

by using very dilute solutions of the sulphur blacks, in this instance dispensing with the jigger and using an ordinary vessel which should be started at, say, 100 deg. F. and raised slowly to the boil.

After dyeing with the sulphur dyes, such heavy goods as cords are much improved in feel by a softening bath, which may be only a soap bath, or what gives a better result is a treatment in warm water with soluble oil, which imparts a supple handle. Black itself is rarely wanted in the bulk of corduroys except for greys; sulphur blacks have replaced, to a great extent the direct blacks as well as the diazotised blacks, the chief reason being the ease with which solid level shades may be obtained.

Mode shades and olives of all depths may be dyed by using small percentages of sulphur black along with yellows and browns, the colors thus obtained being particularly noted for fastness. The Dyer and Calico Printer.

PRECAUTIONS WITH HYDROSULPHITE VATS.

IN using hydrosulphite vats care must be taken to observe the following rules:

(a) If the water available is hard, it must be softened previous to using with hydrosulphite and caustic soda in the proportion of about 4 oz. each of sodium hydrate and sodium hydrosulphite per 100 gallons of moderately hard water. With hard water some of the dye will probably be precipitated, and that much of an expensive dyestuff is wasted. The dyeings, moreover, will be dirty and liable to rub.

(b) The temperature prescribed by the dyestuff manufacturer must be rigidly observed.

(c) Oxidation of the dyebath during dyeing must be prevented, or the dyeings will be inferior, and will rub considerably. The goods themselves must also be protected from oxidation during their stay in the bath.

(d) Care must be taken that the dye is sufficiently reduced; in other words that enough hydrosulphite and alkali are present to keep the dye in solution throughout the dyeing process.

(e) It is most important that the wringing should be done thoroughly and uniformly immediately after lifting.



Starch

We manufacture Starch especially for warp sizing. Lays the cotton fibre, increases the tensile strength, gives the proper feel, separates, draws in or ties in and weaves well.



If you want to know what we can do for your mill in better results and increased production write

CORN PRODUCTS REFINING CO.
NEW YORK

Starch

AMERICAN DYEWOOD Co.

THE
DEVELOPMENT
OF
HEMATINE

SEND FOR SHADE BOOK NO. 800P

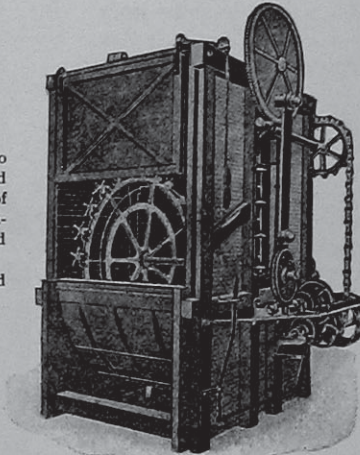
NEW YORK PHILADELPHIA
BOSTON HAMILTON, ONT.

20 PER CENT. SAVED

Silk manufacturers should realize the economies in dyeing obtained by the use of the Klauder-Weldon Silk Skein Dyeing Machines.

Fully twenty per cent. in the waste produced in winding, besides seconds in weaving, is saved by their use.

These are facts. Once perceived by the silk manufacturers, they will require their dyers to use these machines.



Simple to operate and are made of the best materials and by the best skilled labor.

Will handle fine tram or skein singles without any damage to the fibers.

SILK SKEIN DYEING MACHINE

These machines will do perfect work on all qualities and colors of silk, both reel and spun.

Made in sizes to dye from 25 to 200 pounds per batch.

The Klauder-Weldon Dyeing Machine Company
Huddersfield, England AMSTERDAM, N. Y.

THE
TEXTILE-FINISHING MACHINERY COMPANY

Providence, Rhode Island, U. S. A.

Complete Plants of
BLEACHING, DYEING, DRYING, PRINTING AND FINISHING MACHINERY

For all Kinds of
TEXTILE GOODS AND YARNS

MAKERS FOR **YARN AND KNIT GOODS**
CLOTH,

MERCERIZING MACHINERY FOR YARNS and PIECE GOODS

Estimates Furnished for Complete Outfits

FILTERS and WATER SOFTENERS



Hungerford Filters having an aggregate capacity of over thirty million gallons per day are now in operation in the textile mills of America :: :: :: :: ::

Estimates and plans for proposed installations submitted without cost

HUNGERFORD & TERRY, Inc.
PENNA. BLDG., PHILADELPHIA, PA.

AMOS H. HALL SON & CO.,
ESTABLISHED 1868.

Cedar and Cypress Vats and Tanks.

For Bleaching, Dyeing, Finishing.

Tanks for all purposes.



2915-2933 N. Second St., Philadelphia, Pa.

**EASILY
LEVELING
COLORS**

CASSELLA COLOR COMPANY
BOSTON PROVIDENCE

For Ladies' Dress Goods
FASHIONABLE SHADES
Fast to Washing and Light

182-184 Front Street, - NEW YORK
PHILADELPHIA ATLANTA MONTREAL

Singeing Textile Fabrics by Electricity.

As is well known, the singeing of textile fabrics involves the removal, by superficial combustion, of the pile, fuzz or nap from its face. Attempts have been

rapid singeing. Said bars, of relatively much greater cross section, require, to bring them to incandescence, a very intensive current. The resistance of such bars being small, compels resort to generators of low tension, involving the use of conductors of considerable section and expensive connections.

These disadvantages are avoided in the new device by using a pair of bars constituting part of the secondary circuit of an induction transformer whose primary circuit is supplied by a current of normal tension.

To better explain the construction and operation of

(Continued on page xvi.)

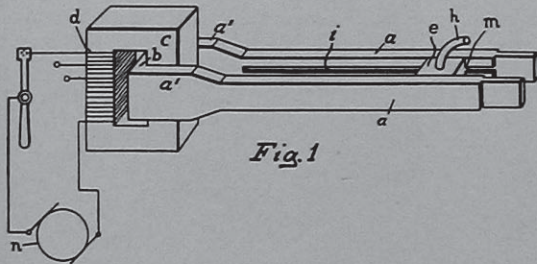


Fig. 1

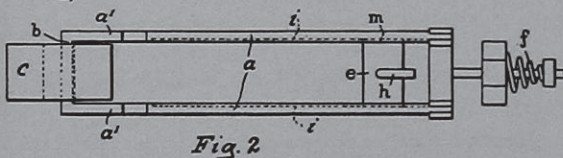


Fig. 2

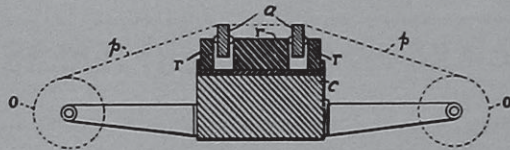


Fig. 3

made to so singe such fabrics by moving them in proximity to metallic wires, or bars, heated by electricity. Such wires, being of relatively small cross section, have proved unable to supply sufficient heat for

YOU CAN'T SPOT

AntiStain SPOTPROOF SILKS

WITH WATER.

This is a positive guarantee.

THE SCHWARZWAELDER CO.

301-303 Cherry St. Philadelphia, Pa.

A. W. BUHLMANN

**TEXTILE
ENGINEER**

487 Broadway - NEW YORK
SILK EXCHANGE BUILDING

IMPORTER OF TEXTILE MACHINERY

AMERICAN REPRESENTATIVE OF

THE HERM. SCHROERS MASCHINENFABRIK of KREFELD, Germany. Largest concern building Silk Machinery exclusively. Employing 800 people. Established 1875.

THE FRANZ MUELLER WORKS of M. GLADBACH Creators of the Famous MUELLER NAPPER.

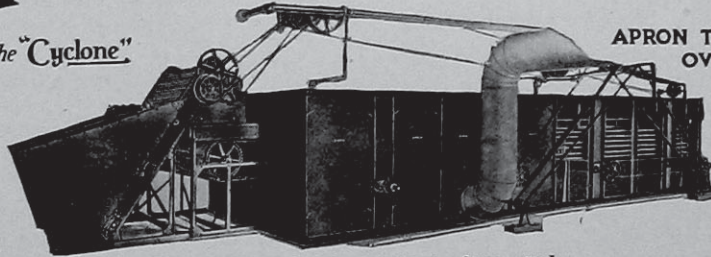
THE ST. GEORGEN MASCHINENFABRIK, ZURICH. Builders of the Automatic Skein Mercerizing Machine. Established 1833.

RICHARD FRERES, LYON, FRANCE. Well-known builders of SILK FINISHING MACHINERY.

PROCTOR DRYERS FIRE PROOF BUILT of METAL

Formerly the "Cyclone"

YARN DRYERS
COTTON STOCK DRYERS
WOOL DRYERS
HOSIERY DRYERS
CLOTH DRYERS
CARBONIZING OUTFITS
YARN SCOURING MACHINES
VENTILATING FANS



Proctor Dryer Panels removed from end

APRON TROUBLES
OVERCOME BY

The INTERLOCKING
CHAIN CONVEYOR
"It needs no adjustment"
THE PHILA. TEXTILE
MACHINERY CO.
HANCOCK and SOMERSET STS.
PHILADELPHIA PA.
Address Dept. T

CHEMICAL AND PHYSICAL LABORATORIES OF
Dr. Chas. F. McKenna. HUDSON TERMINAL,
NEW YORK CITY.
Consulting and General Practise in Chemistry,
Technology, Chemical Engineering and
Chemico-Legal Cases.
TREATMENT OF WATER. PROBLEMS OF WASTES.
TESTS OF MATERIALS.

CURTIS & MARBLE MACHINE CO.
MANUFACTURERS OF
WOOL BURRING, PICKING AND MIXING MACHINERY
CLOTH-FINISHING MACHINERY
FOR COTTON, WOOLEN, WORSTED AND FELT GOODS,
PLUSHES, VELVETS, CORDUROYS, CARPETS,
RUGS, MATS, ETC.
SINGLE OR DOUBLE WOOLEN SHEARING MACHINES
WITH PLAIN OR LIST-SAVING RESTS.
Successors to
ATLAS FOUNDRY AND MACHINE CO., Irvington, N. J.,
and MILLER PRESS AND MACHINE CO., Woonsocket, R. I.
Also to the Shearing Machine Department of
WOONSOCKET NAPPING MACHINERY CO.
WORCESTER, MASS.

DR. CHAUNCEY G. HELICK
ARCHITECT and ENGINEER
Mill Construction Reinforced Concrete 413 Walnut Street
PHILADELPHIA

SCHOLLER BROS. CO.
Textile Specialties
SOAPS, SOFTENERS, OILS, ETC.
OFFICE AND WORKS
Amber and Westmoreland Streets
PHILADELPHIA, PA.

Hotel Cumberland

NEW YORK CITY
Broadway at 54th Street
Near 50th St. Subway Station,
53d St. "L" and all surface lines
Near Depots, Shops and
Central Park
New and Fireproof
Strictly First Class
Rates Reasonable
**\$2.50 with Bath,
and up**
All hardwood floors and Oriental
Rugs. Ten minutes walk to twenty
Theatres. Excellent Restaurant.
Prices moderate.
Send for Booklet
HARRY P. STIMSON
Formerly with Hotel Imperial
R. J. BINGHAM
Formerly with Hotel Woodward

SPEED & STEPHENSON

170 Summer Street, BOSTON, MASS.
IMPORTERS OF
Woolen and Worsted Machinery
SOLE AGENTS FOR
JOHN HETHERINGTON & SONS, LTD.
Woolen & Worsted Machinery
including the Duplex Woolen Cards, with
Joseph's Tape Condensers which give a
greater production and better work than
with Condensers of other make.
JOHN DAWSON, LTD.
Wool Washers, Carbonizing and Neutralizing
Machines

ESTABLISHED 1885
John Eplers Machine Works, 629 Filbert St., Phila., Pa.
Manufacturers of
Latest Improved Cop Tube and Cone Machinery
of all kinds and
Upright Knitting Machinery for Millinery
DRESS AND UPHOLSTERY TRIMMINGS

JOHN C. EDWARDS NATHAN HEARD LOUIS C. SMITH
CROSBY & GREGORY
 Established 1854.
 Old South Building -- Boston, Massachusetts
PATENTS AND PATENT CAUSES
 Textile Work a Specialty

GET 'EM FROM THE DYE STICK KING
 Different from the usual junk.
Natural Round Water-Grown Cedar and Special Hardwoods
 We have cultivated and manufactured millions during 25 years and can save you money. Satisfied customers everywhere. We have "sumthin'" for you, Mr. Dyer—write us:
E. M. HAEDRICH, Mariner & Merchant Bldg., Philadelphia, Pa.

KILBURN, LINCOLN & COMPANY
LOOMS FOR
COTTON AND SILK WEAVING
 FALL RIVER, MASS.

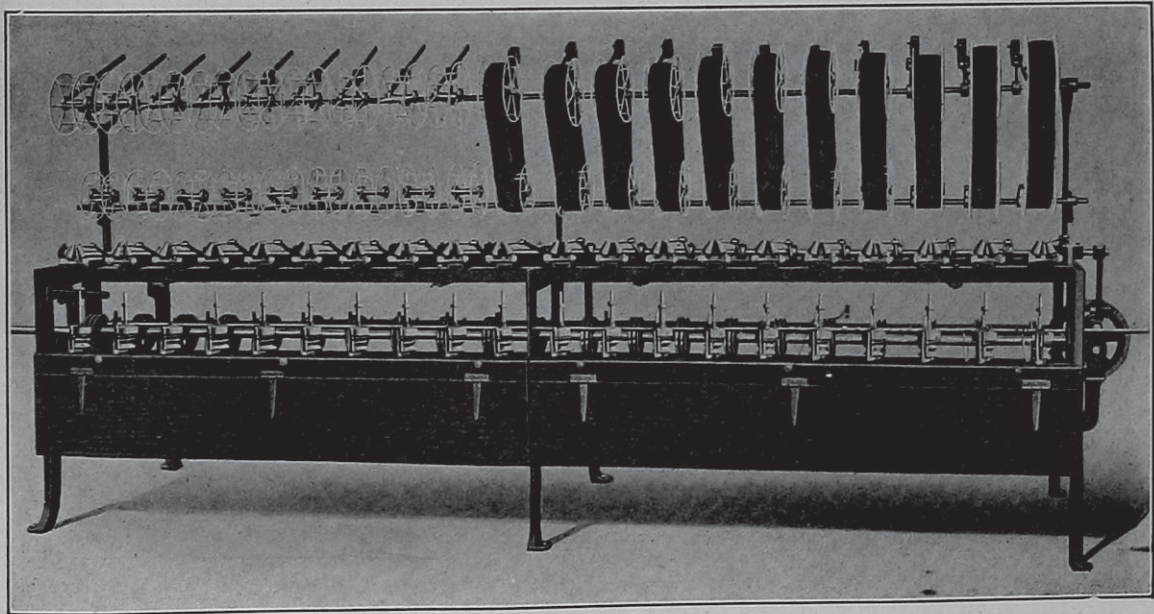
HOWSON AND HOWSON
ATTORNEYS AT LAW
 West End Building, 32 S. Broad Street
 Philadelphia
SOLICITORS OF PATENTS New York, 38 Park Row
 Washington, 918 F Street

THE SCHAELLIBAUM GRID
 is overhauled free of cost whenever desirable. Change of working conditions requires different setting for best results, no matter what grid is used. If you ever see grids of ours that do not in every respect give superior results, it is because people failed to advise us in such cases, or neglected the machines in a way to affect the draught.
THE ROB. SCHAELLIBAUM CO.
 288 DYER STREET :: PROVIDENCE, R. I.

MARSHALL BROS., Agts.
 Manufacturers of
BOBBINS and SPOOLS
 For Cotton, Woolen, Worsted and Silk Factories
 Adams and Frankford Aves. Philadelphia
 FRANKFORD

SILK MACHINERY
New and Not New
E. B. HINDLEY
 No. 1 to 9 Mill St. PATERSON, N. J.

OSWALD LEVER CO., Inc., BUILDERS OF
 LEHIGH AVE. AND HOPE ST. TEXTILE MACHINERY
PHILADELPHIA, PA



This is the Most Suitable Machine for Winding Fine Cotton, Worsted, Dupion and Silk On Paper Tubes or Quills Equally Successfully

CIBA DYES

CIBA BLUE CIBA BORDEAUX
CIBA VIOLET CIBA SCARLET
CIBA RED CIBA HELIOTROPE

Vat Dyes for Cotton Dyeing and Printing—also for Wool and Silk.

CIBANON YELLOW, BROWN, ORANGE

Vat Dyes for Cotton Dyeing—Fast to Light, Chlorine and Washing.

Made by **SOCIETY of CHEMICAL INDUSTRY, BASLE**

A. Klipstein & Co., : New York, : American Agents

SINGEING BY ELECTRICITY.

(Continued from page xiii.)

the new device the accompanying three illustrations are given and of which Fig. 1 is a diagrammatic perspective view of said devices; Fig. 2 is a plan of Fig. 1; and Fig. 3 is a diagrammatic cross section.

Referring to the illustrations, *a* are the heating bars, composed of comparatively infusible metal, such as nickel or its alloys, these bars being connected by the extension *b*, disposed to pass through electro-magnetic core *c*, another portion of which is wound with the primary coil *d*, connected with source of electrical energy *n*; the said bars *a* thus constitute part of the secondary circuit of the transformer. *e* is a movable electro-conducting member contacting with each of said bars to complete the secondary circuit. *f* is a spring, disposed to exert tension upon the bars and maintain their rectilinearity during contraction and expansion due to variations in temperature.

It will be observed that those portions *a'* of the secondary circuit, more proximately disposed relatively to the core, are of considerably greater cross section than those parts constituting the singeing bars *a*, whereby, owing to their resulting increased resistance, the latter can be raised to the required high temperatures without unduly heating the primary circuit.

Fig. 3 illustrates the bars *a* surrounded in part by refractory material *r* whereby loss of heat by radiation is diminished.

An important feature of the new device is the connecting bridge or movable conducting member *e*, which enables us to limit the heated extent of said bars.

It will be observed that those portions *a'* of the moved over the bars in contact with the latter, whereby considerable heat is withdrawn from the bars and their temperature, at the portions so contacted, kept down sufficiently to prevent unduly burning the fabric.

Those portions of the bars located outside of said zone of contact by the fabric, retain much higher temperatures than those parts so contacted, with the result that, except for said movable member, the selvages of the fabric would be likely to be undesirably burned, as the fabric sways slightly in its passage, by contact with the outlying undesirably heated portions of the bars. By imparting movability to the said bridge *e*, we are enabled to regulate the length of the heated portions of the bars to suit the varying widths of fabric singed, whereby the previously referred to difficulty is obviated.

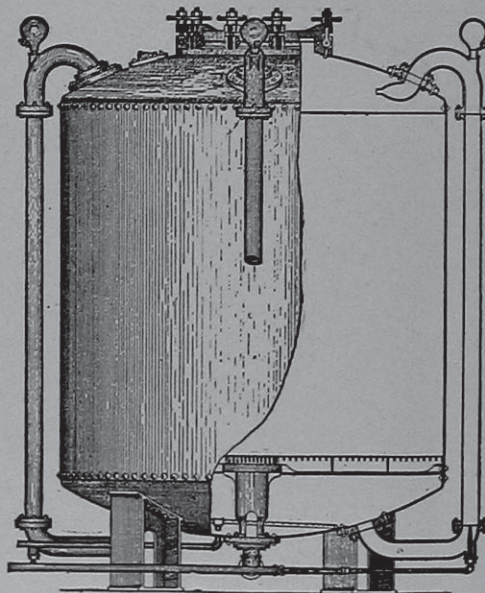
The required movable support is imparted to the bridge *e* by providing it with lateral flanges *m*, adapted to be received, and slide in grooves *i* on the inner sides of bars *a*, thus permitting bridge *e* to be pushed manually by the operator to the exact position required. To facilitate such manual operation, a handle *h* is annexed to said bridge *e*.

THE OPERATION OF THE DEVICE.

The movable member of conducting bridge *e* being moved, adjusted and left in place to correspond with the width of the particular fabric to be treated and the current turned on, the fabric is reeled rapidly over in contact with the bars, as diagrammatically illustrated in Fig. 3, the reels being indicated by the dotted circles *o* and the fabric by these and the straight dotted lines *p*.

The duplication of the singeing bars, as shown, facilitates, and renders more thorough the singeing required.

WM. ALLEN SONS CO.
65 Green Street, WORCESTER, MASS.



Patent Bleaching Kiers
Dye and Bleaching Tanks, Steam Boxes, Boilers, Etc.
Plate Iron Work of Every Description

BOOKS ON TEXTILE SUBJECTS.

- Wool Dyeing (Part 1)**, by W. M. Gardner. Price \$2.00.
TABLE OF CONTENTS: Fibre, Scouring, Bleaching, Water, Mordants, Assistants and other Chemicals.
- Wool Dyeing (Part 2)**, by Gardner and Knaggs. \$3.00.
TABLE OF CONTENTS: Classification of Coloring Matters; Natural Dyestuffs: Logwood, Redwoods, Madder, Cochineal, Kermes and Lac-dye, Orchil; Cudbear and Allied Coloring Matters, Yellow-Dyes, Indigo; Artificial Dyestuffs: Classification of Coal-tar Dyes, Artificial Mordant Dyes, Acid Mordant Dyes, Acid Dyes, Direct Cotton Dyes Suitable for Wool, Basic Dyes, Dyes Applied by Oxidation, Reduction and other Special Processes, Metallic Dyes, Methods of Dyeing Wool in Various Forms, Suitability of Dyes for Different Classes of Work, The Theory of Wool Dyeing.
- The Dyeing of Cotton Fabrics**, by F. Beech. Price \$3.00.
TABLE OF CONTENTS: Fibre; Action of Alkalies, Acids and Oxidising Agents; Bleaching; Dyeing Machinery and Manipulations; Principles and Practice of Cotton Dyeing; Dyeing Unions, Cotton-Wool, Cotton-Silk; Washing, Soaping, Drying; Testing Color; Experimental Dyeing and Comparative Dye Testing.
- Silk Dyeing Printing and Finishing**, by G. H. Hurst. Price \$2.00.
TABLE OF CONTENTS: Fibres; Bolling Off; Bleaching; Dyeing Blacks and Fancy Colors; Weighting; Dyeing Mixed Fabrics; Printing; Dyeing and Finishing Machinery and Processes.
- Dyeing of Textile Fabrics**, by Hummel and Hasluck. Price \$2.00.
Three Volumes Bound in One.
Vol. 1: Textile Fabrics and Their Preparation for Dyeing.
Vol. 2: Coloring Matters for Dyeing Textile Fabrics.
Vol. 3: Mordants, Methods and Machines used in Dyeing.
- Wool, Cotton, Silk; Fibre to Finished Fabric**, by Posselt. Price \$7.50.
TABLE OF CONTENTS: Raw Materials; Preparatory Processes; Carding, Drawing, Spinning and Twisting; Winding, Warming; Weaving Machinery and Supplies; Knitting, Processes and Machinery; Dyeing, Bleaching, Mercerizing, Processes and Machinery; Finishing, Processes and Machinery; Heat, Power and Transmission.
- Color in Woven Design**, by R. Beaumont. Price \$7.50.
This work contains on 32 plates 126 colored illustrations of Diagrams illustrating the Mixing of Colors; Fancy Yarns, Fancy Cassimeres, Worsteds, Trouserines, Coatings, Suitings, Ladies Dress Goods, Cloakings, Fancy Cotton and Silk Fabrics. Besides said 126 colored illustrations, the work contains 203 illustrations, in black and white, of Weaves and Color-Effects in Fabrics, etc., accompanied by 440 pages of reading matter.
- Chemistry of Dye-Stuffs**, by G. von Georgievics. Price \$4.50.
A textbook presenting to the student in as condensed a form as possible the extremely wide domain of the modern chemistry of dye-stuffs; bringing into prominence all the relations known to subsist between the various dyes and groups of dyes, as well as the connection between color and constitution, since the proper appreciation of these relations forms the main object of color chemistry.
- The Jacquard Machine**, by E. A. Posselt. Price \$3.00.
TABLE OF CONTENTS: Different parts of the Jacquard Machine and its Method of Operation; The Jacquard Harness; The Comberboard; Tying up of Jacquard Harnesses for all kinds of Fabrics, Modifications of the Single Lift Machine; Stamping, Lacing and Repeating of Jacquard Cards; Practical Hints on Jacquard Designing.
- Testing of Yarns and Textile Fabrics**, by J. Herzfeld. Price \$3.50.
A Guide for the Manufacturer and Large Purchaser, who observe definite specifications to insure standard material and workmanship; also giving a collection of tests, both of physical and of chemical nature.
- Woolen Spinning**, by C. Vickerman. Price \$1.75.
TABLE OF CONTENTS: Fibre, Supply, Sorting, Scouring and Drying, Bleaching and Extracting, Dyeing, Burring, Mixing and Oiling, Carding, Spinning, The Mule, Miscellaneous.
- Wool Combing**, by H. Priestman. Price \$1.50.
TABLE OF CONTENTS: Fibre, Washing, Water, Carding, Preparing, Intermediate Processes, Combing, Finishing, Tops and Top Testing.
- Silk Throwing and Waste Silk Spinning**, by H. Rayner. Price \$2.50.
A Treatise on the Principles of Silk Throwing and Waste Silk Spinning, with Illustrations and Descriptions of the Machinery used.
- Textile Calculations**, by E. A. Posselt. Price \$2.00.
A Complete Guide to Calculations Relating to the Construction of All Kinds of Yarns, Fabrics, and the Analysis of Cloth.
- Cotton Spinning**, by T. Thornley. 3 Volumes. Price \$6.50.
A Complete Self-Instructor (with Questions and Answers) on this subject, treating machinery and processes as used abroad.

The above books, as well as any other books on Textile Subjects, no matter where published, sent charges prepaid. Remittances should be made by Check or Money Order, or in Registered Letters. Not responsible for money lost, when otherwise sent.

TEXTILE PUBLISHING COMPANY

Lambert and Berks Sts.

PHILADELPHIA, PA.

WEIMAR BROTHERS

MANUFACTURERS OF

Tapes, Bindings and Narrow Fabrics

2046-48 AMBER STREET
PHILADELPHIA

WHEN QUALITY COUNTS WE GET THE ORDER



Cuts in this Journal are a sample of our work.

A. J. BONNER

SHEET METAL WORKER
Cylinders, Rollers, Spool Drums, Etc.

Ordered Work a Specialty Established 1865

1633 N. SECOND ST. Philadelphia, Pa.

Long Distance Telephone 426

Established 1888

WIDMER BROS.

Silk Ribbon Looms

— BATTONS A SPECIALTY —

108-114 North 7th St.

Paterson, N. J.

K-A Electrical Warp Stop

IS ACTIVE AND UP TO DATE

SUBSTANTIAL EQUIPMENTS NOW IN PROCESS.

REPEAT ORDERS ARE ENDORSEMENTS OF MERIT.

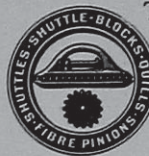
COMPARISON WITH OTHER WARP STOPS INVITED.

K-A STANDS FOR CERTAINTY—SAFETY—SAVING.

K-A Dept.

Mossberg Wrench Company

Central Falls, R. I.

TAPE & RIBBON SHUTTLES
QUILLS, FIBRE PINIONSWRITE ME FOR PRICES
BEFORE ORDERING ELSEWHERE

ROBERT G. PRATT, Worcester, Mass.

AVOID SPONTANEOUS COMBUSTION

by the use of

"Breton" Oils for Wool

Write for results of test made by Prof. Ordway, of Massachusetts Institute of Technology, to determine the safest product to be used in oiling wool stock.



BORNE, SCRYMSER COMPANY

80 South Street, New York

BOSTON

FALL RIVER

PHILADELPHIA

AIR CONDITIONING FOR TEXTILE MILLS.

(Continued from May issue.)

Another construction of a Humidifier lately patented, is shown in the accompanying four illustrations Figs. 15, 16, 17 and 18, and of which Fig. 15 is a side elevation, partly in section, of the apparatus; Fig. 16 is an view of the same; Fig. 17 is a side elevation of a collapsible frame, having wetted surfaces thereon, when in its expanded position; and Fig. 18 is an end elevation of the casing, showing also the frame in its folded position while being introduced into the casing.

This humidifier relates to that class in which moisture is obtained from evaporation from wetted surfaces.

A description of the construction of this humidifier is best given by quoting letters of reference accompanying the illustrations, and of which *a* indicates the casing of the apparatus; *b* its head, fitted to one end of the casing, it being a circular flange provided with a base supporting one end of the apparatus, and having a closed lower portion for retaining the fluid and permitting the egress of the humidified air.

The opposite end of the casing is provided with a flanged ring *c*, having a base similar in shape to that of *b*, and an arm *d*, to which is bolted a motor, operating a fan which forces air through the casing.

A D-shaped partition *e* spans the end of the casing inside of the fan, forming, with the solid part of the head *b*, a water reservoir, which is normally filled with water to the point shown by the water line *f* in Fig. 15.

The frame carrying the wetted surfaces is made of lengths of bent wire *g* pivotally connected to each other so that they may be folded for introduction into the casing, or removal therefrom. Two small castings *h* and *i*, connected by rod or tube *k*, are provided with a number of holes into which the ends of the bent wires are introduced, as shown in Fig. 15 and 16. These wires are made in pairs, the two wires of each being of the same size, and the pairs being of graded sizes, decreasing in size from the centre out-

ward. The outer pairs are thus adapted to rest against the sides of the casing when the frame is expanded, as shown in Fig. 16.

When the frame is to be introduced into the casing, it is covered with cloth or other fibrous material

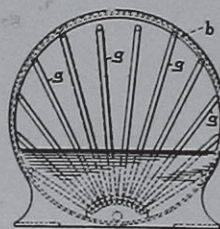
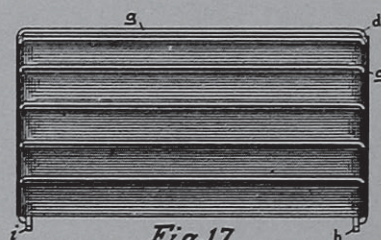
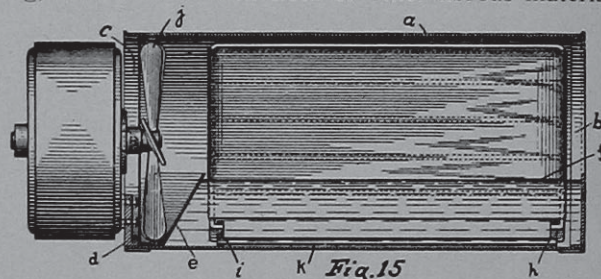


Fig. 16

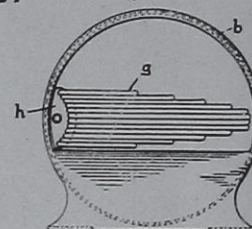


Fig. 18

suitable for absorbing and retaining moisture, folded as shown in Fig. 18, and passed through the open end of shell.

The casting *h* and *i* are then placed in the lower part of the casing and the frame expanded to the position shown in Fig. 16. The reservoir portion of the casing being filled with water, air is forced past the wetted surfaces and out of the casing by means of the fan *j*.

INNIS, SPEIDEN & CO.

Established 1816 - - - - - Incorporated 1906

Importers of

Aniline Colors & Dyestuffs

Electrolytic Caustic Potash
Carbonate Potash

46 Cliff St., New York

Boston: 220 Congress St. Philadelphia: 147 S. Front St. Chicago: 9 & 11 W. Michigan St.

HARDING & FANCOURT INC. KENSINGTON SOAP WORKS

TUSCAN SOFTENER TEXTILE SOAPS OF QUALITY

Green Olive Soap a Specialty

Importers Olive Oil. Turkey Red
and Soluble Oils

1095 Germantown Ave - PHILA. PA.

YARN AND CLOTH TESTERS

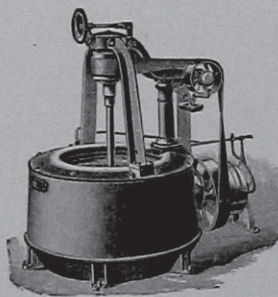
REELS, SCALES

TWIST COUNTERS

YARN INSPECTORS, &C.

MADE BY

HENRY L. SCOTT & Co.
PROVIDENCE, RHODE ISLAND



SELF-BALANCING Hydro-Extractors

Belt, Engine
and Motor Driven.

Reel Dyeing Machines

HYDRAULIC
CUTTING PRESS

**TOLHURST
MACHINE WORKS**
TROY, N. Y.

REX DYEING COMPANY

Dyers of Hosiery and Skein Yarn

MAIN OFFICE, 3301 AMBER STREET
WORKS, FRANKFORD AVE. AND WILLARD STREET
PHILADELPHIA, PA.

HICKORY PICKER STICKS



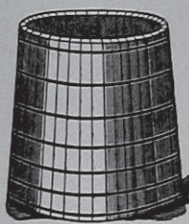
SHAFTING, HANGERS, PULLEYS AND
TEXTILE MILL SUPPLIES

MANUFACTURERS OF

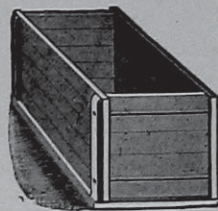
OAK LEATHER BELTING

CHARLES BOND COMPANY
520 ARCH STREET PHILADELPHIA, PA

G. WOOLFORD WOOD TANK MFG. Co.



TANKS
VATS
AND
DYE
TUBS



FOR ALL PURPOSES

1429 Chestnut St.

Philadelphia

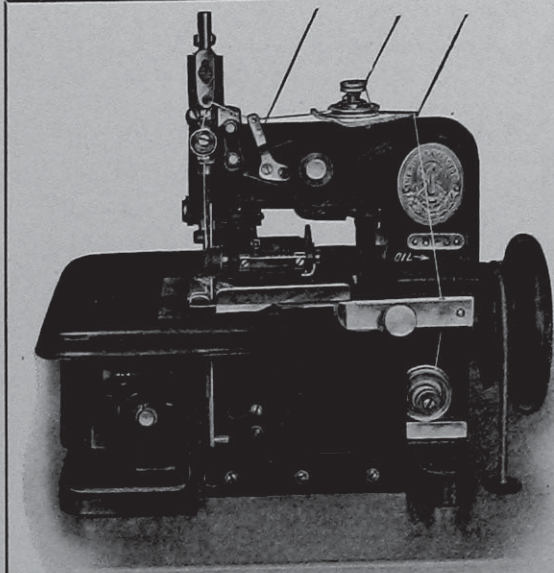
Calder Machine Works

420 North Third Street
PHILADELPHIA, PA.

Spindles, Flyers, Caps, Tubes
and all parts for

WORSTED AND SILK SPINNING

SPINDLES AND FLYERS CORRECTLY REPAIRED



SINGER MACHINE No. 81-3

Latest ^{AND} Best ^{FOR} Trimming AND Overedging Knit Goods

Can be used at the highest practical speed for all Seaming, Hemming, Putting on Cuffs, Sewing on Borders, Edging Armholes, Necks, Collarettes and Bottom of Garments; making a smooth, firm and sightly seam, that is entirely finished when it leaves the machine

FREE SAMPLES OF WORK
FURNISHED ON APPLICATION

Singer Sewing Machine Co., Room 3617
Singer Building
NEW YORK

Permanent Crinkled Effects.

The lustrous crinkled effect that is produced upon cotton fabrics by means of the Ribbed or Schreiner calender is eradicated by exposure to moist air, or when the fabric is iron. Due to this condition the use is somewhat restricted.

Lately the effect has found considerable favor and in order that practical use may be made of the same, it is necessary to use, in connection with the process, a suitable body-giving substance which will not be affected by either element.

One method suggested is that of treating the fabric with collodion in solution after calendering. This process is both expensive and dangerous and is susceptible to the element of heat.

A recent process of accomplishing proper results is by Dr. Kraus. It consists of using amyloformate made from isoamyl alcohol as a solvent for cellulose. After the isoamyl alcohol has evaporated, the solution of nitro-cellulose forms a perfect protection, both against moisture as well as the heat of ironing, and there is no danger of ignition during its application, formate of amylo being incombustible.

A solution of five per cent of nitro-cellulose is the usual strength

and is applied to the fabric by sprinkling, evaporation then being very evident.

After this first sprinkling has thoroughly dried, a second sprinkling is recommended for high class goods.

One point to take into consideration, when using this process, is that nitro-cellulose possesses a certain lustre of its own, which may not combine with calender lustre. In such cases it is suggested that the solution of amyloformate be used (as little as possible) in proportion.

Another system is that suggested by Dr. Daring. This is based on the principle of the application of albumen.

The process overcomes all dis-

advantages, leaving nothing whatever to be desired as to results, although the process is slow and requires skilled manipulation.

The results are obtained in the following manner:

Previous to calendering, the fabric is soaked with a solution of egg or blood albumen, the latter having been previously bleached, if necessary, and the fabric then dried at a temperature low enough to protect the albumen from coagulation.

If the calendering is done with hot cylinders coagulation takes place during said process, or it may be effected immediately after calendering by steaming or treatment with formaldehyde, provided the calendering is done cold.

F. WEBER & Co.

ST. LOUIS

1125 CHESTNUT ST., PHILADELPHIA

BALTIMORE

Artists' and Designers' Materials

DESIGNERS' MOIST, DRY AND DISTEMPER COLORS. Finest Qualities of Designers Brushes, Designers' Paper, Drawing Tables and Boards.

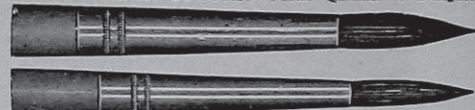
"FABRIANO" HAND-MADE DRAWING PAPER. Quality unsurpassed by any other hand-made papers on the market.

WORKS ON ART. For Textile Workers, Upholsterers, Architects, Sculptors, Engravers, Metal Workers and Designers of all branches. The latest publications constantly received.

TAPESTRY PAINTING AND STENCIL MATERIALS.

CARPET CRAYONS, for spotting out. Made in 72 shades.

General Catalogue of Artists' Materials, Vol. 325, sent on request.



Patterns have been shown abroad of fabrics printed by a lithographic process, whereby several colors are transferred to the cloth at once from a rubber-coated roller. It is reported that a spinning-machinery firm is constructing a machine of full size. The samples are evidence at least that cloths of all thicknesses can be equally treated, and apparently the initial cost for design is less than that for the rollers. Veilings, cushion squares, and other small articles have been printed upon an experimental machine.

A new process for drying and finishing yarns and fabrics after dyeing and while they are still wet, consists of entering the goods into a calender and where they are pressed dry, over their whole width, by rollers, one of which is heated.

It is contended that in this way the surface of the goods assumes the form of the heated roller so that either *plain*, *rib*, or *wavy* effects may be imparted to the goods under operation, and which effects are not removed by either steam, water or heat.

MILL NEWS.

Philadelphia. The Lehigh Silk Finishing Works, 3rd and Huntingdon streets, and of which Frank Oeser is supt., has installed the necessary machinery for finishing and moiréing silk goods.

Philadelphia. T. E. Kremer & Co., manufacturers of underwear, are operating their entire plant on a full time schedule and report that they have enough orders on hand to keep them well employed until October.

Philadelphia. Wolstenholme & Clarke, spinners of worsted yarns, have discontinued their plant at Baker and Mallory streets, Manayunk, and combined the same with their large plant at Twenty-fifth street and Allegheny avenue.

Philadelphia. Henry Holmes & Sons, manufacturers of ingrain carpets and art squares, Trenton avenue and William streets, are running their mills night and day.

Philadelphia. Herbert B. Newton, manufacturer of upholstery fabrics, is operating his plant on a full time schedule.

Philadelphia. The Wick Narrow Fabric Co., by reason of the growth in business of all departments, has leased quarters in the new building, 931-937 Market street, which will give them twice the amount of space now occupied.

Philadelphia. The Fern Rock Woolen Mills are operating a number of their looms on voile dress goods.

Philadelphia. The Notaseme Hosiery Co. report all their plant running on a full time schedule, and that their business is rapidly increasing.

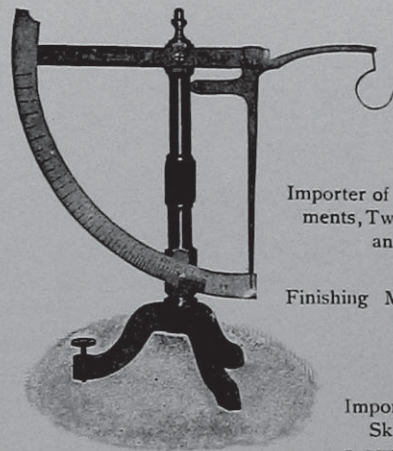
A. SUTER

TEXTILE ENGINEER

487 Broadway
New York

(Silk Exchange Bldg.)

Telephone Spring 2641



INQUIRIES SOLICITED

Importer of Yarn and Cloth Testing Instruments, Twist Measurers, Scales, Strength and Elasticity Measures.

Finishing Machinery of all Kind for all Weaves.

Mill Supplies.

Importer of Schappe on Cops, in Skeins, in Singles and Doubles.

J. VILLARD & CIE, - LYONS

PARKS & WOOLSON MACHINE CO

SPRINGFIELD VERMONT

ESTABLISHED 1826

CLOTH FINISHING MACHINERY

TO					
NAP	GIG	BOIL	WIND	ROLL	SET
SHEAR	STEAM	PERCH	FLEECE	BRUSH	SAND
PUMICE	LUSTER	DOUBLE	SPONGE	WEIGH	POLISH
MOISTEN	INSPECT	MEASURE	YARDMARK	SHRINK	STRETCH
	REFINISH	SPOTPROOF	TRADEMARK	DECATIZE	
ALL KINDS OF MILL BRUSHES		BLADE AND BRUSH REPAIRS		BLADE GRINDERS	

Philadelphia. Mark D. Ring & Co., manufacturers of yarns for the sweater and underwear trade, are very busy.

Philadelphia. Hall-Taylor Co., Inc., manufacturers of cotton worsteds, have resumed operations in both plants, after having been idle for several months.

Philadelphia. The three-story dye works of Andrew Burton Co., Penn street and Bellefield avenue, was partly destroyed by fire causing a loss of \$3,500.

Philadelphia. The Continental Dye Works, dyers of cotton and woolen yarns, knit goods and hosiery, Thompson St., have bought buildings adjoining their property, to provide more space for machinery.

Philadelphia. The Dresden Carpet Co. will occupy the mill recently erected at Richmond and Pacific Streets. The firm consists of James G. Speck, E. C. Read, Sr., and E. C. Read, Jr., the last two are connected with the firm of E. C. Read & Son, carpet manufacturers, 2720 North Hope Street.

Philadelphia. F. P. Woll, manufacturer of curled hair, etc., has awarded contract for the erection of a two-story factory, 50 by 139 feet, with wings 50 by 58 and 56 by 40 feet, at Church and Tacony Streets; to cost \$250,000.

Philadelphia. Joseph Greer has awarded contract for the erection of a two story mill building, 50 by 230 feet, at the southeast corner of Church and Tacony Streets, to cost \$24,000.

Altoona, Pa. It is reported that Schwarzenbach, Huber & Co., who operate a large silk mill here, have started the erection of their new mill at Juniata, which is expected to be completed and ready for operation by November 1st. They are also making a number of improvements in their mills here, at a cost of about \$10,000.

Harrisburg, Pa. The Scharadin Mfg. Co. will move from 1819 Penn street into their new building on Third street; they expect to install some additional machines.

Lenni Mills, Pa. George Brown's Sons, manufacturers of cotton and woolen goods, are erecting a 50 by 90 feet brick addition to their dyehouse.

Middletown, Pa. The Middletown Silk Co. has been incorporated with a capital of \$100,000, by G. Walker, Jr. of this place and J. S. Mack and L. E. Schimpff of Allentown.

New Cumberland, Pa. The Susquehanna Woolen Co., which has been us-

TEXTILE WORKERS BUREAU

The object of this department is to place manufacturers in touch with competent superintendents, designers, overseers, etc., when in need of the same and to put the latter in touch with the most desirable openings in the textile field.

This service is free to subscribers.

This department is under the supervision of Mr. H. Nelson Craig, known to a majority of manufacturers and overseers, and all matters will have his immediate attention.

INQUIRIES FOR HELP

WANTED: BOSS FINISHER by prominent Southern Cotton Mill; a man who has been working on a line of high-grade dress goods. One preferred that has worked in the South. He must thoroughly understand Scouring, Singeing, Wet and Dry Finishing, in fact everything pertaining to the finishing department of the mill, from the time the goods enter the room until they are shipped. Capacity of mill, 24,000 spindles and 700 fancy looms, located in one of the most prominent cities of the South.

A fair size knitting mill located in Pennsylvania is in need of a practical manager for their plant. Must understand the details of the half hose business and be able to handle the manufacturing end entirely.

Overseer of spooling and twisting, young energetic man, is open for a position. O. S. 52.

Boss-fixer, married man, extensive experience on all kinds of cotton goods, desires to make a change. B. F. 53.

Overseer of Drawing, married man, desires position. O. D. 54.

Designer or Assistant to Superintendent. A position of this character is desired by a graduate of the R. I. School who has had practical experience, and can furnish references as to qualifications. Would make a very good assistant for a designer in any cotton mill. D. 57.

Wanted:—"Royle" Fine Scale 1304 Hook Repeater. Send particulars to Lyman Grundy, 19 Market Street, Paterson, N. J.

FOR SALE: Fourteen, 400 hooks, Double-Lift, Double-Cylinder, Thomas Halton, Jacquard Machines, nearly new, having run only about two warps off. Will sell very cheap to close out, excellent condition.

Address: *Schadewald Mills*, Philadelphia, Pa.

MILL NEWS—(Continued)

ing steam power for twenty-two years, will install an electric generator for motive power as well as illumination.

Norristown, Pa. The George W. Watt Woolen Co. has installed a new set of 48-inch cards.

Oley, Pa. It is reported that the Oley Knitting Mills, of which B. A. Eberhart is superintendent, have sufficient business on hand to enable them to operate their entire plant on a full time basis for some months.

Orwigsburg, Pa. Mr. Heisler, formerly of Moyer & Heisler, knit goods manufacturers, has bought out the McWilliams Bros., manufacturers of women's and misses' cotton ribbed underwear. It is reported that Mr. Heisler will install additional machines.

Reading, Pa. The Nolde & Horst Co., hosiery manufacturers, employing 1,600 operatives, report that they have a number of orders on hand and look forward to steady operations for some time.

Schuylkill Haven, Pa. D. D. Coldren, manufacturer of knit goods, underwear, etc., reports that he is well booked with orders for the next season. He is making extensive improvements to his plant.

Scranton, Pa. William H. Kilfour, superintendent of the Ashley Silk Mill has purchased a plot of ground, 300 by 150 feet, which may be used for another silk mill.

Scranton, Pa. The W. A. Lush Silk Mill will build a three story addition, to cost \$7,000. This will enable them to double their present output.

Scranton, Pa. The Alhamola Silk Co. has been incorporated with a capital of \$25,000.

Sinking Springs, Pa. John K. Savage and Lewis W. Gring, of this place, will operate the Sinking Springs Knitting Mills, which is now nearing completion.

South Bethlehem, Pa. The new throwing plant of the Wyandotte Silk Co. is expected to be in operation the latter part of August. The plant is two stories in height, 50 by 100 feet, and is modern in every respect.

Swarthmore, Pa. It is rumored that the Victoria Plush Mills intend, in the near future, to build an addition to their mill at West Branch.

Woolrich, Pa. John Rich & Bros., manufacturers of hosiery, are installing machinery in their new addition.

Alpha, N. J. The Alpha Silk Co. will be organized shortly. John Ramsay & Sons, of Phillipsburg, are backing the enterprise. They will erect a building 55 by 200 feet.

Jersey City, N. J. Milfred Wortham of Washington, Jos. Thomas of Newark and Peter F. Gleason of New York, have incorporated "The Louvre," capital \$10,000, for the manufacture of gloves, hosiery and underwear. The company will have its office at 15 Exchange place.

Mount Holly, N. J. Royle & Pilkington, manufacturers of upholstery goods, report that they are very busy and have installed additional beaming machinery.

Paterson, C. Fiory & Co., printers of silk and cotton skeins for broad silk, etc., of 71 Butler Str., are considering the erection of a new mill to take care of the increased demand for their work. They make a special of printing in black and white.

Waldwick, N. J. Bernard Semel and others have incorporated the Lancashire Bleaching and Finishing Co., capital \$100,000, to bleach, print, dye and finish cotton piece goods.

Albany, N. Y. The Albany Felt Co., manufacturer of paper makers' all wool felts, are operating on a full time schedule.

Brooklyn, N. Y. Otto Rudolph, manufacturer of woolen knit goods, located at 540 Palmetto street, Ridgewood Heights, suffered a loss of \$2,000 by fire.

Canistota, N. Y. The Canistota Silk Co. report that they are working on day and night schedule.

Clark Mills, N. Y. The Hind & Harrison Plush Co., P. W. Copeland, treas., manufacturers of silk and mohair plushes, also cotton velours and cotton yarn, are to erect a two-story building, 200 feet long.

Falconer, N. Y. The Chautauqua Guarantee Hosiery Co., of which Andrew E. Williams is mgr., is installing additional machinery, which when in operation will give employment to 30 operatives.

Fulton, N. Y. The plant of the American Woolen Co. is again in operation, having received a number of large orders.

Glenham, N. Y. The Groveville Carpet Mills have been sold to the Crossleys, the prominent firm of English carpet manufacturers, and the plant, which has been idle for years, will soon start running again.

New York. The Giant Knitting Mills have moved from 110 Grand St. to 467 Broadway; this will give them a chance to double their present floor space.

New York. Sam Lippman, 135 Monroe street; Morris Lippman, Louis Parisir, 460 Grand street, of this city, have incorporated as the Orchard Hosiery and Underwear Co., capital \$10,000.

New York. The plant of Max Meyer & Sons, manufacturers of sweaters, have moved to 569-571 Broadway, corner Prince street, where they have larger quarters.

New York. The Tremont Mills, Julius Jasper, vice-pres. and supt., manufacturing narrow silk ribbons, will build a \$50,000 mill, 56 by 136 feet, four stories, on the southeast corner of Ittner place and Webster avenue.

New York Mills, N. Y. The New York Mills is building a two-story addition, 140 by 20 feet, to its bleachery at the lower mills.

Oswego, N. Y. The new plant of the Last Long Knitting Co. will be ready by September.

Perry, N. Y. The Tempest Knitting Co. has made improvements to their mill while it has been closed down, and expect to be in operation about the middle of this month.

Sherburne, N. Y. The Canasawacta Knitting Co.'s Quarter Mill is installing new spinning machinery and expect to work overtime soon.

Utica, N. Y. The new mill of the Fort Schuyler Knitting Co., on Kemble street, is expected to be completed by October 1st.

SOCIETA per la FILATURA dei CASCAMI di SETA
MILAN (ITALY)

"CASCAMI"

Schappe, Spun Silk, Cordonnets for Sewing
In Skeins, on Cops, Spools, Cones, Beams

In the Gray or Dyed Special attention to regularity of sizes

VILLA, STEARNS COMPANY

487 Broadway, New York

Telephone 7950 Spring Sole Agents for the United States and Canada

VILLA, STEARNS COMPANY

Telephone 7950 Spring 487 Broadway, NEW YORK

RAW AND THROWN SILK
KNITTING SILKS, HOSIERY SILKS
SILK ON SPOOLS, CONES, QUILLS, BEAMS

Dyed Silk for All Purposes

BELTED—STEAM—ELECTRIC

Hundreds in Service **HYDRO** Write for Circulars

EXTRACTORS

—THE KIND FOR HARD SERVICE—

DIENELT & EISENHARDT, Inc.

1304-18 N. HOWARD ST.

PHILADELPHIA

HARWOOD'S MACHINERY

Increases Production, Improves Quality, Decreases Labor Cost

THE BRAMWELL SELF-WEIGHING FEEDER.

For Woolen, Worsted, Hosiery and Shoddy Cards and Garnett Machines.

THE APPERLY FEEDER. STANDARD OR WITH KEMP POSITIVE GEARED TRAVELER.

For Second Breaker and Finisher Cards.

THE GEB COMPENSATOR.

THE BRAMWELL PICKER FEED.

For Burr Pickers, Mixing Pickers, Fearnoughts and Lumpers.

THE SPENCER AUTOMATIC STOCK OILING MACHINE.

For Oiling Stock Automatically in Picker Room.

THE MODERN BRAMWELL FEED FOR WOOL WASHERS AND WOOL DRYERS.

REPAIRS AND IMPROVEMENTS FOR OLD FEEDERS.

APRONS OF ALL KINDS AND BEST QUALITY.

Call on us for particulars and information about all matters relating to Feeding Machinery.

GEO. S. HARWOOD & SON, 53 State St., Boston, Mass.

Utica, N. Y. The Skenandoa Cotton Co. reports having plenty of orders on hand and is running on a full time schedule.

Waverly, N. Y. Work on the new silk mill is now progressing rapidly.

Ballard Vale, Mass. The Ballard Vale Mills Co. have resumed operations on a full time basis.

Clinton, Mass. K. Frankel, together with his brother-in-law, Morris Sheffel, both merchants of this town, will enter into the manufacture of silk fabrics at Paterson, N. J., trading as the United Silk Mfg. Co.

Clinton, Mass. The worsted spinning department of the Victor Mfg. Co., which has been closed down for some time, has resumed operations on a full time basis with a full force of operatives.

East Boston, Mass. Work is progressing rapidly on the erection of the Maverick Cotton Mills, to be equipped with 60,000 spindles.

East Dedham, Mass. The Norfolk Mills of the Cochrane Mfg. Co., manufacturers of carpets and rugs, suffered a loss of \$30,000, by fire. The main damage was in their dyeing and finishing departments, where a large amount of goods was ready for shipping.

Easthampton, Mass. The Hampton Co., converters and mercerizers of yarns and fabrics, is erecting a new mill 120 by 158 feet.

Fall River, Mass. The foundations for the new waste mill at Assonet have been laid. It is expected that the plant will be ready for operation in November.

Fall River, Mass. The Mule room on the top floor of Hargraves Mill No. 1, was considerably damaged by fire.

Fall River, Mass. The directors of the new Charlton Mill have awarded the loom contract to the Crompton & Knowles Loom Co. Between 1,200 and 1,300 looms of this make will be used in the new mill.

Fall River, Mass. The Stafford Mills are again operating their wide looms in conjunction with corresponding portions of their carding and spinning departments.

Farnumsville, Mass. The Wuskanut Mills will increase floor space for their finishing and shipping departments; they also will erect a new office building.

Holyoke, Mass. The William Skinner & Sons Mfg. Co. will occupy the entire Whitcomb Bldg., on Dwight street.

Ipswich, Mass. The Ipswich Mills are building a four story, 83 by 87 feet, brick addition to their finishing plant.

Leominster, Mass. The Rockwell Woolen Co. recently, incorporated with a capital of \$50,000, will carry on the business formerly conducted by the late E. M. Rockwell.

Lowell, Mass. Some of the looms of the Bigelow Carpet Co., which have been operated by steam since 1883, will in the future be operated by electric power, it being the contention that the drive is steadier and consequently easier on the loom.

Lowell, Mass. The Hamilton Manufacturing Co. suffered a loss of \$1,500, caused by fire on the fourth floor of the blue dyehouse.

Lowell, Mass. The building for the Lowell Storage Warehouse Co., 334-60 Jackson St., Wm. M. Lovejoy, mgr., is rapidly nearing completion. It will have a capacity of 150,000 square feet, for the warehousing of manufactured goods, wool, tops and yarns.

Lowell, Mass. Another building to cost about \$22,000 is to be added to the Lowell Textile School, to increase the school's capacity for instruction. The building will be used for dyeing, spinning, etc., and will be 195 by 57 feet, one story and basement.

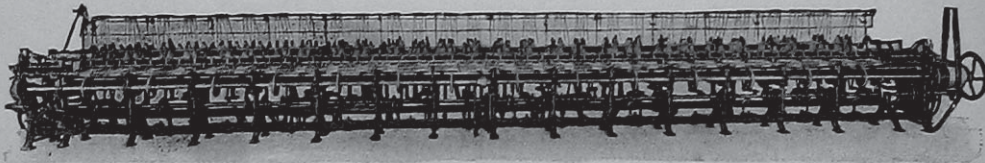
New Bedford, Mass. A new cotton manufacturing corporation, to be known as the "Booth Mill," capitalized at \$1,250,000, is reported. Its equipment is to consist of 50,000 spindles and 1,500 looms. Wm. L. Mauran, of Providence, is quoted as president, and Geo. H. Booth, now agent of the Gosnold Mills, is reported to be the manufacturing agent.

New Bedford, Mass. The Anderson Textile Manufacturing Co., manufacturers of mercerized and tinsel yarns, as well as wrapping twines, now operating 2,000 spindles, have acquired land on Kempton Street, and will erect a modern plant there.

North Adams, Mass. It is reported that William Whitman, the owner of the Mayflower Worsted Mills, proposes operating the plant as soon as possible.

Northampton, Mass. The Nonotuck Silk Co. is erecting a new office building.

North Adams, Mass. The Arnold Print Works report that business has



H. ALBAN LUDWIG, Chemnitz, Saxony

MANUFACTURER OF THE FAMOUS

Ludwig's Full Fashioned Hosiery Machines

(COTTON'S SYSTEM)

SPECIAL IMPORTANT FEATURES: (PAT. DIVIDED NARROWING MACHINE)
(PAT. INTERNAL CAM-MOVEMENT)
(MOVABLE STRIKING-OFF COMBS.)

RIB-TOP MACHINES: LUDWIG'S HIGH SYSTEM—COTTON'S SYSTEM.

LOUIS HIRSCH, Representative for the U. S., 260 West Broadway, NEW YORK CITY

picked up, and for the first time in a couple years, are working on a full and over time basis.

Plymouth, Mass. It is reported that the Puritan Mills of the American Woolen Co. will soon operate on a full time basis; they are rapidly installing new looms.

Riverview, Mass. The factory for the utilization of oxwool, by a secret process, which will give employment to from 50 to 75 men, is ready for operation. The company, of which Dr. Geo. Forrest is pres., is a branch of the Oxford Linen Mills, Brookfield, and has a paid-up capital of \$250,000. It is proposed to use the oxwool in place of cotton, in the manufacture of woolen fabrics.

Salem, Mass. The Naumkeag Steam Cotton Co. is increasing its motive capacity by 2,400 horsepower.

South Acton, Mass. The South Acton Woolen Co. has installed nine new cards and is operating their plant on a full time schedule.

South Royalston, Mass. The plant of the American Woolen Co. is expected to be finished in a short time, when operations will commence.

Taunton, Mass. The Taunton River Silk Mills report that they have plenty of orders on hand and are running full time.

Three Rivers, Mass. The Palmer Mill, of the Otis Co., will build an addition to its weave shed, to provide room for about 1,000 additional looms; their present equipment consists of 1,200 looms.

Zebulon, N. C. The Zebulon Hosiery Mills, T. J. Horton, pres., have completed their new dyeing and finishing plant. They expect to be in operation by September.

Greystone, R. I. Joseph Benn & Sons, Inc., have increased the capacity of the sorting department by the addition of 12 new benches.

Lymansville, R. I. The Lymansville Co., who are reported to be working on a full time schedule, will work overtime as soon as the weather is cooler. They are overrun with orders.

Esmond, R. I. The Esmond Mfg. Co. is running on a day and night schedule.

Olneyville, R. I. The Continental Worsted Mills report that they are operating on a day and night schedule.

Pawtucket, R. I. The Slater Mfg. Co. will erect a new warehouse and picker room, of brick construction, at an estimated cost of \$30,000.

Pawtucket, R. I. The Home Bleach & Dye Works, due to the large orders received daily, are operating on a day and night schedule.

Pawtucket, R. I. The Dexter Yarn Co. suffered a loss of \$3,000, to the stock and machinery, caused by fire and water in their mule shed.

Providence, R. I. The American Silk Spinning Co. report that they will add additional machinery, increasing their equipment to 15,000 spindles, thus enabling them to double their capacity.

River Point, R. I. The Continental Finishing Co. report that they are very busy and are working on a full time schedule.

Thornton, R. I. The Pocasset Worsted Mills report that they are very busy, and in anticipation of large orders, are laying in a large supply of tops.

Danielson, Conn. The Danielsonville Cotton Co. is operating their plant overtime, three nights a week.

Hanover, Conn. The Airlie Mills are reported running on a full time basis.

East Lyme, Conn. James Bathgate, agent of the Niantic Manufacturing Co., reports that they are very busy and have enough orders on hand to keep them busy for the rest of the year.

Hartford, Conn. The Hygrade Mills Co., recently opened a factory for the manufacture of sweaters, mittens, etc.

Killingly, Conn. The Attawaugan Co. is installing an electric generating plant and will operate their plant by electricity instead of steam, as heretofore.

Mechanicsville, Conn. The French River Textile Co. (see reference in July issue) has broken ground for the large new weave shed. Additional operatives will be employed, thereby enabling the company to increase its production without operating overtime, as they now had to do for years.

Mystic, Conn. The Royal Linen Mills Co. are progressing rapidly with the in-

stallment of the machinery in their bleaching, and expect to be in operation before September 1.

Plainfield, Conn. The Lawton Mills Corporation has increased its capital by \$100,000.

Stafford Springs, Conn. The Warren Woolen Co. will install 30 new looms to replace old ones.

Stonington, Conn. The American Velvet Co. is rapidly installing looms in the new addition to their plant.

Portland, Me. A. F. Dunham and M. S. Wells, of this city, have incorporated as the "West End Thread Co.," to manufacture and deal in cotton, linen, silk, wool and other threads, fabrics, etc.

Waterville, Me. The Wyondotte Worsted Co. has broken ground for a one story addition, 58 by 88 feet, and a two story addition, 30 by 140 feet, in order to provide room for adding 24 new looms as well as four sets cards and necessary spinning machinery.

Manchester, N. H. The Armory Mills of the Amoskeag Mfg. Co. have provided a library for their overseers in their mill building.

Nashua, N. H. The mills of the Nashua Mfg. Co. and the Jackson Co., employing 3,500 hands, after having been closed down since July 2, have resumed operations on a full time schedule.

Burlington, Vt. The American Woolen Company is installing machinery in its Winooski River Mills, 100 looms having been taken from the company's Burlington Mills and placed in the former plant. New looms are now being installed in the Burlington Mills to replace those which have been removed.

Danville, Va. The Dan River Power and Mfg. Co., are reported looking for a site in the Piedmont section of North or South Carolina for erecting a new mill.

Norfolk, Va. The Norfolk Knitting Mills Corporation, capital \$50,000, has taken over the plant of the Norfolk Knitting Mills.

Roanoke, Va. It is reported that the Roanoke Cotton Mills plan to put their plant in operation as soon as the new cotton crop is received.

Martinsburg, W. Va. It is reported that the Kilbourn Knitting Machine Co.,

Trade-Mark Value

It is a safe principle that the impression made by a trade-mark on the mind of a purchaser will be about as clear as the representation of the brand on the commodity. The Kaumagraph Process of Textile Stamping is the only scientific method of Stamping *all* fabrics with absolutely uniform results.

Send samples of your material and we will stamp it and return for inspection.

KAUMAGRAPH COMPANY

110-114 West 32nd Street

NEW YORK

manufacturers of hosiery, are erecting an additional building, to cost about \$20,000.

Suffolk, Va. The Board of Trade of this city is reported as interested in the organization of a company to build a cotton mill.

Albemarle, N. C. The large new mill of the Wiscasset Mills Co. will be equipped in large part for the spinning of combed yarns.

Burlington, N. C. The Burlington Dyeing and Finishing Co., who are equipped with the latest dyeing and finishing machinery, expect to have the same in operation by the time the *Journal* reaches our readers.

Charlotte, N. C. Work on the Pauline Mill, of which C. E. Neisler is the principal owner, is nearing completion. They will manufacture damasks.

Forest City, N. C. The Florence Mills have installed a new dyeing plant which will have considerable to do with the steady operations of the mill; they are beginning to weave some beautiful stripes.

Hickory, N. C. J. D. Elliott, P. P. Jones, and others have incorporated as the Elliott Knitting Mill, capital \$25,000, for the manufacture of hosiery.

Raleigh, N. C. J. A. Matthews, of the Capital Hosiery Mills, it is reported, intends to build a carpet and rug mill.

Rockingham, N. C. The buildings of the Entwistle Manufacturing Company are completed, and the installing of 20,000 spindles and 500 looms, furnished respectively by the Whitin Machine Works, the Draper Co. etc., is progressing rapidly.

Salisbury, N. C. The Salisbury Cotton Mills are building a one story, 80 by 74 feet addition to their weave room, to accommodate 80 new looms.

Vass, N. C. The Vass Cotton Mills Co., whose buildings were completed some time ago, are installing 5,000 spindles and accompanying machinery furnished by the Whitin Machine Works. Angus Cameron is pres. and Walter B. Bell sec. and treas.

Belton, S. C. It is reported that E. B. Rice has purchased an equipment and will start the manufacture of towels and doilies.

Camden, S. C. The Hermitage Cotton Mill, manufacturers of fine sheetings, will install additional picking and carding machinery to enable them to operate their other departments to full capacity. They will, at the same time, erect a third story addition to their plant.

Columbia, S. C. The new Glencoe Cotton Mills, manufacturers of cotton twines, expect to have their plant completed and in operation by the early fall.

Darlington, S. C. Efforts are made here by D. T. McKeithan, S. Vaughan and L. E. Williamson, to push a proposition for the organization of a \$300,000 company to build a new mill.

Fountain Inn, S. C. It is rumored that foreign capitalists have made a proposition to the citizens of this place to put up \$150,000 towards building a new \$200,000 mill here, if local capitalists will subscribe \$50,000.

Gaffney, S. C. The Hamrick Mills, have decided to increase their capital stock by \$100,000, to enlarge their plant.

Greenwood, S. C. Work has been started on Greenwood's fifth big cotton mill, the Panola. F. S. Evans, its pres., hopes to have it completed within five months.

Laurens, S. C. It is reported that a new company, to be known as the Connemara Cotton Mill, capital \$400,000, is to be organized here by W. L. Gray and others.

Newberry, S. C. W. H. Hunt and others, plan the organization of a company, with a capital of \$300,000, to build a cotton mill.

Walhalla, S. C. The Walhalla Cotton Mills have installed a number of new spinning frames, and are making a number of minor improvements.

Wellford, S. C. The Jordan Mfg. Co. will erect a 60 feet addition to their plant, which they will equip with additional machinery for the manufacture of counterpanes and towels.

Arlington, Ga. It is reported that J. E. Toole of this section, is a prominent factor in the organization of a \$250,000 cotton mill which may be built here.

Hampton, Ga. The Hampton Cotton Mills, who operate a 10,000 ring spindle plant, are replacing steam power with the electrical drive.

Eufaula, Ala. The Cowikee Cotton Mills, which is said to be one of the best paying establishments of its kind in Alabama, is being enlarged and equipped with new machinery.

Knoxville, Tenn. The Standard Knitting Mill is enlarging its plant.

Fort Worth, Tex. A. W. Samuels of this place is at the head of a movement to raise \$200,000, to establish a cotton mill here.

Galveston, Tex. The Waste Mill of this place has doubled its capital.

McKinney, Texas. The erection of the buildings of the Lone Star Cotton Mills is progressing rapidly. They expect to be in operation by October.

Quanah, Tex. P. A. Whaley, secretary of the Quanah Chamber of Commerce, plans the organization of a company to erect a \$350,000 cotton mill; Eastern parties are mentioned as interested.

Sherman, Tex. N. B. Birge and others have incorporated as the Sherman Cotton Mill, capital \$100,000.

Ada, O. Henry Young and others have incorporated as the Ada Knitting Co.

Belleville, Ill. The Belleville Hosiery Mills, E. H. Newson pres., have increased their capital by \$20,000. They will erect a new plant at a cost of \$15,000.

Chicago, Ill. The Lorenz Knit Goods Manufacturing Co., 1754-1756 Belmont avenue, are installing new machinery for the manufacture of men's full fashioned union suits.

Grand Rapids, Mich. The Swiss-American Knitting Company, capitalized at \$85,000, has been incorporated to take over the business of the Clarke Knitting Works, now located at Front and Allen streets.

Owosso, Mich. It is rumored that the Western Knitting Mills of Rochester will erect a branch here. It will be two stories high and give employment to over one hundred hands.

Delavan, Wis. It is rumored that the Bradley Knitting Co. intend erecting a three story addition to their plant, so as to install machinery for the manufacture of a recently designed and patented infant shirt.

Waupaca, Wis. It is reported that the Waupaca Felting Mills, which have been idle for a year, are again going to resume operations.

Kansas City, Mo. Samuel A. and Marshall S. Walker and A. S. Lephram, Jr. have incorporated the Star Underwear Mills, capital \$15,000.

Kansas City, Mo. The Star Underwear Mills have been incorporated by Samuel A. Walker and others, with a capital of \$15,000.

Meridian, Miss. The Priscilla Mill has increased capital stock for the purpose of building a mill to spin the yarns for its hosiery plant.

Oklahoma City, Okla. The Oklahoma City Bag & Cotton Mills are reported as taking action to begin construction of the necessary buildings. M. L. Berry is mentioned as the president in this enterprise.

Provo, Utah. The Knight Woolen Mills Co., which has been organized to operate the old Provo Woolen Mills, recently purchased by Jesse Knight, is sending out letters to the stockholders of the Provo Woolen Mills Co., offering them the opportunity to take stock in the new company on the same basis as the new company's stockholders. The new company is incorporated for \$150,000.

Osage, Okla. Browne Cornelison, Security Building, Oklahoma City, and others, have incorporated as the American Hosiery Company, capital \$100,000.

Marysville, N. B. It is reported that the Gibson Cotton Mills have been transferred to the Canadian Colored Cotton Co., Montreal, through D. Morrice, Sr., pres. of the corporation.

Ottawa, Can. The capital of the Canadian Colored Cotton Mills Co., Ltd., has been increased by \$3,000,000.

St. Hyacinthe, Que. It is reported that Penman's, Ltd., manufacturers of hosiery and underwear, of which C. M. Heddle is supt., is operating 12 out of their 18 sets of cards, day and night.

ABOUT MEN YOU KNOW.

Richard G. Riley, is now in charge of the Gosnold Mills Co., New Bedford, Mass.

Charles T. Plunkett, secretary of the Berkshire Cotton Manufacturing Co., Adams, Mass., and ex-president of the National Association of Cotton Manufacturers, has gone on a vacation trip to England and the Continent.

The boom of a heavy derrick used on the construction works of the Garner Print Works and Bleachery at Wappingers Falls broke Friday and fell. *C. H. Fish*, general manager of the company, of Dover, N. H., an ex-president of the Ntl. Cotton Mfrs.'s Assoc., was pinned under a piece of the wreckage and seriously injured.

P. B. Murphy, for the past 10 years general manager of the Newnan Cotton Mill, has been elected president, to succeed the late R. D. Cole, Sr.

George McCartney, who has been assistant for some time to Mr. Tinkham, the former resident agent of the Tinkham mill of the U. S. Worsted Co., Harrisville, R. I., will continue as a member of the board of directors of the U. S. Worsted Co., assisting them in purchasing and giving them the benefit of his experience as well as his advice in conducting their sales department.

Colonel Joseph E. Fletcher, head of the Coronet Worsted Mills, Providence, R. I., received a handsome sabre last week when he was tendered a reception by his regiment, the First Light Infantry.

Joseph F. Cannon, secretary and treasurer of the Wiscasset Mills Co., Albe-marle, N. C., has just recovered from an operation for appendicitis.

Gifford V. Cochran, president of the Alexander Smith & Sons Carpet Company, Yonkers, N. Y., sailed for Europe.

S. F. Sheldon is the new designer and assistant superintendent of the Camden (Me.) Woolen Co.

George Smith has been appointed superintendent and designer of the Tremont Worsted Co., Methuen, Mass.

Jefferson B. Kimball is now designer for the Stillwater Worsted Co., Greenville, R. I.

Herbert Smith is the new superintendent of the Davol Mills, Fall River, Mass.

Theodore R. Plunkett, son of W. B. Plunkett, treasurer of the Berkshire Cotton Manufacturing Co., has resigned his position as traveling salesman for a mill supply company, to go to work in the company's office with his father and learn that end of the business.

Jules Schweighofer, superintendent of the Alsace Worsted Co., Woonsocket, R. I., who was injured recently in an automobile accident, has been discharged from the hospital.

Ira A. Stone has been appointed assistant superintendent of the South Acton (Mass.) Woolen Co.

Irving Johnson is the new superintendent of the A. Howarth & Son woolen mills, Rochdale, Mass.

Arthur C. Brown is now assistant superintendent for the Falls Co., Norwich, Conn.

T. T. Tierney is the new superintendent of the Marion (Ohio) branch of the Susquehanna Silk Mills.

Joseph Lightowler is now superintendent of the Norway Worsted Co., Calendar Street, Providence, R. I.

B. W. Bingham has been appointed superintendent of the new Vass (N. C.) Cotton Mills.

F. H. McDavitt is to become the superintendent at the Maverick Mills, East Boston, Mass.

John Keenan, formerly superintendent of the bleachery department of the Southbridge (Mass.) Printing Co., has been reengaged.

Jolin M. McLemore is now superintendent of the Talladega (Ala.) Cotton Factory.

W. E. Williams is now superintendent at the Tennille (Ga.) Yarn Mills.

Arthur J. Hale is the new assistant superintendent of the Rotch Mills, New Bedford, Mass.

Robert Wild is the new boss spinner at the Ashland Cotton Co., Jewett City, Conn.

George P. Wilman is now boss dyer at the Continental Worsted Co., Providence, R. I.

C. S. Garner is the new boss weaver for Mayo & Son, Inc., Foxcroft, Me.

William Nelson is the new boss weaver at the Bernon Mills, Georgia-ville, R. I.

Napoleon Montville is now overseer of spinning in the mill of the Forestdale Manufacturing Co., Forestdale, R. I.

Walter Crabtree is the new boss spinner of the Plainfield Woolen Co., Central Village, Conn.

Mr. Stimson is the new boss spinner

at the Greylock Mills, North Adams, Mass.

Charles Jennings is now superintendent of the River Spinning Mill, Woonsocket, R. I.

Frank Mowry is the new boss carder at the American Woolen Mills Co., Franklin, Mass.

E. Strahlmann has been elected pres.; *Charles F. Mohnike*, vice pres.; *G. Aubrey Davidson*, treas., and *M. C. Dibble*, sec., of the Southern California Silk Co., San Diego, Cal.

Robert E. Jackson has been appointed overseer for the Sauquoit Co., Capron, N. Y.

Samuel Handford has become boss bleacher for the Waldrich Bleachery, Delawanna, N. J.

David Dana Woodbury will be the new assistant to Mr. Hartshorne, at the Arlington Mills, Lawrence, Mass.

Thomas Killduff is now an overseer for the Skenandoa Cotton Co., Utica, N. Y.

John Legg, president of the Worcester Woolen Mill Co., and a director of the American Association of Woolen and Worsted Manufacturers, who was dangerously ill, since April 3rd, has recovered, and will go for a vacation to Maine, to remain until late in September.

Walter M. Hastings will represent William Whitman in the management of the new merino yarn mill which is being erected in South Lawrence, Mass.

OBITUARY

Richard Waterhouse, formerly owner of the Greenville Woolen Mills, Greenville, R. I., and a well known woolen manufacturer of New England. He was born in Yorkshire, England, and came to this country when a boy.

George Scatchard, one of the founders of the firm of Joseph Scatchard's Sons, manufacturers of woolen goods and yarns, Germantown, Philadelphia. He was born in England, coming to this country at the age of 12.

John Dieckhaus, manufacturer of knitting machines, Brooklyn, N. Y.

Turner Tate, formerly associated with his brothers, Fred, Ernest and H. H. Tate, in the operation of the Mountain Island (N. C.) Cotton Mills.

Frederick H. Daniell, superintendent of the Sulloway Mills, Franklin, N. H.

Ethan Dennison Griswold, president of the Griswoldville Manufacturing Co., Griswoldville, Mass.

Louis H. di Zerega, one of the founders of the New York Cotton Exchange, New York City.

James C. Morrow, a rug manufacturer, Newfield, N. J.



CHARLES H. SCHNITZLER,
215 North Second St., Philadelphia, Pa.
Patentee and Sole Manufacturer of

The Pneumatic Conveyor

For the handling of wool and cotton stock, rags, excelsior, jute and all kinds of fibrous material, wet or dry. Also spool elevators, steam heating and ventilating and mill work generally. Blower and fan work a specialty. This conveyor is patented. Beware of infringements. Satisfaction Guaranteed.

Established 1897

Wipers Washed and Replaced in Good Order at Lowest Prices

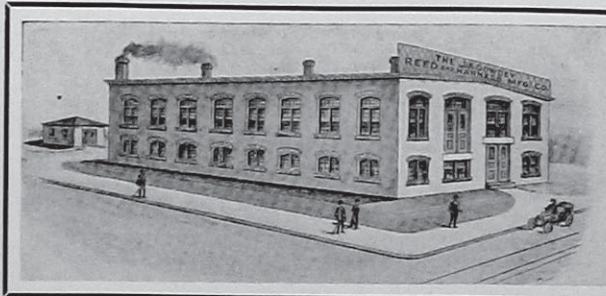
HARRY CROWTHER

Manufacturer and Washer of

Silk Wiping Cloths, etc.

Rorer and Ontario Sts.

PHILADELPHIA, PA.



**THE J. A. GOWDEY
REED AND HARNESS MFG. CO.**

JAMES WILSON, Pres. and Treas.
1226 North Main St. PROVIDENCE, R. I

*Soldered Reed Work a Specialty.
Tempered Steel Reeds for Wire Weaving.*
Satisfaction Guaranteed. Prompt Delivery
Large Stock of Raw Material Constantly on Hand.

NEW DESIGNS FOR CARPETS AND RUGS.

We herewith show a collection of six new designs recently patented by John Merry, of New York, and for Carpets and Rugs. Figs. E and F to Designs for Rugs recently patented



A



C



D



B



E



F

Figs. A, B, C, and D refer to Designs for Carpets, by William A. Spring, of New York.

**ULRICH COMPANY
GENERAL MILL SUPPLIES**

TEL.: Sub. 6 | N. Y. & N. J., 295.

Ulrich Mill, **PATERSON, N. J.**

Reeds, Harnesses, Lingoos, Shuttles,
Malls, Quills and Ribbon Blocks.
Wire and Reed Eye Heddles and Baked Har-
nesses.
Wire Heddle Frames, specially for Fancy and
all kinds of Doup Harnesses.

Woonsocket Speeders Lead



Woonsocket Machine and Press Company

WOONSOCKET, R. I.

Builders of Cotton and Woolen Machinery

Southern Agent: J. H. MAYES, Charlotte, N. C.

GRAN-CARB-SODA

THE HIGHEST GRADE OF
SODA CRYSTALS MADE

"The Best is Good Enough."

THE HOLBROOK MFG. CO.

Coles & 18th Streets
JERSEY CITY, N. J.

MILL SOAPS

Fast Colors for Cotton and Wool
Helindone Colors

Indigo M L B

H. A. METZ & CO.

New York, 122 Hudson Street

Boston, 140-142 Oliver St.

Providence, 23 S. Main St.

Charlotte, 210 S. Tryon St.

San Francisco, 580-582 Howard St.

Philadelphia, 104 Chestnut St.

Chicago, 317 N. Clark St.

Atlanta, 1418 Empire Bldg.

Montreal, 30 St. Francois Xavier

Laboratories: Newark, N. J. [St.]

SOLE AGENTS IN U. S. AND CANADA FOR

Farbwerke vorm. Meister, Lucius & Bruening

Boston.

Providence.

Philadelphia.

Chicago.

Charlotte.

Albany.

Toronto, Can.

FARBENFABRIKEN OF ELBERFELD CO.,

IMPORTERS OF ANILINE & ALIZARINE COLORS

P. O. Box 2162

NEW YORK

117 Hudson Street

New England Butt Co.

Providence, R. I.

Braiding Machinery, both American and German types, for making Dress Braids, Shoe and Corset Laces, Underwear, Trimmings, and all kinds of Round and Flat Braids.

INTRODUCTION TO AMERICAN KNITTERS OF THE
Wilcomb Spring Needle Knitting Machine
 THE WONDER OF EUROPE

For Underwear, Balbriggan, Rubber
 Linings, Stockinette, etc.

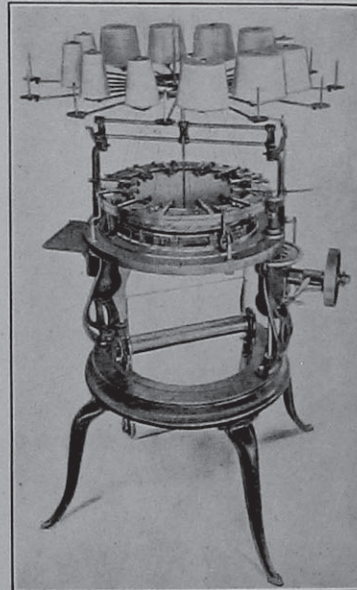
Diameters up to 24"

Gauges up to 24 Needles per inch

Six to Sixteen Feeds

Fabric equal to finest French Webbing

Unequalled Production Extreme Simplicity
 Low Operating Costs Machine Self Contained



If you are interested in producing better fabrics at lower costs than from your present equipment, or want to take on higher class lines than you can now produce, you should acquaint yourself with this machine.

SEND FOR SAMPLE WEBBING

WILCOMB MACHINE COMPANY :: Norristown, Pa.

**Posselt's Textile Journal
 Volumes I, II, III and IV**

Complete sets of the above are now on hand and ready for delivery

PRICE: \$1.50 EACH VOLUME

This will give you an opportunity to get back volumes in order to complete the series of articles appearing now in the Journal on

COTTON SPINNING (The Ring Frame)

The first authentic treatise on the American Frame in print.

DICTIONARY OF WEAVES

Comprises over 2000 practical weaves on 8 to 12 harness, taken from woven fabric structures.

LESSONS ON DESIGNING

Harness and Jacquard Work; a series of practical discussions and instructions on these subjects, based on the Editor's life experience and practical work.

DICTIONARY OF TECHNICAL TERMS

Relating to the Textile Industry. The first complete and authentic collection of words, trade names, phrases, etc., compiled.

A TREATISE ON THE KNOWLES LOOM

Covering its construction, etc.

THE MANUFACTURE OF NARROW-WARE FABRICS

Ribbons, Trimmings, Edgings, Webbing, Elastics, etc.

TESTING OF CHEMICALS, DYESTUFFS, ETC.

Also hundreds of articles on new machinery, processes, etc.

The supply being limited we would suggest that those who desire the same would order at once, remitting by money, check or registered mail

POSSELT'S TEXTILE JOURNAL, Philadelphia, Pa.

NEW STYLES FROM ABROAD

**FANCY WORSTEDS AND WOOLENS
 SUITINGS AND TROUSERINGS**

We Are Constantly in Receipt of New Collections

Subscribers can examine them by calling, upon appointment, at our office; or samples are mailed to them at the nominal cost of:

One sample	15 cents
Two samples	25 cents
Ten samples	75 cents
Twenty samples	\$1.00

Cash with order. Postage stamps accepted.

When ordering, mention preference

We are the "Headquarters for Everything in the Textile Line."

Posselt's Textile Journal, Philadelphia

\$2.00 WILL INSURE YOU

Being posted regarding new processes and machinery, all the trade news, all the new styles and all the ever changing movements of the textile industry by
 Reading regularly

POSSELT'S TEXTILE JOURNAL