

firm that furnished this fabric gave the following facts which seemed to him to be the basis of the selection: Given the same organization, stock and weave, the foreign fabric would be subjected to steaming and brushing not less than four times, with the goods waiting between each brushing several hours. The steam vapor was well brushed in these several times, and the goods placed on a roll until the effect of the steaming had set the finish. One of his statements was that 'steam will not set a fabric of this weight and character under 2½ hours, and four hours makes it nearer a certainty,' explaining also that a less excessively hot steam, is more satisfactory in its action.

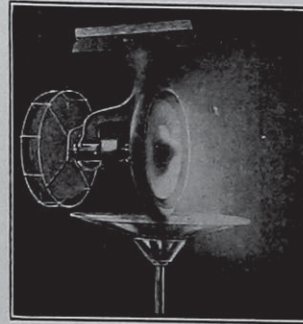
#### Spraying.

"With the increased use of the spray in finishing, this process might well be considered. Now, I am a very firm believer in the use of water in finishing, and warm or moderately hot, is nearer to my fancy. It may be a little moisture applied in the form of spray or dew, or it may be a complete saturating of the fabric, by submerging and then partially forcing the water through the fabric by means of squeeze rollers. Water properly applied is the finishers' best friend.

"But we have departed from our spraying. To a 16 ounce piece of woolen, 60 inches wide, you add one ounce of water; let us figure this out; 2,160 square inches of fabric over which you spread 1½ cubic inches of water in small drops or particles, which, when evenly distributed, amounts to about 8-10 of a thousandth of an inch in thickness. Now, this minute thickness of film is not uniform, it is just a number

## HYGROSSO

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### THE SIMPLEST HUMIDIFIER MADE

Uniform humidity with automatic control on each humidifier.

Every head a complete unit.

Different parts of room independently controlled or uniform results throughout as may be desired.

The only humidifier with automatic control, where each head is a complete unit, and can be adjusted to control the humidity in its own prescribed cubic feet of air space.

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88-90 Centre Street

NEW YORK CITY

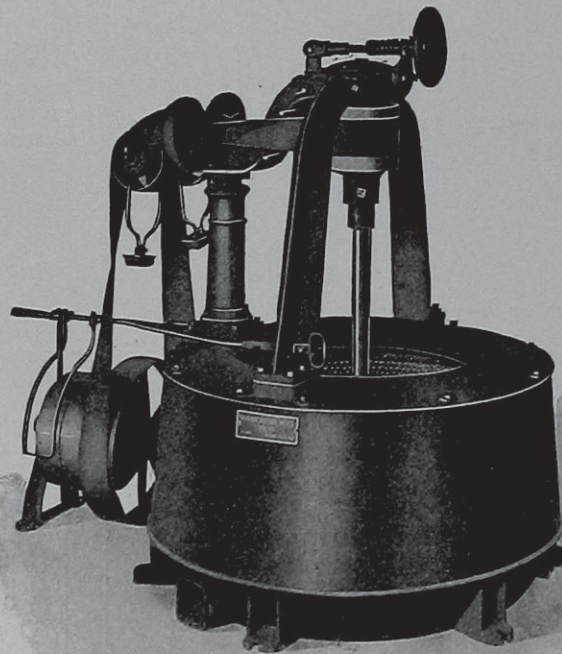
# TOLHURST Self-Balancing Hydro-Extractors

Belt, Engine and Motor Driven

Enough Said?

## TOLHURST MACHINE WORKS,

TROY, N. Y.





**AMERICAN DYEWOOD Co.**

**TETRAZO  
SULPHUR COLORS  
FOR  
COTTON  
PIECE GOODS**

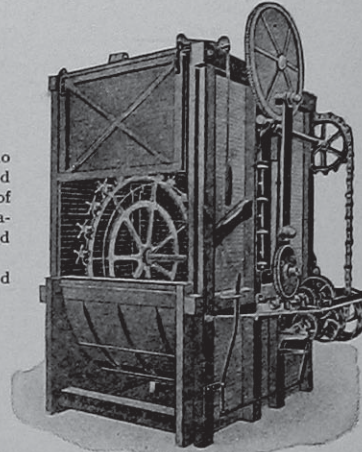
**NEW YORK PHILADELPHIA  
BOSTON HAMILTON, ONT.**

**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  
CLOTH, YARN AND KNIT GOODS**

**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.



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# FAST COLORS FOR WOOL

**CASSELLA COLOR COMPANY**  
BOSTON PROVIDENCE PHILADELPHIA

DYESTUFFS FOR WOOL IN ALL CONDITIONS  
OF MANUFACTURE

RAW STOCK—YARN—PIECE GOODS

Trade  
*Anthracene-Chromate Process a Specialty*  
Mark

**NEW YORK**  
ATLANTA MONTREAL

of little balls or globules, and to thoroughly distribute these globules, they must be broken into still more minute ones.

"To accomplish this, roll the goods smoothly and not too snugly after spraying. Allow this little film of moisture to permeate the piece so that each fiber is acted upon by the water. Each individual fiber has considerable affinity for water, and will aid you to thoroughly distribute the moisture, if you will allow it time to do so.

### Pressing.

"The hydraulic or plate press was the only apparatus known in early days in this country and is found occasionally in a mill today, but it is very largely used abroad, especially on finer fabric. A pressure of 15 tons to 18 tons per square inch applied for about eight hours was the usual practice and the fabric was thoroughly and permanently set. A pressing that was forced through and through the fabric—480 minutes of continual pressures. At the present time a rotary press is expected to turn out about six yards per minute; that is, unless it has been speeded up to 9 or 10 yards per minute. On a cylinder 15 inches in diameter, with theoretically 36 inches of pressing surface, though practically it has not over 28 inches of evenly applied pressure, this pressure often exceeding 30 tons per square inch, 216 inches per minute travel of cloth, each line of filling is under pressure about 25 seconds. Now, you do not expect to equal the plate press in effect, of course, but just expect to give a commercial substitute for its results.

"Pressing consists of two steps: first, moistening

your fabric, either by spraying or by a vapor steaming process. This softens the fabric a trifle. Now, this moist fabric is subjected to heat and pressure. The heat converts the moisture within the fabric into steam, or heats, perhaps superheats, the steam already in the fabric, and the fabric is given a rather severe, spasmodic squeeze, and then you let the whole matter drop. Let me suggest a little more careful examination and adjustment of the conditions; a little less heat in the pressing surfaces, a little better use of moisture to the fabric and a considerably longer appli-

(Continued on page xvi.)

## YOU CAN'T SPOT

*AntiStain* **SPOTPROOF**  
*SILKS*

**WITH WATER.**

*This is a positive guarantee.*

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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,  
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izing Machine. Established 1833.

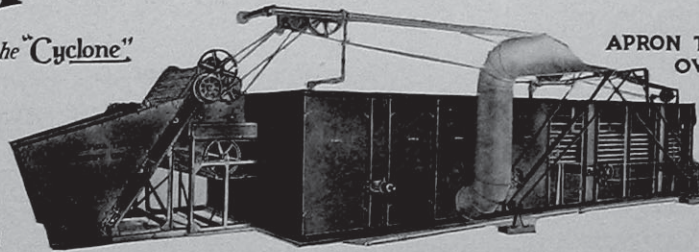
RICHARD FRERES, LYON, FRANCE. Well-  
known builders of SILK FINISHING MACHINERY.



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Formerly the "Cyclone"

YARN DRYERS  
COTTON STOCK DRYERS  
WOOL DRYERS  
HOSIERY DRYERS  
CLOTH DRYERS  
CARBONIZING OUTFITS  
YARN SCOURING MACHINES  
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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.  
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Consulting and General Practise in Chemistry,  
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MANUFACTURERS OF  
WOOL BURRING, PICKING AND MIXING MACHINERY  
**CLOTH-FINISHING MACHINERY**  
FOR COTTON, WOOLEN, WORSTED AND FELT GOODS,  
PLUSHERS, VELVETS, CORDUROYS, CARPETS,  
RUGS, MATS, ETC.

SINGLE OR DOUBLE WOOLEN SHEARING MACHINES  
WITH PLAIN OR LIST-SAVING RESTS.

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WOONSOCKET NAPPING MACHINERY CO.

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New and Fireproof

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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.**

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**LOOMS FOR**  
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**THE SCHAELLIBAUM GRID**

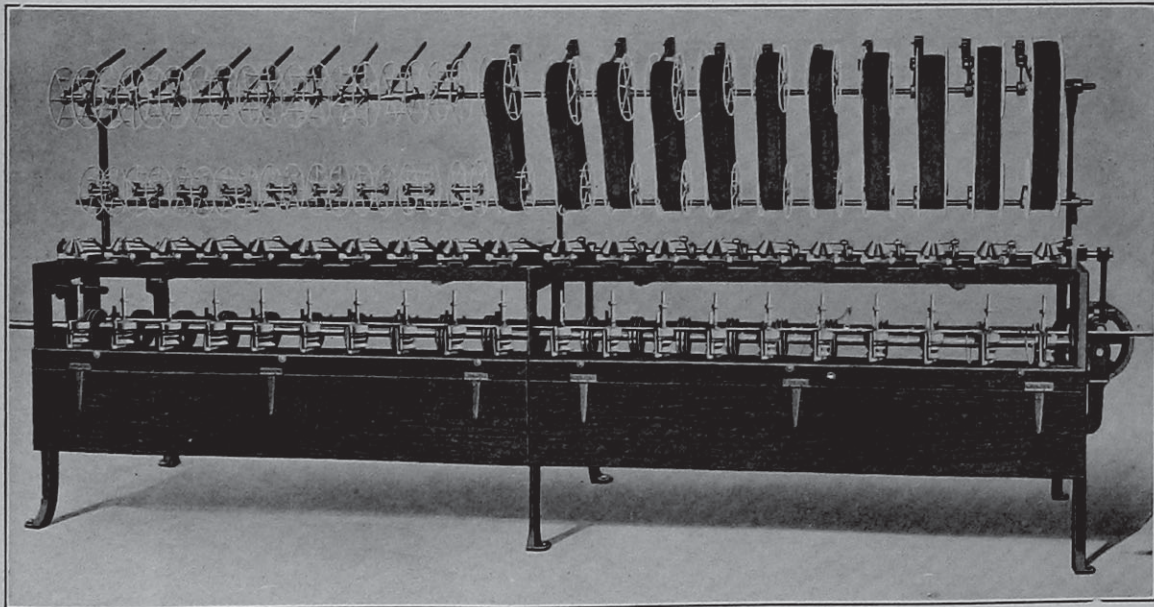
is overhauled free of cost whenever desirable. Change of working conditions requires different setting for best results, no matter what grid is used. If you ever see grids of ours that do not in every respect give superior results, it is because people failed to advise us in such cases, or neglected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

**THE ROB. SCHAELLIBAUM CO.**  
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 Manufacturers of  
**BOBBINS and SPOOLS**  
 For Cotton, Woolen, Worsted and Silk Factories  
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**SILK MACHINERY**  
*New and Not New*  
**E. B. HINDLEY**  
 No. 1 to 9 Mill St.      PATERSON, N. J.

**OSWALD LEVER CO., Inc.,** BUILDERS OF **TEXTILE MACHINERY**  
 Lehigh Ave. and Hope St.      **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**

"TIME" IN FINISHING.  
(Continued from page xiii.)

cation of the pressure, then wait a little for the result to set. There is a difference between the action of a press running six yards per minute, every pressing surface at an extreme heat, and the same press with the beds well warmed up and the cylinder only warm from the radiated heat from the beds, with a cloth speed of 2 to 2½ yards per minute.

"In regard to this setting, it may be accomplished by rolling your fabric while still warm, without undue strain or tension, and allowing it to gradually condition.

### Shrinking.

"A few words about another process, as so much is being said today, about shrunk fabrics. I am not going to discuss steam shrunk, London shrunk or decatized fabrics. Remember that it is not the wetting of the fabric that shrinks it, but the drying out of the moisture that gives you the result. I did not say the desired result, because when the drying is forced or the fabric restrained the shrink is not what is desired. If you force the result you fail to allow

the element of time to enter into the process, and if you restrain the shrinking, it is possible that you will hear from it later.

"Imperfect wetting out; that is, wetting in spots, gives you a mottled shrinkage and is the cause of some of the wrinkled effects seen in ready-to-wear fabrics, while good wetting out and undue heat in drying does not allow the different fibers a chance to return to a natural condition. An attempt to obtain the result of a permanent set to the fabric by means of dry steaming, while the fabric is tightly rolled, gives an entirely different effect. The severe steaming has a tendency to shrivel the fabric rather than shrink it, and though it gives you a lustre and finish that will even withstand the action of the tailor's goose, you have accomplished not a perfect shrink, but a partial shrink and temporary shrivel.

"You have, during the process of manufacturing cloth, subjected the wool fiber either as an individual hair, as a strand of yarn, or as an organized fabric, to greater or less strain, at times to an excessive strain and distortion. It naturally wants to resume its natural condition as far as the construction of the cloth will allow. If you kill the life of the fiber by heat either dry or moist, it has no natural condition to return to. If you have been gentle to your fiber though perhaps distorted or strained, unduly, it still seeks its place of rest and quietude. Do you wish to aid it in its efforts? If so, apply water in sufficient quantity to saturate all portions. Warm this water so that you will arouse no thought of a chill treatment. Gently press the moisture into the structure so that all portions may receive it equally. Hang your fabric where the air will gradually absorb the moisture as it is given off from the cloth and when almost dry subject it to just enough ironing without strain or tension to smooth out what little wrinkles are formed and allow a little extra time for nature to aid you by conditioning fabric."

## INNIS, SPEIDEN & CO.

Established 1816 - - - - - Incorporated 1906

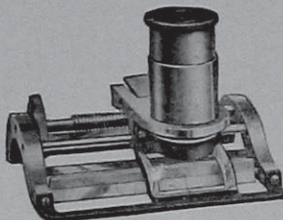
Importers of

### Aniline Colors & Dyestuffs

**Electrolytic Caustic Potash  
Carbonate Potash**

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## Lowinson's Triplex Thread Counting Micrometer

The great American invention for counting threads in textiles. Adopted by the Board of U. S. General Appraisers, also by Appraisers of the Ports of New York, Chicago, New Orleans and Providence; also by Quartermasters Dept., Phila., for the examination of goods purchased by the Government.

No thread counting glass in the world combines the magnifying powers and other distinctive features of this instrument.

CHAS. LOWINSON, 395 B'way, NEW YORK CITY

Sole Agent for U. S. and Canada



## 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, Orchi; 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, Soap-Ing, 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, Warping; 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.
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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.

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PHILADELPHIA, PA.

**WEIMAR BROTHERS**  
MANUFACTURERS OF  
**Tapes, Bindings and Narrow Fabrics**  
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MANUFACTURERS OF  
**LOOM REEDS OF ALL KINDS**  
"Royal" Ring Travelers, Mill Wire Goods and Heddles  
**Worcester, - - Mass.**

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 PROGRESS.  
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**  
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**TAPE & RIBBON SHUTTLES**  
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WRITE ME FOR PRICES BEFORE ORDERING ELSEWHERE

ROBERT G. PRATT, Worcester, Mass.





# "Paragon" & "Union"

(HEAVY) (LIGHT)

## APRON OILS

The condition of aprons or rub rolls is a matter of the greatest importance



Paragon and Union Apron Oils keep the aprons or rub rolls soft and pliable. They not only tend to increase production but to make a smooth roving.

**BORNE, SCRYMSER COMPANY**  
**80 South Street, New York**  
**BOSTON FALL RIVER PHILADELPHIA**  
**Works: Claremont, Jersey City, N. J.**

### MILL NEWS

*Philadelphia, Pa.* John O. Crisman, Elias H. White and Albert C. Brand, are to incorporate as the Peerless Mills, with the object to engage in the manufacturing and selling of cloth and other fabrics made from wool, cotton, silk, hair, etc.

*Philadelphia, Pa.* Everett H. Brown and others have incorporated as the Wister Spinning Co., capital \$50,000. They have taken over the plant of Joseph Fling's Sons, manufacturers of woolen and merino yarns, Germantown.

*Philadelphia.* Arthur G. Meyer and Walter S. Miller, the latter lately connected with the Shackamaxon Worsted Co., are interested in the new Tioga Worsted Mills. The same is equipped with 100 looms for making men's wear worsteds.

*Philadelphia, Pa.* John Norris, manufacturer of silk and cotton dress goods, is starting up additional looms.

*Philadelphia.* The plant of the Ontario Dyeing Co. at Ontario and D Sts., was destroyed by fire on Wednesday, July 6th.

*Philadelphia, Pa.* J. & B. Allen report that they are running their entire plant on a full time schedule for the manufacture of fancy knit goods.

*Philadelphia.* Sibson & Stern, Inc., lace trimmings, are to erect, at a cost of \$15,000, a two story addition, 50 by 77 feet, to their plant.

*Philadelphia.* The Riehm Knitting Co., recently incorporated with a capital of \$10,000, has started making samples of coat sweaters at Adams and Unity streets.

*Allentown, Pa.* The National Silk Dyeing Co., suffered a loss of thousands of dollars and a number of their employees were injured by the bursting of a large water tank on June 29, which necessitated the shutting down of the entire plant temporarily.

*Allentown, Pa.* Pickup & Kean, dyers of cotton yarns, have erected a new building for the installation of a mercerizing plant for cotton skein yarns. The machinery is imported by A. W. Buhlmann, the prominent textile engineer, 487 Broadway, New York, and is of the latest design, containing features which permit of a considerable reduction in the cost of mercerizing. A description of the construction and operation of these superior mercerizing machines, System St. Georgen, was given in the February issue of the Journal.

*Allentown, Pa.* The addition built by the Alburts Silk Ribbon Mills is practically completed and ready for the installation of looms.

*Chester, Pa.* The plant of George C. Hetzel continues to run on a day and night schedule.

*Chester, Pa.* The Aberfoyle Manufacturing Co. has purchased eight acres of land along the river front, adjacent to its mills, to erect a large wharf.

*Easton, Pa.* Elijah H. Keiper and Harry L. Keller have established a small knitting mill on West Spruce street.

*Eric, Pa.* John C. Tauber, of Spartansburg, Penna., has leased the upper story of the rebuilt Mayer block at Fifteenth and State streets, and will commence operations under the firm name of the John Tauber Woolen Mills as soon as the necessary equipment is installed.

*Hamburg, Pa.* S. D. Bausher is erecting a large mercerizing plant to take care of the production of his two mills.

*Landingville, Pa.* The Landing Knitting Co. A. D. Warmkessel, pres., is erecting a new two-story brick factory.

*Lewistown, Pa.* The Lewistown Knitting Co. are operating their plant on a day and night schedule and are installing additional machines.

*Manchester, Pa.* The Jacob's Mill property has been renovated and knitting machinery is being installed.

*Molnton, Pa.* Worley Bros., proprietors of the Gem Hosiery Company, it is reported, are considering the manufacture of underwear, in addition to making cotton half hose.

*New Holland, Pa.* T. M. Storb, A. W. Snader, John A. Ulrich and James A. Gilfillan have incorporated as the Storb, Snader & Co., Inc., capital \$200,000; they are succeeding to the business of Storb, Snader & Co., manufacturers of broad silks.

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*Pottsville, Pa.* The Pottsville Knitting Mill, of which Fred M. Miller is the proprietor, and which manufactures women's cotton ribbed vests and children's underwear, has moved into its new 3 story frame building. It is reported that probably more machinery will be installed.

*Reading, Pa.* The George W. Hawk Co., manufacturers of men's cotton half hose, formerly at Second and Buttonwood streets, have moved to larger quarters at Elm and Read streets.

*Reading, Pa.* The Reading Cotton Mills, Ninth and Laurel streets, are installing new machinery, which will eventually give work to 300 employees.

*Scranton, Pa.* The Standard Knitting Co., are erecting a \$1,800 frame addition to their plant, to provide room for the installation of modern knitting machinery.

*Shamokin, Pa.* W. F. Taubel will erect a four-story brick addition, 50 by 150 feet.

*Spring City, Pa.* The Century Knitting Co. is now occupying their new building, which enables them to increase the production.

*Valley Forge, Pa.* William Lund & Son, yarn and worsted spinners, have completed a 60 by 72 foot addition to their Valley Forge mill.

*York, Pa.* Ernest and Herman Levy, ribbon manufacturers, of 72 Greene Street, New York, are contemplating locating a plant here. An interesting proposition has been offered them by the Chamber of Commerce.

*Jersey City, N. J.* The S. M. Hohl Co. have been incorporated with a capital of \$50,000 to manufacture gloves, hosiery, etc., by S. M. Hohl, Bayonne, N. L. and others.

*Lake View, N. J.* The Henry Doherty Silk Co. have finished moving their two plants to their new mill here, and hope to resume manufacturing about July 15th. Their plant in the Hall Mill, Paterson, will not be moved now, if at all.

*Mount Holly, N. J.* Royle & Pilkington Co. are reported rushed with orders, having to install two additional warp beaming machines.

*Paterson.* The Columbia Silk Co. have moved their plant from the Essex Mill to the Ward St. Mills, lately vacated by The Henry Doherty Silk Co.

*Paterson.* Wolff & Silber are adding 10 looms to their broad silk plant. More will be added later when business improves.

*Paterson.* The Brilliant Silk Co. contemplate building a large new mill to their plant.

*Paterson.* Emil Mutzberg, formerly connected with the Manhattan Ribbon Co., has started manufacturing silk ribbons in the Blackburn Mill.

*Paterson.* The Holzman Silk Co., on Van Houten str., have taken the space made vacant by the moving of Henry Doherty, and are now occupying the whole mill. This will give them one of the largest ribbon plants in the state.

*Paterson.* Hugo Huetteg & Co. have started a new plant on the first floor of the new Hall Mill, Summer & Harrison Sts., with fifteen improved German knitting machines making the finest quality of all silk hosiery.

*Paterson, N. J.* The plant of the Manhattan Ribbon Co. was destroyed by fire on July 5th. The loss is estimated at \$250,000.

*Paterson, N. J.* It is rumored that J. Edwards Barbour may erect a linen thread mill at Fairview.

*Riverside, N. J.* W. F. Taubel, proprietor of the Popular Hosiery Mills, manufacturers of cotton, worsted and lisle hosiery, will erect a new mill, 50 by 150 feet, four stories high.

*Seaucucus, N. J.* Scharg Bros. have just finished a 50 by 100 foot extension, three stories high, to their plant. Machinery will be installed as soon as the silk business improves.

*Vineland, N. J.* The Fowler Waste Mfg. Co., have moved their plant from S. Front st., Philadelphia, to this city.

*Herkimer, N. Y.* McLaughlin Bros., of Utica, have purchased the Newport Knitting Mill and are preparing to operate it.

*Newburgh, N. Y.* The William Strook Felt Co. contemplate the erection of a concrete addition, 100 by 76 feet, to their plant.

*Newfane, N. Y.* The Newfane Felt Mill Co. is planning an addition.

*New York.* The Germany Knitting Mills have been incorporated with a capital of \$16,000, by John H., Henry W., and George Fedden, all of 2262 Bathgate Avenue.

*New York.* Lucien Jouvaud, 205 West 78th streets, New York; Frances Du Coudray, 107 Grant Ave., Grantwood, N. J.; and Fortunato Calogero, 180 West 93rd street, New York, have incorporated the Industrial Thrown Silk Co., capital \$50,000.

*New York.* Faulkner, Page & Co. have been appointed sole selling agents for the products of the Eno Cotton Mills, Hillsboro, N. C.

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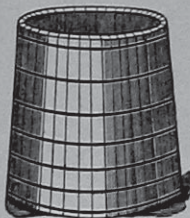


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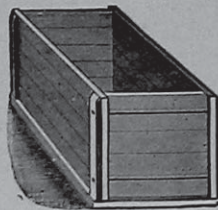
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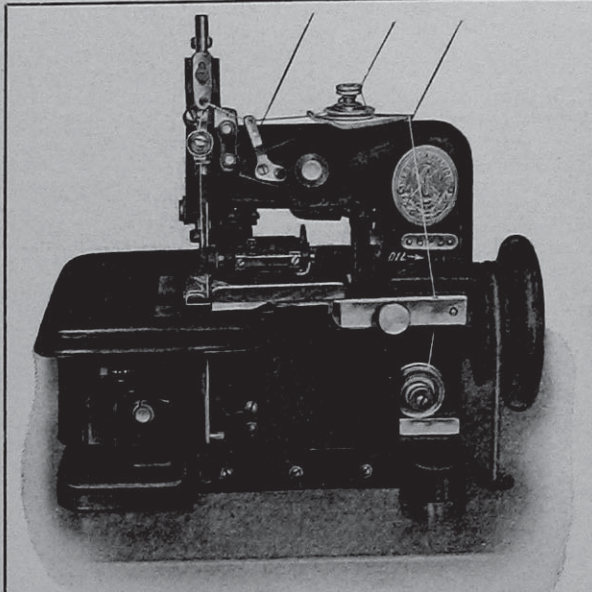
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NEW YORK

*Utica, N. Y.* Clifton C. Newell, of Oriskany, John P. Libby and Gilbert Butler, of Utica, have incorporated the Marshall Knitting Co., capital \$50,000.

*Whitesboro, N. Y.* The Anchor Knitting Mills are to erect a three-story brick addition.

*Queens, L. I.* The Dickhaus Mfg. Co. has been incorporated with a capital of \$10,000. They are to manufacture cotton wads.

*Boston.* What is probably the first substantial sale of New England textile shares in Europe has been consummated, a financial paper reports, by the United States Worsted Co. in the sale of \$500,000 7 per cent preferred stock to Paris bankers. The price received was par, less commission, or the same price at which the shares are selling in New England.

*Holyoke, Mass.* The Germania Mills are adding 12 looms.

*Hopedale, Mass.* Although the cotton mill business, during the last eight months, has not been what it should have been, the Draper Co. is still booked full for the remainder of this year. Besides forward orders for new machinery the present period of mill curtailment is naturally a time when mills are overhauling plants, and there is, therefore, more than the usual call on manufacturers of textile machinery for repairs and replacements.

*Hopkinton, Mass.* The Hermania Silk Mills together with other buildings are being offered for sale.

*Housatonic, Mass.* The Monument Mills have installed 40 looms in their new weave shed, recently completed.

*Huntington, Mass.* The Huntingdon Mfg. Co., report that their weaving department is working on a day and night schedule. The concern is managed by Henry W. Lancey, Monson's, (Mass.) prominent Textile man.

*Lawrence, Mass.* The Pacific Mills have purchased the printing department of the Hamilton Manufacturing Company, consisting of twelve machines, which increases the Pacific equipment to fifty-three machines, making it the largest print works in the world. A weaving mill may be erected in the Hamilton yard later on.

*Lawrence, Mass.* Work on the construction of the big Merino Yarn Mill, to be erected by Wm. Whitman, and to which reference was made in the June issue, has begun. The builders expect to have the mill ready for receiving machinery by the first of next year.

*Lawrence, Mass.* The new mills to be put up by the Pacific Mills Co., and to which reference was made in the

March and June issues, will consist of a printing mill, 720 by 85 feet; a dye house, 994 by 251 feet; a finishing mill, 600 by 90 feet, and a power station, 300 by 85 feet.

*Lynn, Mass.* The proposition to erect a cotton mill on Washington street, is said to be meeting with favor. The plan is to build two buildings each 300 feet long by 130 feet wide, to equip the plant with 60,000 spindles, and to capitalize the company for about \$850,000.

*Methuen, Mass.* Lewis E. Barnes, of this place, Joshua D. Armitage, of Fitchburg, and others, have incorporated the Carribee Mfg. Co., with a capital of \$25,000. They are to manufacture narrow ware fabrics and other cotton, woolen and worsted goods.

*Millbury, Mass.* The Millbury Worsted Co., employing about 60 hands, is operating on a day and night schedule, on raincoat goods.

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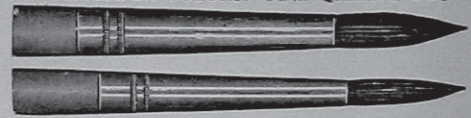
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**MONSON, MASS.**

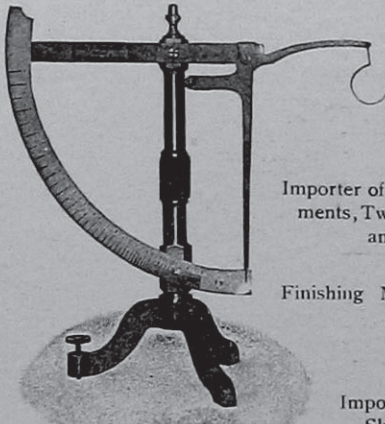
*Its History as a Textile Manufacturing Town.*

The manufacture of woolen goods has been carried on in Monson for more than a century. As early as 1800, Asa Gates had a carding and spinning mill on the site of the present S. F. Cushman & Sons' woolen mill. Gates sold in 1816 to the Monson Woolen Manufacturing Co. The plant next passed to the Hampden Cotton Manufacturing Co. In 1824 Horatio Lyon and others acquired the property under the name of the Monson Woolen Manufacturing Co. In 1870 Mr. Lyon became the sole owner, and upon retiring from business in 1877 he sold out to S. F. Cushman.

The Hampden Cotton Co. in 1813 erected a mill on the site of the present A. D. Ellis & Sons' new brick mill on Main street. They also built a mill in 1829 on the site where the A. D. Ellis & Co.'s No. 1 mill now stands. Two mills have been burned on this site, one in 1839 and one in 1869. Joseph L. Reynolds built the branch mill in 1827, and took into partnership Cyrus W. Holmes, Sr., and they disposed of it to the Hampden Cotton Co. When that company dissolved it was bought by C. W. Holmes & Sons. The mill next passed to Holmes & Ellis, then to C. W. Holmes, Jr., then to S. F. Cushman & Sons, then to Leonard R. Rosenberg and is now owned and operated by the Somerset Woolen Co., managed by Henry W. Lancy, one of the most progressive woolen and worsted manufacturers in New England.

In 1857 Joseph L. Reynolds erected a mill where the Langwald Worsted

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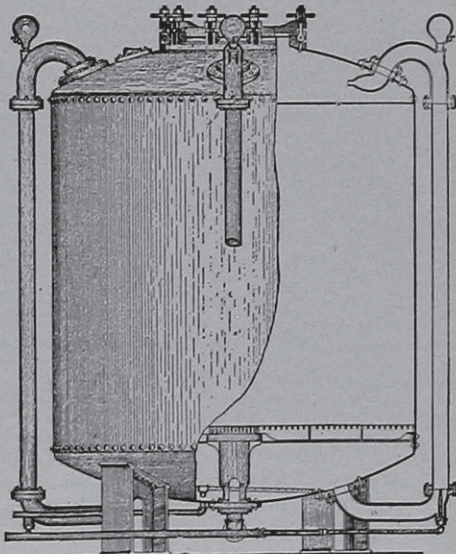
Mill now stands. A few months later the mill burned down and it was rebuilt by Mr. Reynolds, but the machinery was never put in. In the settlement of the Reynolds estate it was acquired by the Langwald Bros., who equipped it for the manufacture of worsted goods.

The woolen mill at present owned and operated by the Ricketts & Shaw Co. was originally built by Joseph L. Reynolds in 1860. It was burned in 1867 and rebuilt in 1870. It was bought

in 1901 by A. D. Ellis, who substantially enlarged and remodeled it.

*New Bedford, Mass.* The Sharp Mfg. Co., and to which we referred in the March and June issues, has been incorporated with a capital of \$1,500,000. The new mill, which will be five stories in height and operate 80,000 spindles, will manufacture fine, combed yarns. Arthur R. Sharp, of Boston, is to be its treasurer and general manager, Wm. H. Bent, Taunton, one of its directors and

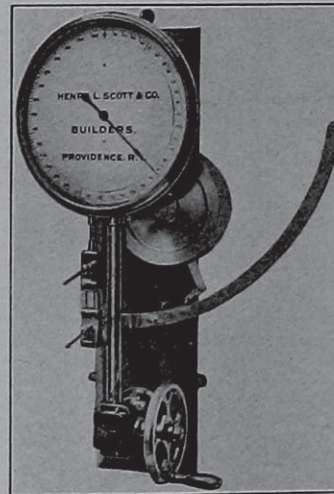
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## TEXTILE WORKER'S BUREAU

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

**Cotton Mill Superintendent Wanted**—Young man possessing executive ability in a Northern cotton mill, manufacturing ducks, scrim, fancy weaves, etc.; must be essentially a weaver; an excellent opening for an ambitious capable man in a well established and strongly capitalized business. Give full particulars as to age, experience, etc. All replies are considered confidential.

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.

### MILL NEWS—(Continued)

Robert Schofield its supt. They have opened temporary offices on Pleasant street.

**New Bedford, Mass.** Work on alterations in the plant of the Beacon Manufacturing Company has been started. The new building, which is to be a hundred feet square and one story in height, and to cost \$30,000, is to be used eventually as a dye house.

**North Fairhaven, Mass.** Eben C. Wiley, formerly with the Barnaby Mill, Fall River, is reported connected with an enterprise contemplating the erection of a large cotton mill here, at Spooner's Point.

**Plymouth, Mass.** A large brick dye-house 60 by 50 feet, is being erected by the Standish Worsted Co.

**North Adams, Mass.** It is rumored that W. C. Plunkett & Sons of Adams, will erect a big cotton mill here, instead of at Adams.

**South Acton, Mass.** The South Acton Woolen Co. has installed nine new cards.

**Three Rivers, Mass.** The Palmer Mill, of the Otis Co., is operating on full time.

**Wales, Mass.** Mary L. Brown, Quincy; Alonzo A. Pulverman and Harrison Hale Schaff have incorporated the Massachusetts Textile Mfg. Co., capital \$42,000, for the manufacturing of wool and other textile fabrics.

**Webster, Mass.** The Stevens Linen Co. is having plans prepared for extensive additions and alterations.

**Esmond, R. I.** Within the next few months, the Esmond Mills will increase capacity 25 per cent. When all this is in place, the total capacity will be 1,300,000 blankets per year. The "napping" machinery and which forms one of the most important items in the success of this mill is the one imported for the concern, by A. W. Buhlman, the prominent Textile Engineer of New York City.

**Greystone, R. I.** The mills of Joseph Benn & Sons, Ltd., are running full time; the spinning department is working day and night.

**Lymanville, R. I.** The Lymanville Co. are running all their machinery on a full time schedule.

**Pawtucket, R. I.** The Home Bleach and Dye Works are making a number of improvements among which are a large brick chimney and a retainer for holding 100,000 gallons of water to be used for bleaching purposes.

**Pawtucket, R. I.** It is reported that the American Textile Co., manufacturers of cotton and silk laces, is planning to practically double its capacity, and that work on the addition to the mill on Esten avenue will be begun soon.

**Pawtucket, R. I.** The American Textile Co. will build an addition to their mill, on Esten Avenue, which will give them a chance to double the capacity of their plant. The new machinery is expected to be installed in three months.

**Providence, R. I.** The American Silk Spinning Co. will erect an addition to their present mill on Admiral Street.

**Providence, R. I.** The Cadoza Lace Co. have incorporated with a capital of \$400,000, to manufacture lace and other fabrics.

**Providence, R. I.** The Tubular Woven Fabric Co. has been incorporated with a capital of \$25,000 by Lewis A. Waterman and others. They are to engage in the manufacture of elastic braided and woven fabrics.

**Providence, R. I.** The regular meeting of the National Reed Association, composed of loom reed manufacturers, was held in the Crown Hotel and was addressed by Geo. W. Gardner, Collector of the Port.

**Shannock, R. I.** The Columbia Narrow Fabric Co. will install additional looms.

**Westerly, R. I.** The Westerly Narrow Fabric Co. is running to its full capacity, the average daily output being about 300,000 yards.

**Woonsocket, R. I.** The Woonsocket Worsted Mills are building an 80 by 50 feet, three-story addition to their mill, to provide room for additional spinning machinery.

**Woonsocket, R. I.** The land and buildings of the Glenark Knitting Co., located at Glenark and Sayles streets, have been sold at auction to William J. Dunn of Fall River, on his bid of \$24,075. The purchaser also assumes the unpaid taxes on the property, which amount to \$1,037. The property is taxed for \$61,000. W. J. Dunn, the successful bidder, is a member of the syndicate which some time ago bought the land and buildings of the Rhode Island Dyeing and Finishing Co. in Woonsocket, immediately across the river from the land and buildings of the Glenark Co. At one time the Glenark plant was considered the largest knitting factory in the world.

**Beacon Falls, Conn.** P. J. Cullen, of the Warren Woolen Co., Stafford Springs, has leased the buildings of the Beacon Falls Mill and Power Co., for manufacturing kerseys and worsted suitings.

**Bridgeport, Conn.** The Salt's Textile Manufacturing Co. has let the contract for the erection of a four-story, 18 by 29 feet brick addition to their mills.

**Mechanicsville, Conn.** The French River Textile Co. contemplate the erection of an addition to their local plant. They also operate a branch mill in Woonsocket.

**Montville, Conn.** The mills of the Uncasville Mfg. Co., after being idle since May 28th, have resumed operations.

**New Haven, Conn.** The Pond Lily Co., bleachers of cotton goods, will erect a new store house as well as install additional machinery.

**New London, Conn.** The Brainard & Armstrong Co. have filed a certificate of its action to increase its capital stock. The new issue will enable the company to carry on extensive enlargement plans.

**Norwich, Conn.** James Dawson will give a site on the East Side for the erection of the factory if the Giron Bros. Co. of St. Etienne, France, decide to come here. It was previously reported that this firm had been invited to locate here and that the taxes would be exempted for ten years. The property is opposite the woolen mill on the East Side. Mr. Dawson will give the land and lease of the water privileges for \$1.

**South Manchester, Conn.** Cheney Bros. will erect a two story, brick office building, 85 by 100 feet.

**South Manchester, Conn.** Cheney Bros. are planting 50,000 pine trees over a small watershed which supplies their private reservoir, this being a step towards the reforestation of Connecticut.

**Stafford Springs, Conn.** The Rhode Island Worsted Co. has begun the operation of the plant which it recently acquired from the Stafford Worsted Co.

**Stafford Springs, Conn.** The Rhode Island Worsted Co. have started operations in the buildings of the Stafford Worsted Co., which they recently acquired, thus saving them the necessity of enlarging their main plant.



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*Taftville, Conn.* The Ponemah Mills Co. are installing 350 new looms in the weave shed which will accommodate 2,400 of them.

*Skowhegan, Me.* Edward T. Taft, Jr., Boston; M. M. Farrer and R. S. Buzzell, Augusta, have incorporated the Mars-ton Worsted Co., capital \$400,000.

*Newport, N. H.* The Brampton Woolen Co. are erecting a new weave shed, 90 by 90 feet, into which they will move their looms, adding at the same time 22 additional broad looms and other machinery. This will increase the capacity of the plant one-half.

*Newport, N. H.* The Brampton Woolen Co. is to build a weave shed to provide room for looms so as to increase their product from 14,000 to 22,000 yards a week.

*Albermarle, N. C.* The Efirid Manufacturing Co. have increased their capital stock by \$300,000.

*Burlington, N. C.* The Keystone Finishing Mills will erect a modern building, 60 by 120 feet, and will install machinery to provide for a daily output of 2000 dozen pairs of hosiery, as well as the paper boxes in which to ship to the jobbers.

*Burlington, N. C.* The Whitehead Hosiery Co. are installing machinery in their new addition, which will double the capacity of their plant.

*Concord, N. C.* The Roberta Mfg. Co. has been incorporated with a capital stock of \$100,000 by P. M. Keller of this city and others.

*Durham, N. C.* The Golden Belt Mfg. Co., at an expense of \$30,000, will erect a three-story, 75 by 120 foot addition to its plant.

*Elizabeth City, N. C.* J. Q. Wood and others are interested in the building of a new knitting mill, capital about \$40,000.

*Greenville, N. C.* W. H. Dail, Jr., of this city, has purchased the plant of the Commercial Knitting Co.

*Lexington, N. C.* The Decotah Cotton Mills, manufacturers of coarse colored goods, have started operations with an equipment of 10,000 spindles and 240 looms.

*Lumberton, N. C.* The Jennings Cotton Mill Co., organized here some time ago, will erect a one-story structure, 131 by 463 feet, and install 8,000 spindles for manufacturing hosiery yarns.

*Lumberton, N. C.* The Lumberton Cotton Mills are running on a day and night schedule and have just completed a concrete raw stock dyehouse.

*McAdenville, N. C.* The McAden Mills are reported as contemplating the installation of an indigo dyeing plant.

*Marion, N. C.* The first cotton manufacturing plant in Marion is now in operation, with an equipment of 12,500 spindles and 300 looms, for producing wide print cloths.

*Mayodan, N. C.* The Mayo Cotton Mills Co., of which Frank H. Fries, of Winston-Salem, is president, has increased its capital stock from \$300,000 to \$1,000,000. It is understood that they are contemplating extensive additions.

*Monbo, N. C.* The work on the erection of the new Turner Mills is completed and the machinery is being installed.

*Mountain Island, N. C.* The business of the W. & J. Knox Net & Twine Co. has been taken over by the Armon Mfg. Co., recently incorporated.

*Salisbury, N. C.* Gilbert F. Hambrey is interested in the organization and erection of a damask mill here, to cost about \$50,000.

*Thomasville, N. C.* The Amazon Cotton Mill is installing machinery and expect to be in operation by fall.

*Winston-Salem, N. C.* P. H. Hanes Knitting Co., to which we referred in the March issue, has started on the erection of its new spinning mill plant, the same comprising a large one-story building, 477 by 125 feet as well as three warehouses, each 50 by 100 feet.

*Chester, S. C.* The Wylie Mills, at the expense of \$150,000, are to build an addition to their mill, in order to install 500 looms, to thus use the yarn they are now spinning.

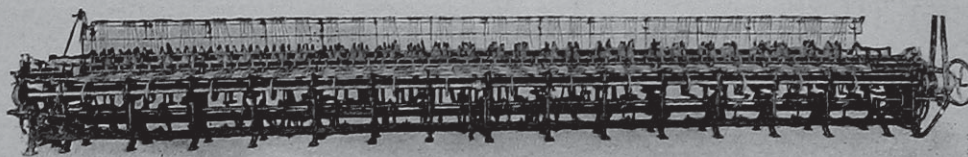
*Florence, S. C.* The Florence Mfg. Co., has been incorporated with a capital of \$200,000 by J. Willard Ragsdale, of this city, and others.

*Fountain Inn, S. C.* John T. and J. D. Woodside, of Greenville, and the Fountain Inn Mfg. Co., are interested in a plan to either enlarge that mill or organize a new company, the same to be equipped with 10,000 spindles and 300 looms.

*Greenville, S. C.* The Monaghan Mills have increased their capital stock by \$350,000.

*Lando, S. C.* The Manetta Mills, of this city, are to add 40 looms to their mill.





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 MANUFACTURER OF THE FAMOUS  
**Ludwig's Full Fashioned Hosiery Machines**  
 (COTTON'S SYSTEM)

SPECIAL IMPORTANT FEATURES: (PAT. DIVIDED NARROWING MACHINE  
 PAT. INTERNAL C.A.M.-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**

*Williamston, S. C.* John A. Hudgens, pres. of the Chicora Bank of Pelzer, S. C., is interested in the organization of a \$300,000 cotton mill here.

*Winnsboro, S. C.* The Fairfield Cotton Mills will increase the capital stock \$100,000, in order to make additions to their equipment.

*Augusta, Ga.* The Southern Textile Association at its meeting here, elected the following officers: President, W. P. Hamrick, superintendent Olympia mills, Columbia, S. C.; first vice president, Arthur T. Smith, superintendent Langley Manufacturing Co., Langley, S. C.; second vice president, E. E. Brown, overseer weaving, Great Falls Manufacturing Co., Rockingham, N. C.; third vice president, Superintendent Loray Mill, Gastonia, N. C.; fourth vice president, M. E. Stevens, superintendent Columbus Manufacturing Co., Columbus, Ga.; chairman board of governors, M. G. Stone, general superintendent Pacolet Manufacturing Co., Spartanburg, S. C.; members of the board, S. B. Rhea, master mechanic Monaghan mills, Greenville, S. C.; G. T. Lynch, superintendent Enterprise mill, Augusta, Ga.; W. H. Hardeman, overseer weaving, Newberry Cotton mills, Newberry, S. C.; secretary, G. S. Escott, Charlotte, N. C.; treasurer, David Clarke, Charlotte, N. C.

*La Grange, Ga.* The Unity Cotton Mills, it is reported, will erect an addition to their mill, to accommodate new winding machinery.

*Manchester, Ga.* The Manchester Cotton Mills will erect an addition to accommodate 108 new looms. These improvements will cost about \$40,000.

*Manchester, Ga.* The Manchester Cotton Mills will build an addition to provide the necessary room to install broad looms.

*Monticello, Ga.* The \$200,000 local cotton mill is an assured fact, and work will be begun on it in the near future.

*Raccoon, Ga.* John M., H. R. Berry and others, of Rome, Ga., have purchased the Raccoon Mills property, and have organized the Berryton Mills with a capital stock of \$150,000. They are to install knitting machinery for a daily output of 1,200 dozen pairs of women's hosiery, and 5,000 spindles for manufacturing yarns.

*West Point, Ga.* The Lang Manufacturing Co. will increase their capital stock by \$100,000, to make extensive improvements.

*Hillsdale, Md.* The Glasgow Mills, Frankford, Phila., have moved their plant (complete) to here, and combined with their Colonial Mills. Alfred Burnham is the genial manager of the concern.

*Alta Vista, Va.* A. C. Hutcheson, of Charlotte, N. C., and others, are to organize the Alta Vista Cotton Mill, capital \$300,000. According to plans, the mill will be equipped with 13,000 spindles and 300 looms for the manufacture of lawns and similar goods of high class.

*Huntsville, Ala.* James G. Johnston, agent for the Abingdon Cotton Mills, reports that they have sufficient orders on hand to keep them busy for three months.

*Ragland, Ala.* W. T. Brown is reported interested in organizing the Brown Cotton Mills, capital \$200,000, for equipping a 10,000 spindle mill.

*Roanoke, Ala.* The W. A. Handley Manufacturing Co. will build an addition to provide room for installing 120 broad looms.

*Erwin, Tenn.* The proposed cotton mill of O. P. Heath & Co. refers to a 10,000 spindle mill, for the start.

*Thorndale, Tex.* Work on the building of the \$35,000 cotton mill has been started.

*Milford Center, O.* Through the efforts of the Milford Center Commercial Club, the Lancaster (O.) Woolen Mills, have been induced to locate here. Business men have put up \$10,000 to effect the removal and the machinery will be transferred as soon as a building, 50 by 200 feet, is completed.

*Zanesville, O.* The Zanesville Woolen Mfg. Co. will tear down a portion of their old mill, providing space for a new structure, in which they will place additional machinery.

*Chicago, Ill.* Maurice Berkson, of this city, has incorporated the United Woolen Mills Co., under the laws of Delaware, with a capital of \$500,000.

*Grand Rapids, Mich.* The Globe Knitting Works are erecting a five-story, 50 by 120 foot addition to its plant, at a cost of \$21,000.

*Owosso, Mich.* The Western Knitting Mills, of Rochester, Mich., will build a branch plant here, which will give employment to several hundred hands.

*Port Huron, Mich.* John L. Fead & Sons, manufacturers of knit goods, have installed additional machinery and report business good.

*Milwaukee, Wis.* The Phoenix Knitting Works will erect a six story addition, 80 by 120 feet, at a cost of \$80,000.

*Milwaukee, Wis.* Owen & Sons Co. have started in the manufacture of yarn, it being their intention to install knitting machines later on, to use up surplus yarn.

*Sheboygan Falls, Wis.* The Brickner Woolen Mills are planning to erect a large dyehouse south of the mills.

*Westby, Wis.* L. H. Steckler, proprietor of the Avalanche Woolen Mills, has installed four automatic knitting machines for the manufacture of hosiery, and two looms for the manufacture of flannels. He will do his own dyeing and sell direct.

*Sioux Falls, S. Dak.* William Appleyard, a practical woolen man, will operate the old woolen mills at South Sioux Falls, which have stood idle for a number of years. The buildings will be enlarged and remodeled and new machinery installed.

*Topeka, Kan.* The Western Woolen Mills are installing new machinery and making alterations which will cost \$10,000. New carding and finishing machinery has been installed and new spinning machinery is on the way.

*Ardmore, Okla.* M. L. Alexander is reported negotiating with South Carolina cotton manufacturers regarding establishing a \$100,000 cotton mill.

*Clinton, Okla.* Messrs. Blackwelder, Holbrook, and others of Hickory, N. C., are interested in the erection of a large knitting mill here, with an annual output of 5,000,000 pairs of hose and other knitted garments.

*Albuquerque, N. Mex.* The wool growing farmers of this section are contemplating the purchase of a co-operative mill here, at a cost of \$120,000. Magnus Brown, of Farmington, Minn., president of the Minnesota Wool Growers' Association, is in charge of the proposition.



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

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110-114 West 32nd St., NEW YORK.

*McComb City, Miss.* The name of the McComb City Cotton Mills has been changed to the Delta Cotton Mills, and it is expected that they will start up operations in a short time.

*Mexico City, Mex.* The School for Agriculture and Veterinary Science has added a course for the culture of silk, under the direction of Homobono Gonzalez.

*Merriton, Ont.* McSloy Bros., hair-cloth manufacturers, have purchased the buildings formerly occupied by the Canadian Colored Cotton Co. and will make alterations to suit their business.

*Tokio, Japan.* The manager of the Fuji Gassed Yarn Spinning Co. reports that the output of yarn in Japan this year will show an increase of 150 per cent over last year. The greatest increase will be in the exports to China and it is his opinion that the future of the spinning industry of Japan is very bright, as every spindle in Japan is at the present time employed.

### ABOUT MEN YOU KNOW.

*Frank C. Sawtelle*, of Taunton, has been chosen assistant treasurer of the new Sharp Mill, New Bedford, Mass., with the understanding that later he is to become treasurer, taking charge of the financial end of the business, while John C. Sharp, at present treasurer, will devote his entire time to the business management of the plant from a technical standpoint.

*Wm. M. Taylor* is the new boss weaver at Wilton, N. H.

*Stephen M. Burgess* is the new designer at the Dunn Worsted Mills, Woonsocket, R. I.

*James H. Hendry* is the superintendent of the Ludlow Woolen Mills, Ludlow, Vt.

*William F. Shaw* is the new superintendent of the Assawaga Co., Killingly, Conn.

*Hector McConnell* is now superintendent of the Ballou Mills, Ballouville, Conn.

*Grosvenor Ely* is now secretary and treasurer of the Ashland Cotton Co., Jewett City, Conn.

*Thomas J. Park* is the new boss weaver at the Dumbarton Woolen Mills, Dexter, Me.

*L. I. Smith* is the new boss dyer for the Reynoldsville Woolen Co., Reynoldsville, Penna.

*Thomas Dyson* is now the designer and assistant superintendent of the Sutton Mills, North Andover, Mass.

*H. W. Kimball* is now superintendent of the Queen City Cotton Co.'s mill, Burlington, Vt.

*Mr. Judson* is the new boss finisher

at the Yantic Woolen Co., Yantic, Conn.

*James Farley* is now superintendent of the Superior Underwear Company, Piqua, Ohio.

*E. Lockerson* is the superintendent of the new Gilreath Mfg. Co., Greenville, S. C.

*Robert Barbour*, son of Colonel William Barbour, will hereafter be in charge of the plant of the Barbour Flax Spinning Co., Paterson, N. J.

*J. B. McFarland* is now boss weaver with the Milstead Mfg. Co., Milstead, Ga.

*W. L. Lowry* is now manager of the Monroe Cotton Mills, Monroe, N. C.

*Emile Coene* has accepted a position with the Salts Textile Co., Bridgeport, Conn. Mr. Coene recently resigned his position with the Haledon Tapestry Co., Paterson, N. J.

Duke Adolph Friedrich of Mecklenburg, one of the honorary reception committee of the American-German Exposition project, gave a dinner in honor of *Herman A. Metz*, honorary commissioner to the proposed exposition. Mr. Metz left for Meiningen to be the guest of the Emperor's sister, Princess Charlotte of Saxe-Meiningen. Mr. Metz is the head of H. A. Metz & Co., the prominent Dyestuff concern in this country.

*James Sinclair* is the treasurer of the new Charlton mill, Fall River, Mass.

*Albion C. Cook* is now head book-keeper at the Wampanoag Mills, Fall River, Mass.

*David Lindsay* has been appointed assistant superintendent of the German-American Co.'s mill, Draper, N. C.

*George H. Busiel* is now assistant manager of the Belknap Mills Corporation, Laconia, N. H.

*Will. L. Rodgers* is the new president and treasurer of the National Woolen Mills Co., Nashville, Tenn., and *W. H. Durkee* its manager.

*Richard T. Gough* is the new boss weaver of the Wallace & Smith Blanket Mills, La Porte, Ind.

*James H. Aspinwall* is the new boss spinner of the American Thread Co., Willimantic, Conn.

*Harry Adams* has been elected secretary and treasurer of the Springstein Mills, Chester, S. C.

*Irving Southworth* is the new superintendent of the Upper Pacific Mills and the Pacific Yarn Mill, Lawrence, Mass.

*William P. Clark* is the new designer at the New York Mills, New York Mills, N. Y.

*C. A. McCarthy* is the new superintendent of the Oakland Manufacturing

Co., Reisterstown, Md.

*James Dow* is the new general manager of the Provo Woolen Mills, Provo, Utah.

*LeRoy Phelps* is the new assistant superintendent of the Old Town Woolen Co., Old Town, Me.

*Mr. Kilmurry* is the new boss carder for the Danielsonville Cotton Co., Danielson, Conn.

*Francis Hallett* is the new purchasing agent of the New England Cotton Yarn Co., Taunton, Mass.

*Frank C. Sawtelle* is the new assistant treasurer of the Sharp Manufacturing Co., New Bedford, Mass.

*J. P. McNeill* has taken the position of superintendent of the Locke Cotton Mills Co., Concord, N. C.

*J. E. Wright* has been appointed assistant superintendent of the Locke Cotton Mills Co., Concord, N. C.

*James Farley* is now superintendent of the Superior Underwear Co., Piqua, O.

### OBITUARY

*Hon. Edwin Tyler Marble*, of the Curtis & Marble Machine Co., one of Worcester's foremost business men and public spirited citizens, aged 83 years.

Mr. Marble was active until June 17. He was in the habit of going to the office of the company during the day, usually from 10 or 11 o'clock until noon. For the past five years he did not attend to the details of the business closely, leaving the bulk of it to his sons.

Mr. Marble was the oldest son of Royal Tyler and Ann Bailey (Clement) Marble. He was born in Sutton, Aug. 18, 1827. He came to Worcester in 1841. At the age of 18 years he went to work in the machine shop of Albert Curtis and served an apprenticeship of three years. After attaining his majority, he worked at his trade as journeyman, foreman and superintendent in various machine shops in Worcester, whose industries were then in their infancy. He entered business for himself as a manufacturer in April, 1863, with Albert Curtis under the name of Curtis & Marble. The business grew steadily, and additions to the facilities were made from time to time.

In April, 1895, Mr. Marble bought the interests of Mr. Curtis in the business and became sole proprietor.

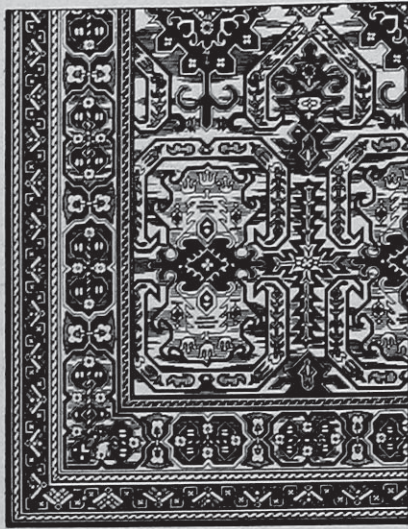
The Curtis & Marble Machine Co. was incorporated Dec. 31, 1895. The capital stock is \$75,000. Mr. Marble was president and treasurer, retaining those positions until his death. The other officers are: Vice-president, Edwin H. Marble; secretary, William C. Marble; cashier, Charles F. Marble; superintendent, Albert C. Marble.

They manufacture wool-burring, pick-



NEW DESIGNS FOR RUGS AND CARPETS.

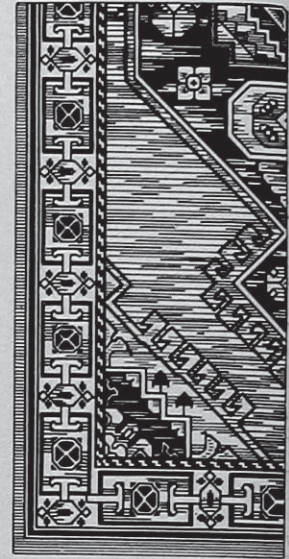
We herewith show six new designs for Rugs and Carpets just patented, viz:



A



B



C



D



E




F

A, B, C and D are new designs for Rugs, showing one-quarter of a Rug, by John H. Witzel, New York.

E is a plan view of a new design for Carpets, by John H. Witzel, New York.

F is a portion (one-half long and four-sevenths wide) of a new design for Rugs, by William G. Reith, New York.

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**SHEET METAL WORKER**  
 Cylinders, Rollers, Spool Drums, Etc.  
 Ordered Work a Specialty Established 1865  
 1633 N. SECOND ST. Philadelphia, Pa.



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 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.

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*Soldered Reed Work a Specialty.  
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ing and mixing machinery and cloth finishing machines in all its varieties, for cotton, woolen, worsted and felt goods, velvets, plushes, corduroys, carpets, rugs and mats. The machinery is known and used in every state in the Union. Their machines find market in Mexico, South America, Russia, England, Germany and Japan. The success of the business was due largely to the shrewdness and business ability of Mr. Marble, who devoted his energies to it, and who retained a lively and active interest in the business until forced by sickness to give it up. He found it a source of pleasure after success, as he found it a duty while achieving success. Mr Marble saw the business grow from the few hands until it requires regularly about 150.

*Samuel A. Crozer*, of S. A. Crozer & Son, cotton goods manufacturers, Upland, Chester, Pa.

*George Dexter*, a multi-millionaire, long identified with the cotton industry and a director of many corporations, died at Prides Crossing, Mass.

*Robert Lincoln Lippitt*, formerly man-

ager and agent of Lippitt Woolen Co., Woonsocket, R. I.; lately retired.

*J. C. Atkins*, manager Wyoming Valley Lace Mills, Wilkesbarre, Pa. To him is given the credit of establishing the lace industry in this country, in 1885.

*Joseph Smalley*, retired hosiery manufacturer, Germantown, Philadelphia.

*Lewis T. Downes*, the founder of the Riverside Mills, Providence, R. I. One of the most prominent business men in New England.

*Walter H. Summersby*, agent of the Atlantic Cotton Mills, Lawrence, Mass.

*Emanuel Schloss*, of Schloss Bros., clothing manufacturers, New York.

*William H. Parsons*, of Parsons & Baker, knit goods manufacturers, Phoenixville, Pa.

*Duncan M. Cook*, superintendent Sterling Cotton Mills, Franklinton, N. C.

*R. D. Cole, Sr.*, president Newman Cotton Mills, Newman, Ga.

*W. J. De Treville*, since 1903 secre-

tary of the Houston Cotton Exchange, Houston, Texas.

*Harry W. Burford*, salesman for Jansen & Pretzfeld, silk manufacturers, Paterson, N. J., and Lebanon, Pa.

*W. A. Gardner*, representative of the Duplan Silk Co., of Hazelton, Pa.

*Ransom E. Smith*, of R. E. Smith & Son, wool dealers, 200 Summer street, Boston.

*Henry W. Taylor*, of Schell, Taylor & Longstreth, cotton yarns, 230 Chestnut street, Philadelphia.

*Frank Bowden*, assistant cashier of L. F. Dommerich & Co., commission merchants, New York.

*John Harrison Byrd*, of Wyman, Byrd & Co., cotton commission merchants, New York.

*Clarence Eugene Kirkpatrick*, financial man for Metcalf Bros., operating the Auburn Woolen Mills, Auburn, N. Y.

*Theodore J. Friedleben*, auditor of the silk mills of R. & H. Simon at Union Hill and Easton, Pa.

On July 1st., 1910, the name of the Corporation heretofore known as the Sipp Electric & Machine Company, Paterson, N. J., has been changed to *The Sipp Machine Company*. This change of name was made solely on account of the fact that the larger part of their product consists of Textile Machinery and general machine and contract work.

Owing to their rapidly increasing business they have in conjunction with the change of name found it necessary to increase their capital stock to \$300,000.

There is no change of management with the adoption of the new name, and all business will receive the same careful attention as heretofore.

### ANGOLA WASTE.

Angola waste (a waste product of English mills manufacturing heavy woolen goods) is shipped every year by the hundreds of tons, from the Bradford district to Germany, to be there used on railways for engine wiping or as axle-box packing waste. Germany admits this waste free of duty, despite the duty on wool waste.

Angola waste is composed of soft, low grade cotton and low quality mungo. It is the lowest class of woolen thread waste; often on dissecting it, one can

see that the wool fibre is so short that a cotton thread is twisted around it to hold it together or it would have had originally no weaving quality whatever.

In our country there is also a large demand by the railways for this waste to be used for the same purpose, but although cotton waste is admitted free of duty, this angola waste is not so treated. The important point in the matter is that it is understood that the railroads in this country, finding cotton waste not suitable for axle-box packing, as it is not sufficiently elastic, are now using pure wool waste, when they cannot obtain the angola waste. Not only would a great saving be made by substituting this angola waste, which now sells here for about 4 cents per pound, but the limited amount of pure wool waste produced here, and which is worth considerably more than the angola waste, could all be utilized in the manufacture of woolen goods.

### SOUTHERN TEXTILE MEN MEET.

With the largest attendance in its history, the Southern Textile Association met July 2nd. Prominent mill men from all sections of the South were there. Charlotte, N. C., and Greensboro, N. C., entered strong bids for the next convention.

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# Woonsocket Speeders Lead



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THE HIGHEST GRADE OF  
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Gauges up to 24 Needles per inch

Six to Sixteen Feeds

Fabric equal to finest French Webbing

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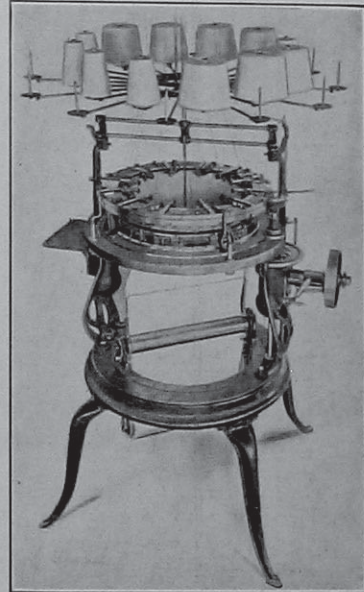
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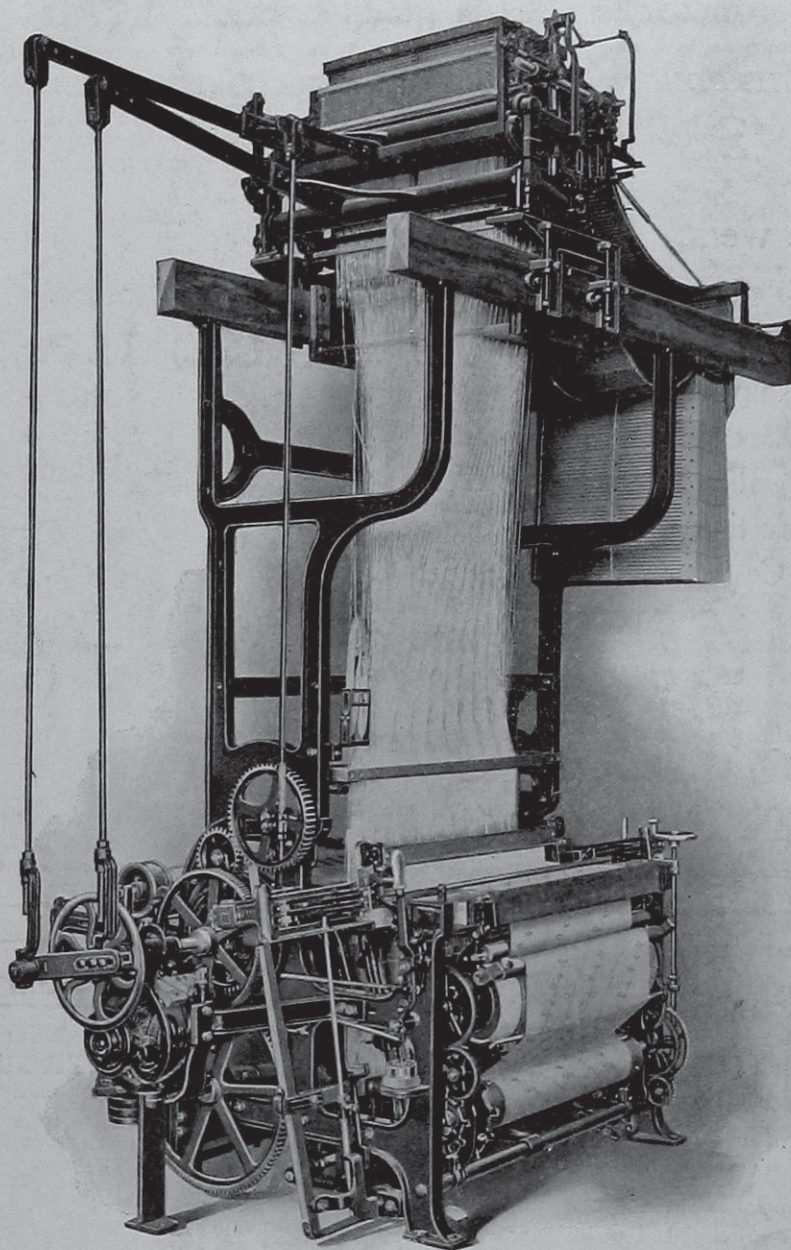
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