drying. The remulsion so produced, and the rinnings, are evaporated in vacuum apparatus, and repeatedly treated with diluted spirit, whereby the soap is extracted. The wool fat is then extricted from the residue of dirt by means of suitable solvents. A modifies tion of the process consists in dispensing with the preliminary scaking, the liquid resulting from the soap lye washing being concentrated, suiturated with acid, and heat to life at the fact of the soap and the wool fat, which are then recovered by heat and pressure, or by solvents. [64d. No Breatings]

to liberate the fatty ac do of the scop and the wool rat, which are then recovered by heat and pressure, or by solvents. [64].

No Drawings

84. Jan. 9, 1889. Fibres and textile fabrics. M.
Zinours, 19, Buckland Crescent, Behize Park, Middlesex.
Vegetable and snimal fibre and textile fabrics are bleached, strengthened, prepared for dyeing and improved in appearance and otherwise in the following manner. The material is cleaned by soaking in a 5 per cent. solution of sulphuric scile neutralised with ammonia, the dressing present in textile fabrics baving been previously removed by boiling in a 10 per cent. solution of ammonia. After washing, about 400 lbs. of the material is soaked for several hours or heated to about 1000 Fabr. in a mixture prepared as follows:—10 lbs. of science and 2 lbs. of ammonia, and the mixture is allowed to digest a solvely until the ammonia is evaporated. To this added 5 lbs. of olic acid which has been previously saponified with bicar board of the previous of the solvent of the previous short of the short of the previous short of the short of the previous short of the short of the previous short of the short of

97. Jan. S, 1889 Carding engines. W. Walton, Haughton Lale, Denton, Lancashire.



Cylinder s.—The card clothing may be in a single sheet or in fillets, the ends being either by
secured to the cylinder, or to each other, so as to form endless bands. When fillets are used, a separate short tension rod is used for each fillet. The invention my also be applied for securing sheets, or filleting covered with emery, on to grinding-rollers. [8-d.]

250. Jan. 5, 1889. Knitting. F. MELLOR, Lee Works, Nottingham,



Straight bar machines.—The brass tricks, in which the sinkers dwork, are provided with steel lining strips b, c, in addition to the lining strip a at the pressing part, to lessen wear. The Provisional Specifi-cation describes also a move-

wear. The Provisional Specification describes also a move-jections on the catch ber, for preventing the jacks from falling out of the combs. [6]d.]

falling out of the combs. [6]d.]

197. Jan. 4, 1880. Dypting J. Ishaay, 28. Southampton Buildings, London.—(Soc. Anon., der Matieres Colorantes et Produite Chimiques de S. Denie, Proc. 1880. Denie, Proc. 1880. Denie, Proc. 1880. Denie Company matters.—Relates to a process of dyeing with yellow, orange, and red arele colouring matters which dye cotton without a mordant, especially those derived from phenols. Consists in dissolving these dyes is water rendered strongly alkaline by means of excess of caustic scda, and adding sodium chloride or sulphate, or other equivalent salt up to the point of precipitation of the colouring matter at a low temperature. Cotton dyes in such a mixture until the bath is almost ex hausted. Before rinsing the cotton

it is passed shrough a bath of acidulated water, whereby the colour is fixed. By addition of about three-eighths of the original quantities of colouring matter, soda, and water to the bath, it is ready for dyeing a fresh quantity of cotton, and so on indefinitely. [4]d.]

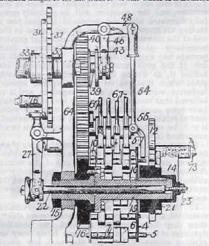
the bath, it is ready for dveing a firsh quantity of cotton, and so on indefinitely. [4]d.]

350. Jan. 8, 1889. Dyeing. W. Mather, Salford Iron Works, Manchester.—[V. G. Bloode; Baltimore, U.S.d.)
Relates to a process for tinting fabrics with insoluble colouring matters, such as earbon, metallic exides, and misoluble precipitates. Consists in passing the fabric through water, or preferably a more viscid liquid, containing the finely divided colouring matter in suspension. Two kinds of ducid matter are employed, viz., starch or gum, which can be subsequently washed out of the fabric, or asponified fatty matters, which may be subsequently rendered insoluble by a calcium chloride or other chemical bath. The viscid liquid, containing the colouring matter, may be of pasty consistency, and may be painted on the fabric, or applied by means of a Scotch mangle, consisting of a pair of pressing rollers, the lower one of wood, revolving, in the paste tub, and the upper one of metal, rotating at a greater surface speed than the lower one. [6]d. No Densings. E. Hollinowers, Dobcross

455. Jan. 10, 1889. Looms. E. Hollingworth, Doboross Ironworks, near Huddersfield, -(W. Waine; Worcester, Massa-

weeks, hear randometets, U.S. A.)

Arrangements are described for governhange-box motions.—Arrangements are described for govern-Change-box motions.—Arrangements are described for governing the motion of the pattern surface in looms for weaving
stripes, checks, and other like patterns. The main pattern
surface is composed of links 4, with pins or stude 5, which
orry rolless 6 and tubes 7, and which project or not to form
an asxiliary pattern surface. The chain is mounted on a
spool, which is loose on a fixed stud, and which carries
notehed flanges 10 for the stude 5. A star wheel 12 is mounted



loosely on the spool, and is held between a swell flange and a collar 14 fast on the spool. A spring pin 73 ordinarily connects the collar 14 and star wheel 12. The latter is driven by pin wheel 21, mounted to slide on a sleeve 19, and screwed at 23 to a slide shaft 22. The sleeve 19 is driven through spor gearing 16, 64, and 40 from a suitably driven spr wheel (not shewn). The pin wheel 21 is held in and out of gear, ace rding to the action on a spring lever 27 of a cam plate 31 which is mounted on the boss of a star wheel 37 loose on a fixed stud 33. A shaft 39, capable of sliding in the wheel 40, and driven from the latter by a flange pin 43, carries a pin wheel (not shewn) for driving the star wheel 37 when required. This pin wheel is put in and out of gear by the action on the slide whaft 89 of a spring lever 40, 48, which is connected by a rod 54 with a lever 55 formed with a foot 57. When a projecting pin 5 raises the foot 67, the chain motion continues, but if a short pin comes beneath the foot the latter descends by spring action, the cam plate is turved as a continued of gear for repeats. When the cam plate is turved a certain distance the parts resume their original positions, and the chain moves on. By removing the pin 73 the chain may

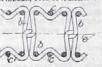
be formed by hand for finding broken picks, stc. A similar pin 76, connecting the cam 31 and wheel 37, may be withdrawn for adjusting the cam 31 and wheel 37, may be withdrawn for adjusting the cam 31 and wheel 37, may be withdrawn for all the loom are shewn at 67. [84d.]

376. Jan. 8, 1889. Mordants and mordanting. W. L. Wiss, 46, Lincoln's Inn Fields, London.—M. and Gallow. Hockst al M. in, Germans.)

Relates to the production and use of chrome mordanting substances. Chromium chromate, Cr. (Cr04; 3, is produced by precipitating chromic hydrate from chrome alum by means of crystall sed sods and ammoniacal sods and dissolving the pasts after washing and pressing in chromic acid. Chromium sulphate chromate, Cr. SG4C1O4 (OHIz, is produced by dissolving the chromic hydrate paste from alum in chromic acid and sulphuric acid in molecular proportions. This salt may also be produced by double decomposition by dissolving the chromic hydrate paste in concentrated sulphuric acid and ing to the solution sodium or potassium chromate, or sedium bichr mate in the proportion of two molecules of sulphuric acid to one of chen mic acid. Analogous compounds are obtained by substituting hydrochloue, nitrie, or acetic acid for sulphuric acid. The preparation of these chrome mordants for use in dyeing and printing consists, when the darkest shades are required, in adopting a strength corresponding to the use of 200 grains of chrome alum per litre of solution. By diffusing with water or mixing with thickening other mordants and printing colours for light shades are obtained. Chump mordants are made up by adding magnesium aestate to the chromium mordants. A printing colour is prepared by boiling together flour, wheat starch, clive oil, and the above solution of sulphate chromate and magnesium aestate to the chromium mordants are stated by drying and then steaming for about fifteen minutes at a low pressure, or suspending for twenty-four hours in a chamber at 300 R. The fabrics are afterwards passed through weak sods, whiled and dyed i

415. Jan. 9, 1889. Bleaching. A. G. SALAMON, 1, Fen-

ello. Jan. 9, 1000. Including the material to a precision of bleaching vegetable fib. e without he use of chlorine. Consists in subjecting the material to a preliminary cleansing and preparatory treatment, by means of caustic alksl, in the usual manner. The material is then placed in a bath of permangatate of soda for a short time, and immediately afterwards it is placed in a bath of bornax, more or less acturated with sulphurous acid. Finally, the material is washed and put through the usual fluishing processes. [64d. No Druncings.]



cesses. [64d. No Draicings.]

472. Jan. 10, 1889. Pilo Fabrics. H. MCLLER and A. SPINDLER, both of 4. Reiterstrasse, Dilken, Germany.

The pile warps 5 of double were released plush goods are looped into each other or knitted together between the wefts c, at in the manner the west. The pile is cut in the plane of the line '. The arrangement of the loom for weaving the fabric is described. [8]d.]

493. Jan. 10, 1889. Gassing-frames. A. VILLIN, The

cribed. [84d.]

493. Jan. 10, 1889. Gassing-frames. A. Villan, rue des Rogations, Lille, France.

The burners consist of a chamber supplied with compressed or other air and gas by pipes, and having inclined sides of form a narrow orifice or silt at the top, preferably covered with wire gause. The mixing of gas and air may take place at the orifice, or in a separate chamber. The stop-motion consists of a guide-pin, aliding in a box and acting with the rotary triangular shaft to release two levers, the latter of which raises the winding-up bobbin out of contact with the friction driving drum and tocks the guides to one side of the burner. [83d. Drawings.]

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

Agents for procuring Patents and Registering Trade Marks and Designs,

6, Bank St. (Exchange), Manchester

6, tord St., LIVERPOOL; and 323, High Holborn, LOND Largest Patent Agency in Great Britain. " Facts for Inventors" (Pamphlet) sent free on application.

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nt appeared last week, June 7th; it will appear again n

\* This advertisement appeared last week, June 7th; it will appear again next week, June 21st.

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