

MILL NEWS

Frank Suffel, president of the Northland Knitting Co., Minneapolis, Minn., suffered a badly lacerated leg recently in an automobile accident.

Harry Ball, formerly of Paris, Ont., Canada, but later with the Kingston Hosiery Co., Kingston, Ont., has accepted a position with the Allentown Eiderdown Co., Allentown, Pa.

C. B. Atkins has been appointed superintendent of the sweater department for Burns & Snow, manufacturers of gloves and mittens, Nashua, N. H. He was formerly employed at Newark, N. J.

W. S. Lowe has accepted the position of superintendent of the Parker Hosiery Mill & Dye Works, Portsmouth, Va.

Joseph Dequoy has accepted the position of overseer of knitting at the Yale Knitting Co., Malden, Mass.

Henry F. McDermott, overseer of knitting at the Yale Knitting Co., Malden, Mass., has severed his connection with that company.

Joseph Wood has been appointed overseer of weaving at the Dominion Textile Co., Ltd., Montreal, Canada, at their Mt. Royal branch. He comes from Lowell, Mass.

J. E. Carter has accepted the position of overseer of weaving at the Pomona Mills, Greensboro, N. C. He was formerly employed at the Eno Mill, Hillsboro, N. C.

H. E. Bates has succeeded D. R. Harriman as superintendent of the McNaghan Mill, Greenville, S. C. He was formerly employed at the Apalache Mills, Arlington, S. C.

J. E. Williamson has been elected secretary, treasurer and manager of the Holt-Morgan Mills, Fayetteville, N. C. He was formerly employed as manager of the Worth Manufacturing Co., Worthville and Central Falls, N. C.

J. C. Montjoy has been appointed superintendent of the Apalache Mill, Arlington, S. C. He was formerly employed at the Ottaray Mill, Union, S. C.

W. L. Wicker has accepted the position of overseer of beaming and slashing at the Aurora Mill, Burlington, N. C. He was formerly employed at the Patterson Mill, Roanoke Rapids, N. C.

U. A. Neese has accepted the position of overseer of carding and spinning at the King Cotton Mill, Burlington, N. C. He comes from Haw River, N. C.

P. Sparks has been appointed superintendent of the Park Cotton Mills, La Grange, Ga. He comes from Shawmut, Ala.

H. D. Lockwood succeeds Robert J. Edwards as treasurer of the Bates Manufacturing Co., Lewiston, Me., and the Edwards Manufacturing Co., Augusta, Me. Mr. Lockwood was assistant treasurer of the Pacific Mill, Lawrence, Mass.

Courtland C. Earle has accepted the position of selling representative for the Howard & Bullough American Machine Co., Pawtucket, R. I. He was formerly employed as overseer of carding at the Hebron Manufacturing Co., Hebronville, Mass.

Thomas M. Corcoran has succeeded his father, the late Edmond Corcoran, as superintendent of the Shackamaxon Mill, Philadelphia, Pa.

Robert Bingham, overseer of finishing at the Wood Worsted Mill, American Woolen Co., Lawrence, Mass., has severed his connection with that company.

Paul G. Wetstein has accepted the position of overseer of weaving at the Cocheco Woolen Manufacturing Co., East Rochester, N. H. He was formerly employed at the French River Textile Co., Mechanicsville, Conn.

Harry D. Hewett, superintendent of the Derby Worsted Co., Derby, Conn., and Abraham Novitzky, treasurer of this company, have severed their connection with that company.

Joseph Tellier has secured the position of overseer of weaving at the Paragon Worsted Company's branch mill at Woonsocket, R. I. which mill was formerly operated by Sayles & Prendergast.

H. F. Govin has been appointed superintendent of the Derby Worsted Co., Derby, Conn. He comes from the Mianus Manufacturing Co., Coscob, Conn.

Thomas Igo, for a number of years overseer of the spinning department at the Cocheco Woolen Manufacturing Co., East Manchester, N. H., has resigned to accept a similar position with the Bound Brook Woolen Co., Bound Brook, N. J.

E. Mc D. Baechtel, superintendent of the Blue Ridge Knitting Co., Inc., Hagerstown, Md., has resigned to accept a similar position at Nicholasville, Ky.

Charles F. Libby, formerly superintendent of the Shaw Stocking Co., Lowell, Mass., has been offered a position in a large Canadian hosiery mill.

J. C. Tibbetts, chemist and dyer at the Lawrence Dye Works, Lawrence, Mass., has resigned.

William H. Ryder, overseer of finishing at the Lawrence Dye Works, Lawrence, Mass., has severed his connection with that company.

Frank Ward has reentered the employ of the National Knitting Co., Milwaukee, Wis., as overseer of carding and spinning.

Albert Ainley, overseer of weaving at the Coronet Worsted Co., Mapleville, R. I., has severed his connection with that company. He has accepted a similar position at Long Beach, Cal.

Thomas Kiley has accepted a position as foreman of the bleaching department at the Greenwich Bleachery, East Greenwich, R. I. He has been employed for over twenty-five years at the Sayles' Bleacheries, Saylesville, R. I.

John Vernon, overseer of weaving at the Narragansett Mill, Fall River, Mass., and William Bradshaw, second hand in the weaving department, have severed their connection with that company.

James R. Garnett has accepted the position of overseer of finishing at the Cocheco Woolen Manufacturing Co., East Rochester, N. H. He was formerly employed at the Oakland Woolen Mills Co., Oakland, Me.

Patents

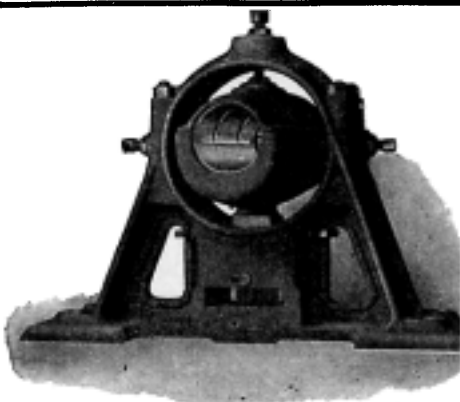


Trademarks

MUNN & CO.,

363 Broadway,
New York.

Patent Specialists in
the Textile Industry.



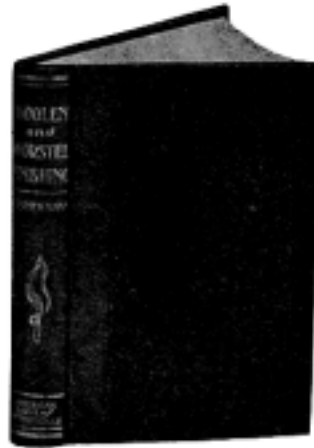
Power Transmission Machinery

Cresson-Morris Company

Successors to
Geo. V. Cresson Co.
Morris Engineering Co.
Engineers *Founders* *Machinists*
Philadelphia, Pa. 90 West Street
New York

Woolen and Worsted Finishing

By JOHN F. TIMMERMAN



The methods and machinery used in finishing practically all classes of wool and worsted goods are explained. There is a chapter on finishing Chinchillas, besides chapters on other special finishes. 332 pages; 100 illustrations; half leather binding

Price \$3.00. Express prepaid.

Lord & Nagle Company

144 Congress St., Boston, Mass.

Established 1870

John Heathcote & Son

Providence, R. I.
Builders of Improved

Cloth Tentering and Drying Machinery

for WOOLENS, WORSTEDS, FELTS, etc.

Built Upright or Horizontal
with Low Down Feed Ventilating Fans
a Specialty

Send for Catalogue

MILL NEWS

Fred P. Harmon, overseer of finishing at the Cocheco Woolen Manufacturing Co., East Rochester, N. H., has severed his connection with that company.

Arthur C. Bigelow has been elected president of the Philadelphia Wool & Textile Association, Philadelphia, Pa.

Thomas Newey has accepted the position of overseer of bleaching at the Saxony Knitting Mills, Needham Heights, Mass. He was formerly employed at the Newton Mills, Newton Upper Falls, Mass.

Abraham Senior, for the past six years overseer of the bleaching department at the Saxony Knitting Mills, Needham Heights, Mass., has severed his connection with that company.

T. W. Haddle has accepted the position of overseer of spinning, spooling and warping at the Martel Manufacturing Co., Egan, Ga. He comes from Newry, S. C.

John Mahoney has accepted the position of overseer of dyeing at the Stonewall Cotton Mills, Stonewall, Miss. He was formerly employed at the Locke Mill, Concord, N. C.

H. C. Dresser has been appointed general manager of the Middleburg Mills, Batesburg, S. C., and the Martel Mills, Egan, Ga. He was formerly employed at the Oconee Mills, Westminster, S. C.

W. W. Cobb has accepted the position of overseer of spinning at the Monarch Mills, Union, S. C. He was formerly employed at the Belton Mills, Belton, S. C.

Lester Lytton has accepted the position of overseer of carding at the new Highland Cotton Mills, High Point, N. C.

W. H. Talbert, overseer of finishing at the Burlington Mill, American Woolen Co., Winooski, Vt., has accepted a similar position at the Black River Woolen Co., Ludlow, Vt.

Frederick Halterman has been appointed general manager of the Derby Worsted Co., Derby, Conn. He comes from Passaic, N. J.

Fred Harmon has accepted the position of overseer of finishing at the Talbot Mill, North Billerica, Mass. He was formerly employed at the Cocheco Woolen Manufacturing Co., East Rochester, N. H.

Henry Howard, assistant superintendent of the Tingue Manufacturing Co., Seymour, Conn., has been appointed superintendent to succeed the late Thomas F. Burke.

Nelson Tapin has accepted the position of second hand of ring spinning at the Dwight Manufacturing Co., Chicopee, Mass. He comes from Holyoke, Mass.

John P. Lockwood, overseer of weaving at the Ashtabula Worsted Co., Ashtabula, O., has severed his connection with that company.

Thomas Hart, Jr., has accepted the position of overseer of weaving at the Coronet Worsted Co., Mapleville, R. I. He was formerly employed at the Yantic Woolen Co., Yantic, Conn.

Edward C. Russell has accepted the position of overseer of finishing at the Lincoln Woolen Co., Camden, Me. He was formerly employed at the Rockville Worsted Co., Rockville, Conn.

Fred Langley has accepted the position of overseer of spinning at the Patrick-Duluth Woolen Mills, Duluth, Minn. He comes from Pittsfield, Mass.

Frank Porter has accepted the position of overseer of carding at the Hebron Manufacturing Co., Hebronville, Mass. He comes from Providence, R. I.

Peter Eberhart has accepted the position of overseer of finishing at the Patrick-Duluth Woolen Mills, Duluth, Minn. He comes from Worcester, Mass.

George Copeland has accepted the position of overseer of weaving at the Lebanon Mill, American Woolen Co., Lebanon, N. H. He was formerly employed at the Bound Brook Woolen Mills, Bound Brook, N. J.

William B. Plunkett, treasurer of the Berkshire Cotton Manufacturing Co., Adams, Mass., and his son, Theodore R. Plunkett, are spending a short time at their cotton plantation in Mississippi.

Carl Foster, purchasing agent for the New England Cotton Yarn Co., New Bedford, Mass., has severed his connection with that company. Mr. Foster is to open a cotton broker's office in New Bedford.

Thomas Hanson, overseer of spinning at the Tilton Mill, Tilton, N. H., has resigned to accept a similar position with John Dobsen, Falls of Schuylkill Mill, Philadelphia, Pa.

George E. Walls, overseer of carding at the Newmarket Manufacturing Co., Newmarket, N. H., has resigned his position with that company.

Herbert Galusha has accepted the position of overseer of spinning at the Franklin Mills, Franklin Falls, N. H.

Edward Welch, overseer of carding at the Globe Woolen Co., Utica, N. Y., has secured a similar position with the Allen Woolen Mills, Rochester, N. Y.

Lawrence Oberliss, overseer of spinning at the Globe Woolen Co., Utica, N. Y., has accepted a position as overseer of spinning on the night force at the Allen Woolen Mill, Rochester, N. Y.

Albert Hughes, formerly loom fixer at the Allen Woolen Mills, Rochester, N. Y., has been appointed night overseer of weaving.

Walter D. Yeaton has accepted the position of second hand of finishing at the Saxton's River Woolen Mills, Saxton's River, Vt. He comes from Pittsfield, Mass.

Frank A. Duff has accepted the position of overseer of wet finishing at the Standish Worsted Mills, Plymouth, Mass. He was formerly employed at the Burlington Mills, Winooski, Vt.

A. C. Marsh has been appointed manager of the Ypsilanti Underwear Co., Ypsilanti, Mich. He was formerly employed at the Mercury Mills, Hamilton, Ont., Canada.

TEXTILE BOOKS

THE following list contains the titles of some of the textile books which we recommend. We carry these in stock for prompt delivery. Our full descriptive catalog, giving lists of practically all textile books published in the English language, with a brief synopsis of contents, will be mailed free.

General Subjects

Advanced Textile Design, <i>Watson</i>	\$4 00
Art of Soap Making, <i>Watt</i>	3 00
Calculations in Yarns and Fabrics, <i>Bradbury</i>	1 25
Carpet Manufacture, <i>Bradbury</i>	3 00
Color in Woven Design, <i>Beaumont</i>	6 00
Design Texts, <i>Umpleby</i>	2 50
Drying by Means of Air and Steam, <i>Hausbrand</i>	2 00
Flax, Hemp and Jute Spinning and Twisting,	
<i>Carter</i>	3 00
Improved Slide Rule, <i>Hogg</i>	3 50
Introduction to Study of Textile Design,	
<i>Barker</i>	2 50
Jacquard Weaving and Designing, <i>Bell</i>	4 00
Manual of Weave Construction, <i>Kastanek</i>	1 00
Silk Throwing and Waste Silk Spinning,	
<i>Rayner</i>	2 50
Simplex Tables.....	5 50
Spinning and Twisting of Long Vegetable	
Fibres, <i>Carter</i>	5 00
Story of Textiles, <i>Walton</i>	3 25
Technical Testing of Yarns and Fabrics,	
<i>Herzfeld</i>	3 50
Textile Design, <i>Woodhouse and Milne</i>	3 25
Textile Design, <i>Umpleby</i>	3 00
Textile Design and Color, <i>Watson</i>	2 50
Textile Fibres, <i>Matthews</i>	4 00
Textile Soaps and Oils, <i>Hurst</i>	2 50
Textiles, <i>Barker</i>	2 00
Warp Preparation and Weaving, <i>Nelson</i>	3 00
Waterproofing of Fabrics, <i>Mierzinski</i>	2 50
Weaving, Plain and Fancy, <i>Nelson</i>	1 25

Cotton Manufacture

Carding and Spinning, <i>Ivey</i>	\$1 00
Chemistry of Tape Sizing, <i>Cooper</i>	1 50
Cotton Carding, <i>Lindsay</i>	50
Cotton Cloth Designing, <i>Holmes</i>	2 00
Cotton Combing Machines, <i>Thornley</i>	3 00
Cotton Manual, <i>Broadbent</i>	75
Cotton Mill Commercial Features, <i>Tompkins</i> ..	5 00
Cotton Mill Machinery and Calculations,	
<i>Parker</i>	1 50
Cotton Spinning, <i>Hedrick</i>	3 00
Cotton Spinning (3 vols.), <i>Taggart</i>	7 50
Cotton Spinning, (3 vols.), <i>Thornley</i>	6 50
Cotton Waste, <i>Thornley</i>	3 00
Humidity in Cotton Spinning, <i>Dobson</i>	1 50
Loomfixing and Weaving, <i>Ivey</i>	1 25
Mule Spinning, <i>Thornley</i>	3 00
Plain Series of Cotton Spinning Calculations,	
<i>Cook</i>	1 00
Practical Cotton Calculations, <i>Whitworth</i>	1 00
Self-Acting Mules, <i>Thornley</i>	3 00
Structure of the Cotton Fibre, <i>Rowman</i>	3 00
Students' Cotton Spinning, <i>Nasmith</i>	3 00

Woolen and Worsted Manufacture

Cone Drawing, <i>Buckley</i>	\$ 50
Faults in the Manufacture of Woolen Goods	
and their Prevention, <i>Reiser</i>	2 50
Finishing of Textile Fabrics, <i>Beaumont</i>	4 00
How to Make a Woolen Mill Pay, <i>Mackie</i>	2 00
Manual of Cloth Finishing.....	6 50
Practice in Finishing Woolens and Worsteds,	
<i>Greene</i>	50
Principles of Wool Combing, <i>Priestman</i>	1 50
Principles of Woolen Spinning, <i>Priestman</i>	2 50
Principles of Worsted Spinning, <i>Priestman</i>	2 50
Structure of the Wool Fibre, <i>Bowman</i>	3 00
Wool Carding and Combing, <i>Barker and</i>	
<i>Priestly</i>	1 50
Woolen and Worsted Loomfixing, <i>Ainley</i>	1 00
Woolen and Worsted Finishing, <i>Timmerman</i>	3 00
Worsted Overlooker's Handbook, <i>Buckley</i>	50
Worsted Preparing and Spinning, <i>Bradbury</i>	
<i>and Buckley</i>	1 50

Bleaching, Dyeing, Printing, Finishing, Etc.

Aniline Black, <i>Noelling and Lehne</i>	\$5 00
Bleaching and Dyeing of Vegetable Fibrous	
Materials, <i>Hubner</i>	5 00
Bleaching of Linen and Cotton Yarn and	
Fabrics, <i>Tatfer</i>	5 00
Chemistry and Practice of Finishing (2 vols.),	
<i>Bean and McCleary</i>	15 00
Chemistry and Practice of Sizing, <i>Bian and</i>	
<i>Scarisbrick</i>	10 00
Color Printing of Carpet Yarns, <i>Paterson</i>	3 50
Dressings and Finishings for Textile Fabrics	
and Their Application, <i>Poll-yu</i>	3 00
Dyeing of Textile Fabrics, <i>Hummel</i>	1 75
Laboratory Manual of Dyeing and Textile	
Chemistry, <i>Matthews</i>	3 50
Manual of Dyeing (2 vols.), <i>Knecht, Rawson</i>	
<i>and Loewenthal</i>	12 00
Mercerization (2 vols.).....	7 50
Methods of Textile Chemistry, <i>Dannerth</i>	2 00
Practical Cotton Finishing.....	1 25
Principles and Practice of Textile Printing,	
<i>Knecht and Fothergill</i>	10 50
Principles of Bleaching and Finishing of	
Cotton, <i>Trotman and Thorp</i>	5 00
Printing of Textile Fabrics, <i>Rothwell</i>	6 00
Science of Color Mixing, <i>Paterson</i>	3 00
Silk Dyeing, Printing and Finishing, <i>Hurst</i> ..	2 00
Textile Chemistry and Dyeing, <i>Oiney</i>	3 00
Textile Fabrics and Their Preparation for	
Dyeing, <i>Hasluck</i>	1 00

Any of the above sent postage or express prepaid on receipt of price. Subscribers to the TEXTILE WORLD RECORD may buy books from us with the understanding that if not satisfactory, they may be returned within five days (postage or express paid) if in good order, and money will be refunded.

Lord & Nagle Co., Boston, Mass.

MILL NEWS

Montana, Great Falls. A company has been organized under the style of the Montana Flax Fibre Company and contemplates establishing several flax tow mills to utilize flax straw which is now burned. The first of these mills is being built at Conrad and will be completed about January 1, at a cost of about \$30,000, according to report, and will use a new process. The inventor of the process is at present in England with samples of flax tow that have been produced from Montana flax.

*New Hampshire, Keene. The webbing factory being built here will operate under the style of the Keene Artistic Narrow Web Company and will be a branch of the New Hampshire Artistic Web Company of Barnstead, N. H. Manufacturing will begin next month. The class of goods manufactured at Barnstead will be made in the new plant and operations will start with 50 looms.

New Hampshire, Suncook. The business of the Suncook Artistic Webbing Company has been incorporated under the same name with capital stock of \$10,000 and it is proposed to enlarge the plant. The present plant contains 11 looms weaving narrow silks, insertions, wash trimmings and edgings and was established about a year ago by Emil Zinn, formerly of the Barmen Webbing Co., at Gossville, N. H. J. S. Dearborn is president; George F. Georgi, treasurer; and Emil Zinn, manager and buyer.

New Jersey, Camden. Philadelphia contractors are estimating on plans and specifications for a new power house, 40 by 60 feet, to be erected at 3rd and Everitt Sts. for Eavenson & Levering, scourers and carbonizers of wool.

New Jersey, Montville. A Mr. Booth, formerly an overseer for John Capstick & Sons, has taken over a building of the Capstick plant which was not destroyed in the fire several months ago and is operating under the name of the Montville Finishing Company. A new brick building, 125 by 50 feet, 1 story high, is being erected as an addition to the plant. As noted in a previous report, John Capstick & Sons expect to rebuild next year.

New Jersey, Passaic. M. Desaye & Co., dyers, bleachers and finishers of tapestries, laces and piece goods, are building a one-story addition, 50 by 50 feet.

New Jersey, Paterson. John J. Holder and Edward J. Schellenberg have organized a new corporation under the style of the American Ribbon Finishing Company with authorized capital stock of \$100,000 to take over the business heretofore conducted under the name of Schellenberg & Holder. Fifteen thousand dollars have been paid in. The business will be moved from the Lakeview Mill to the Ball Mill and additions made to the equipment.

New York, Glenham. A new bleachery has been equipped by the Glenham Embroidery Company to finish its goods and to do some commission work for outside parties. It is to be operated under the name of the Beacon Bleachery and will handle embroidered goods exclusively. A

large part of the equipment, which includes singeing, finishing and mercerizing machinery, has been imported from Germany. The construction of the plant of the Beacon Bleachery is arranged so that the capacity may be doubled and this increase will be made as soon as there is a bigger demand for the class of work turned out. The machines are driven by individual electric motors. A dam 45 feet high has been built across the Fishkill Creek by the Glenham Embroidery Company and furnishes 1500 h. p., part of which is used in the new bleachery. Mr. Brann is in charge of the bleaching department and Mr. Westermann supervises work in the finishing department.

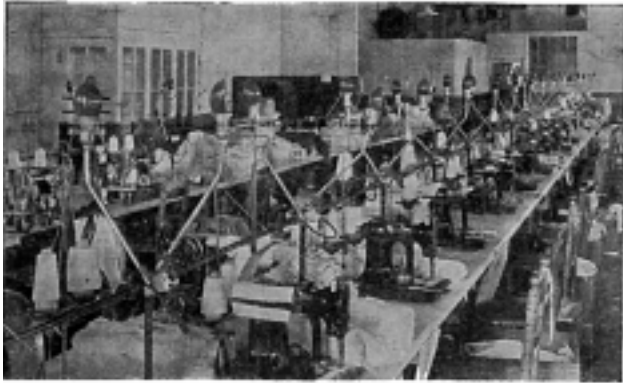
*New York, Little Falls. In August it was reported that James E. Dingman and Robert L. Babcock had formed a partnership to manufacture mattresses and carpet linings in a plant to be equipped on Loomis Island. The new concern has been incorporated under the name of the Textiles By-Products Corp., with authorized capital stock of \$20,000 by Messrs. Dingman and Babcock and Robert F. Livingstone, of Little Falls. Mr. Dingman is president and manager of the Dingman Company which operates a plant on cotton and jute bats, mattress felts, etc., on Mohawk St., with an annex on Mill St.

North Carolina, Henderson. An addition, 30 by 60 feet, of brick construction, will be built to the plant of the Carolina Bagging Co., and the construction contract has been awarded to W. H. Fogleman of Henderson. This concern manufactures jute bagging for covering cotton and has four pickers, 17 cards, 400 spindles and 12 broad looms.

Pennsylvania, Marcus Hook. Ballinger & Perrot have completed drawings and specifications and invited bids for three additional buildings to the plant of the American Viscose Company, which will increase the present capacity between 50 and 60 per cent. One of the new buildings will be 135 by 423 feet, 2 stories high with basement, brick walls and saw tooth roof. The second building will be 78 by 152 feet, 5 stories high, brick walls, with floors and roof of reinforced concrete. The third building will be 1 story and basement, 117 by 173 feet. At the present time over 215 houses for operatives, a dining room building and a dispensary building are being built. The American Viscose Company manufactures artificial silk and has a New York office at 445 Broome St. C. A. Ernst is manager of the plant and buyer.

Pennsylvania, Philadelphia. Local architects are preparing plans and specifications for a new mill building and power plant to be erected on Main St., Manayunk, for A. T. Baker & Co., who are now located at Main and Carson Sts., where they are operating 42 looms on corduroys, velvets and plushes. The new building will be four stories high, 70 by 200 feet, and will be constructed of reinforced concrete, with metal sashes.

Rhode Island, Central Falls. New yarn winders are to be added to the equipment of Richardson, Foster & Co., dyers, bleachers and finishers of yarns, tops and piece goods. The plant is being operated overtime until nine o'clock five nights a week.



MORE LIGHT—MORE WORK

But at LESS Expense

The Hinsdill System is out of the way when not in use—but puts the light where wanted, when you want it. It gives more light at less expense. It keeps light away from operators eyes—hence—more work and fewer mistakes and “seconds.”

Adaptable to Any Class of Work

Cut shows the system in Earl & Wilson Shirt and Collar Factory. Any machinist can install it. *It pays big.*

Ask for “Textile Improved Factory Lighting.”

Hinsdill Electric Co.

550 Fulton Street - Troy, N. Y.

EFFICIENT POWER PUMPS OF QUALITY FOR BOILER FEEDING OR ANY SERVICE



Write for Bulletin D 204-52

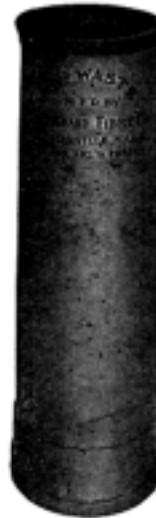
THE DEANE STEAM PUMP COMPANY

115 BROADWAY, NEW YORK
WORKS: HOLYOKE, MASS.

Branch Offices in all Principal Cities

D225.2

“NO WASTE”



Seamless Hard Fibre Roving Can

The Only Can For Fine Spinners
and the Very Best for
All Grades of Work.

It does not have the riveted seam
that strains and breaks
the sliver.

NO SEAMS or RIVETS

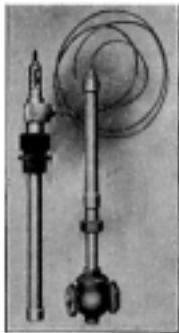
Absolutely Smooth

No Waste or Broken Ends

Write for prices.

MANUFACTURED BY THE

Standard Fibre Co.
SOMERVILLE, MASS.



SARCO TEMPERATURE REGULATOR

FOR TANK, DYE BATH AND ROOM REGULATION

No compressed air
No flat diaphragms
No electricity
No gas expansion
No metal expansion

This Temperature Regulator can be used for the regulation of temperature in dye tubs, to maintain them at the proper boiling temperature.

The Sarco is constructed on a new principle and supplies its own motive power. It is cheaper to install and costs nothing to operate.

WRITE FOR CIRCULARS

SARCO ENGINEERING CO.

114 Broad St., New York

MILL NEWS.

Robert Sargeant has accepted the position of overseer of carding at the Barre Wool Combing Co., South Barre, Mass. He was formerly employed at the Bigelow Carpet Co., Clinton, Mass.

Hugh Gallagher has accepted the position of overseer of the cloth department at the Appleton Mill, Lowell, Mass. He was formerly employed at the Harmony Mills Co., Cohoes, N. Y.

George E. Widdoes has again entered the employ of the Ounegan Mill, American Woolen Co., Old Town, Me., as overseer of finishing.

C. C. Brown will take charge of the slashing, warping and spooling departments at the new Dan River Mill, Schoolfield, Va., on completion of the plant. He was formerly employed at the Oneida Mill, Graham, N. C.

T. M. McNeill has been promoted to the position of superintendent of the Ottaray Mill, Union, S. C.

J. J. Hyder has accepted the position of overseer of weaving at the Avondale Mills, Birmingham, Ala. He was formerly employed at the Exposition Mills, Atlanta, Ga.

W. P. Wallace has been elected president of the reorganized Social Circle Cotton Mills, Social Circle, Ga. He comes from Rutledge, Ga.

J. T. Phillips has accepted the position of overseer of dyeing at the Victor Mills, Greer, S. C. He comes from Burlington, N. C.

J. D. Beacham, formerly assistant superintendent of the Chiquola Mill, Honea Path, S. C., has been promoted to the position of superintendent.

J. B. Foster has accepted the position of overseer of beaming at the Oneida Mill, Graham, N. C. He was formerly employed at the Elmira Mills, Burlington, N. C.

Rudolph Kleinjung, secretary and general manager of the New Jersey Worsted Spinning Co., Garfield, N. J., died at his home in Ridgewood, N. J., after a short illness at the age of 54 years.

Max Froelicher Stehli, for forty years head of the silk firm of Stehli & Co., Zurich, Germany and New York City, died suddenly November 24, of heart disease, at Zurich.

M. Middy, for the past three years overseer of knitting at the Stuart-Hance Underwear Co., Piqua, O., has severed his connection with that company.

Frank Rogers has been promoted to the position of superintendent of the Rathbun Knitting Co., Woonsocket, R. I. He formerly held the position of overseer of carding at this mill.

D. M. Mullen, superintendent of the Parker Hosiery Mill & Dye Works, Frostburg, Md., has resigned his position.

J. A. Jubb has accepted the position of overseer of finishing at the Phoenix Woolen Co., Stafford, Conn. He was formerly employed at the Black River Woolen Co., Ludlow, Vt.

William H. Kingsley, overseer of weaving at the Shetucket Co., Norwich, Conn., has resigned.

William H. Kohler, formerly superintendent of George S. Colton Elastic Web Co., Easthampton, Mass., has accepted the position of designer at the Glendale Elastic Fabrics Co., in the same town.

Henry A. Cole has been appointed superintendent of the Granite State Mill, Fairbanks & Dorr, Guild, N. H. Mr. Cole was formerly boss finisher at this mill.

*New Jersey, Belvidere. John E. Allen expects to begin manufacturing in his new plant about the first of January, making misses' ribbed and ladies' hosiery. The number of machines has not been determined as yet. As noted in previous reports Mr. Allen was for many years connected with the Bamford Bros. Silk Mfg. Co., and is building a new hosiery mill on a site adjoining the Pennsylvania R. R. freight station.

*New Jersey, Boonton. Ground has been broken for the plant to be occupied by the new Boonton Hosiery Company. The building will be of brick, 68 by 98 feet, 4 stories high, with separate boiler and engine house. As noted in previous reports this new concern was organized by George E. Fichtner who has been elected president, treasurer and buyer, and will begin manufacturing with 18 or 24 full fashioned machines making silk hosiery.

New Jersey, Bridgeton. A 3-story brick and steel building, 80 by 36 feet, with separate boiler room, is to be built in Bridgeton for E. Sutro & Son Company, of Philadelphia, manufacturers of hosiery, who will take a five-year lease of the property. For some time E. Sutro & Son Company has operated a small branch finishing plant in the basement of the Commercial League Bldg.

*North Carolina, Connellys Springs. A charter has been secured for the Connellys Springs Knitting Mills Company with authorized capital stock of \$100,000, of which about \$12,000 has been subscribed. As noted in previous reports, D. B. Mull recently purchased the hosiery department of the Ethel Cotton Mills of Selma, N. C., and moved this machinery to Connellys Springs.

*North Carolina, Thomasville. Fifty knitting machines will be in operation in the Sellers' Hosiery Mills, No. 2, by the end of the year and later on an increase will be made to 75 machines or more. This is a branch of the Sellers' Hosiery Mills of Burlington and manufactures 200-needle men's half hose. D. E. Sellers of Burlington is manager and buyer.

Pennsylvania, Hatfield. The Hatfield Hosiery Mills have been started up by Chester Knipe with Russell Knipe as manager and John Bossert, superintendent. The plant contains 50 knitters, 2 ribbers, 2 sewing machines and 6 loopers, which they are operating on ladies' and men's split foot and silk and cotton hosiery which they sell through J. Stuart Birkhead, Philadelphia.

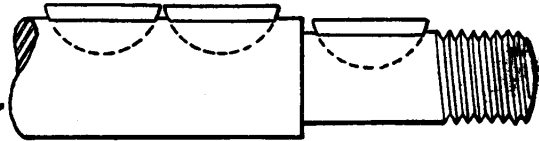
*Pennsylvania, Mifflintown. Six knitting machines have been installed and 14 more machines have been ordered by Max W. and K. O. Nestler, who it was reported in August would locate a silk hosiery knitting mill on Fourth St. Messrs. Nestler will manufacture under the name of the Juniata Hosiery Mills, making lines of ladies' silk hosiery. A gas engine supplies the power.



Key Seating Attachment

FOR

Whiton Gear Cutter



We offer an attachment for use with our Gear Cutting Machine, to cut key seats for the Woodruff System of Keying. Write for description, circulars and price.

THE D. E. WHITON MACHINE CO.,
19 Oak Street, New London, Conn.



American Vulcanized Fibre Co.

C. C. Bell, V. P., 12 Pearl St., Boston, Mass.

—MANUFACTURERS—

Laminar Fibre Roving Cans

All sizes, standard and special. Electrically Welded. Tinned Steel or Fibre Rims. Steel or Wood Bottoms. Fibre or Steel Kicking Bands.

Strongest and Smoothest Can on the Market In Use for 25 Years

QUINCY A. SHAW, Prest.
A. H. POLGER, Manager

A. J. GARCEAU, Treas.
ROBT. C. MONTEAGLE, Asst. Mgr. and Engineer

THE LOCKWOOD MANUFACTURING CO.

ESTABLISHED 1880

Engineers and Machinists, Builders of

Dyeing, Bleaching and Finishing Machinery

ENGINE AND MILL MACHINERY REPAIRS

Office and Works: 61 to 85 Sumner Street

East Boston, Mass.

FOSTER SUPERHEATERS

*Installed in any type of boiler without change
in setting. Uniform superheat guaranteed.*

Power Specialty Company,

BOSTON: 50 Congress Street

NEW YORK: 111 Broadway.

Arlington Machine Works

TEXTILE FINISHING MACHINERY

ARTHUR BIRCH, Proprietor

Arlington Heights (near Boston), Mass.

MILL NEWS.

*Pennsylvania, Philadelphia. C. C. Silverwood, who was reported several months ago to be interested in establishing a plant for the manufacture of seamless hosiery, began manufacturing during October under the name of the Advance Hosiery Mills, at 2427 North Mascher St., with 25 knitting machines.

Pennsylvania, Philadelphia. The Wyoming Knitting Mills, with Elias Aden as manager, have been started up at 4525-27 N. Howard St., where 4 flat knitters and 3 sewing machines have been installed. Cardigan jackets, ladies' vests and sweater coats are manufactured. The production is sold direct.

*Pennsylvania, Philadelphia. The Advance Hosiery Mills, recently reported by us as having been started by Edward Dean at 2427 Mascher St., are being operated on women's seamless hosiery, 200 and 220-needle goods, using cotton and mercerized yarns. The plant contains 40 knitting machines, 6 loopers and 4 sewing machines. The production is sold through New York.

Pennsylvania, Philadelphia. The Brooks Hosiery Mills have recently been started up by H. E. Brooks at the S. E. corner of Howard and Norris Sts., with 30 knitters, 2 loopers and 1 sewing machine, on a line of ladies' seamless silk, cotton and mercerized hosiery, 220-needle goods. New machines have been ordered and will be installed within a short time for the manufacture of silk plaited goods. The production is sold direct.

*Pennsylvania, Royersford. Plans are being completed for the new mill to be built here for the Progressive Knitting Mills of Spring City. The location is at the corner of Main St. and Railroad Ave., where land was recently purchased. The building will be 138 by 50 feet, 4 stories high, and will give a large increase over the present facilities at Spring City. The main office is at 122 No. Third St., Philadelphia.

Pennsylvania, Sunbury. H. A. Boyer and G. E. Trout of Reading have taken an option on the old flour mill at the corner of Awl and Walnut Sts. and expect to remodel this building and equip it to manufacture hosiery. The mill is a brick structure well adapted to the hosiery manufacturing business. It is said that employment will be given to about 100 hands.

*Pennsylvania, Tower City. S. D. Bausher, president, and J. B. Leshner, treasurer of the Unrivaled Hosiery Mill, Inc., at Williamstown have completed the organization of the Bestock Underwear Company and the contract for the new mill to be built at Tower City has been awarded to Dietrich & Son, Pottsville. The building is to be of brick, 50 by 100 feet, 2 stories high, and will be used to manufacture only a high grade of women's underwear. The new corporation has capital stock of \$50,000. Solon D. Bausher, proprietor of the Gotham Underwear Mill at Hamburg, and president of the Unrivaled Hosiery Mill, Inc., at Williamstown; John B. Leshner, treasurer of the Unrivaled Hosiery Mill, Inc., of Williamstown, and George E. Zook, formerly of Hagerstown, Md., who recently removed to Hamburg, are the incorporators.

*Pennsylvania, Warren. Application has been made for a charter for the Warren Silk Mfg. Company with capital stock of \$60,000 and the new concern will organize before January and equip the mill that is being built for the business by the citizens of Warren. Jacob Thissen will be president, manager and buyer, and P. W. Durkin will be treasurer. The equipment will include ten knitting looms for making silk fabric and equipment for cutting up this fabric and manufacturing silk gloves, silk hosiery and other products. There will also be a dyeing department and electric power equipment. This business will be similar to the business of the Thissen Silk Mfg. Company at Kane, Pa., which was organized by Jacob Thissen.

*Pennsylvania, York Haven. I. E. Warner has practically completed the work of remodeling a building and equipping it to manufacture hosiery and will begin the production of goods this month under the name of the Penn Hosiery Mill. Seamless half hose will be manufactured on 20 knitting machines operated by electric power. The product will be sold through H. S. Meyer & Co., New York.

South Carolina, Columbia. A plant for knitting fine hosiery is to be established by J. M. Graham & Son, 612 Laurel St. J. M. Graham has been manager of the Columbia Hosiery Mills of G. H. Tilton & Sons, of Tilton, N. H., and for several years has held a contract for convict labor, which is about to expire.

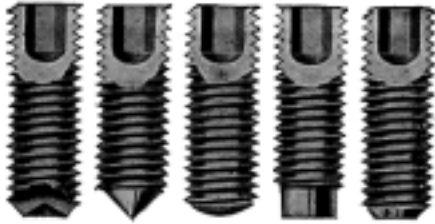
*South Carolina, Union. A charter has been received by the Gault Mfg. Co., a new concern which it has been noted will establish a plant in Union for manufacturing men's and women's hosiery, dyeing and finishing the product. The capital stock is \$10,000. J. H. Gault, formerly treasurer and manager of the Excelsior Knitting Mills, Union, is president, treasurer and manager of the new concern. Plans have been made for two frame buildings, 170 by 40 feet, and 32 by 32 feet.

*Wisconsin, Brillion. The branch to be established in Brillion by the Wisconsin Knitting Mills of Manitowoc will be in rented quarters and will be used for finishing only. Thirty to fifty girls will be employed. No definite plans have been made for building the projected addition to the main plant in Manitowoc owing to the difficulty in securing sufficient help.

*Georgia, Lafayette. One hundred and fifteen knitting machines have been installed in the addition to the Walker County Hosiery Mills, built during the fall, and gives total equipment of 360 knitting machines and 8 sewing machines making men's and women's seamless hosiery. A. R. Fortune, treasurer and buyer of this concern, is interested in organizing the new Fortune Hosiery Mills which will begin operations about January 15, as noted in another part of this issue.

Georgia, Savannah. As noted in another part of this issue the machinery formerly used in the Columbia (S. C.) Hosiery Mills has been moved to the Savannah plant of G. H. Tilton & Sons. In the coming year a still further increase will be made in the Savannah plant. The main office of G. H. Tilton & Sons is at Tilton, N. H.

Don't Use Projecting Set Screws Anywhere



Besides a large line of regular sizes, we make to order promptly, Allen Safety Set Screws of any desired length, point, or thread.

Send for Circular No. 6 and sample screw

The Allen Manufacturing Company
Hartford, Conn.

Canadian Factory, St. Johns, P. Q., Canada

Steel Heddle Mfg. Co.

WORLD'S LEADING
MANUFACTURERS OF

Flat Steel Heddles and Frames

Drop Wires and Heddles
Reed Wire

Doup Heddles
Duplex Heddles

Specialists in Metal Punching

2110-18 West Allegheny Avenue
Philadelphia, Pa.

YOUR REPAIR SHOP

is not complete unless equipped with one of these

BURR KEYSEATERS



They cut perfect keyseats in shafting anywhere. Save time, delays and money. No. 1 keyseats shafts to 5 in. diameter. Price with full set of cutters, \$40.00 net. No. 2 takes shafts to 8 ins. Price, with cutters, \$75.00 net.

Interesting booklet free.

John T. Burr & Son
440 Kent Avenue
BROOKLYN, : N. Y.

"Marathon"

Oak Tanned Belting Worsted Aprons

R. H. HOOD COMPANY

1842 Germantown Ave., Philadelphia, Pa.

PICKER STICKS, SWEEP STICKS AND PICKER ARMS

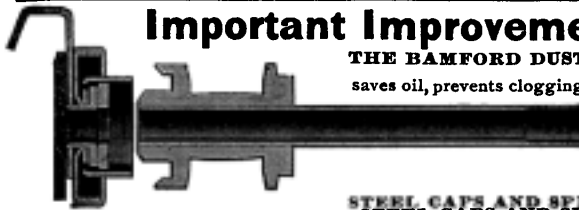
• **No. 1. HICKORY.**

the best Hickory possible to obtain, and are thoroughly guaranteed. Sticks are made and fitted exactly as per sketch or sample, which should always be sent with first order.

We have been supplying many of the largest Textile Manufacturing Plants with Second Growth **HICKORY PICKER STICKS** for twenty-five years. We are in a position to make you right prices, and to furnish you with just such quantities as you desire. Our Picker Sticks are made of

CHARLES BOND COMP'Y
520 Arch Street, Phila.

Important Improvement in Worsted Spinning.



THE BAMFORD DUST PROOF and SELF-LUBRICATING SPINDLE TUBE saves oil, prevents clogging with dust and lint, thereby insuring longer life to the tubes, saves labor, maintains uniform speed, and most important of all, makes **PERFECT YARN**. Refer to largest worsted mills.

BAMFORD & SMITH, Providence, R. I.

ALSO MFRS. OF

STEEL CAPS AND SPI
STEEL CAPS AND SPINDLES.

Caps, Flyers, Tubes, etc., Repaired.

JOHN H. GILES, PRES.

DONALD M. GILES, VICE PRES

E. C. GILES, SEC. AND TREAS.

JOHN H. GILES DYEING MACHINE CO.

MAKERS OF

BLEACHING AND DYEING MACHINERY

AMSTERDAM, N. Y.

MILL NEWS

*Canada, Ontario, Delhi. Within a month the new plant of the Sovereign Mitt, Glove & Robe Company, to take the place of the old plant destroyed by fire last April, located on the old site, will be completed. The new plant is double the size of the old one. Within thirty days after the fire they were running in temporary quarters. The new mill is 100 by 33 feet, 3 stories high.

Canada, Ontario, St. Catherin's. Warren Bros., manufacturers of sweater coats and sporting knit goods, have increased their equipment and now have 23 knitting machines and 17 sewing machines, giving employment to 75 hands.

Canada, Ontario, Appleton. A number of hosiery knitting machines are being installed in the plant of Caldwell, Boyd & Co., Ltd., manufacturers of woolen goods and woolen yarns. This new department will manufacture heavy wool hose.

Massachusetts, Boston. An increase has been made in the capital stock of the Hub Hosiery Mills, 11 Waterford St., from \$10,000 to \$50,000, and 40 knitting machines are to be added to the equipment. Some of this new machinery is now coming in. Infants' cashmere and mercerized hosiery, silk heel and toe, is manufactured.

Massachusetts, Reading. The Middlesex Knitting Co., Inc., of Wakefield, has secured larger quarters in Black's Block, Reading, and will move here between November 26 and December 1. The new quarters give about twice the floor space occupied in Wakefield and provide for a gradual increase which will be made as the business warrants. Two or three additional machines are to be installed at once. The Middlesex Knitting Co., Inc., is a new concern established about a year ago and manufactures high grade sweater coats. A. H. Fairbanks is treasurer and buyer and W. A. Hendrickson is superintendent.

*Michigan, Grand Rapids. It is understood the Grand Rapids Underwear Co. is preparing to go forward with the construction of the projected new factory building to be erected on Garden St., where a site was purchased as noted in August. A permit has been received to build a factory 50 by 125 feet, 2 stories high, of brick mill construction. This will supply needed space for expansion of the manufacturing facilities. Full fashioned underwear is manufactured on 30 sections of full fashioned frames and 30 sewing machines. E. A. Clements, president of the Globe Knitting Works, and the Grand Rapids Hosiery Co., both of Grand Rapids, is president, and C. N. Mather is treasurer and buyer.

*New York, Brooklyn. The new mill which has been under construction for Julius Kayser & Co., is finished and some of the equipment has been ordered, but not all that will be required. The addition is 50 by 270 feet, 7 stories and basement, and all but one floor will be equipped with silk hosiery machinery.

New York, Glendale. Simon Ascher & Co., 390 4th Ave., N. Y. City, have moved their Brooklyn plant to the Bishops Securities, Inc., Loft Bldg.,

Dry Harbor Road, Glendale. One hundred knitting machines and 25 sewing machines will be operated in Glendale on fancy knit goods.

*North Carolina, High Point. The recently reported increase in the High Point plant of the Durham Hosiery Mills will give equipment of 465 knitting machines. This plant is operated on 176-needle half hose. The increase will be completed about January 1.

*North Carolina, Wendell. It is reported the Wendell Knitting Mills Company is to increase the capital stock from \$20,000 to \$40,000 in January and install 50 additional knitting machines. This is a new concern organized less than a year ago which built a mill during the summer and installed 50 knitting machines for making seamless hosiery. R. B. Whitley, owner of the Whitley Mfg. Company here, is president.

Ohio, Elyria. A further increase is to be made in the equipment and production of the Fay Stocking Company before April 1, 1914. Nearly a year ago the capital stock was increased from \$75,000 to \$175,000 for the purpose of extending the business, as noted previously, and shortly afterwards a small increase in the facilities was made. Men's, women's, misses' and children's hosiery are manufactured. Henry Wurst is president and manager.

Pennsylvania, Grill. The Grill Hosiery Mills have recently installed an equipment for dyeing their production and also added 20 new knitting machines.

*Pennsylvania, Harrisburg. Before the end of the month the Moorhead Knitting Company will move into the new factory which has been under construction for the past several months at Cameron and Walnut Sts. The new building is 4 stories high, 50 by 140 feet, of reinforced concrete and brick construction with reinforced concrete floors. It gives a large increase in manufacturing facilities. It also provides a recreation room and restaurant for operatives. This concern manufactures men's and women's silk and cotton hosiery.

Pennsylvania, Philadelphia. Louis Bry & Co., located in the Hohlfeld Building, 10th and Allegheny Ave., has been succeeded by the Keystone Knitted Fabric Co., a company recently incorporated under the laws of New York by J. Bry & Co., 3 W. 22nd St., New York City. With James Armitage as manager, they are manufacturing a line of boucle cloths, astrachans, etc., having recently installed an equipment for spinning their own worsted yarns (Bradford system) and also enlarged their equipment of knitting machines. The production is sold direct through the main office of the company as given above. They are buying, in addition to cotton yarns, both raw wool and tops.

Pennsylvania, Philadelphia. Rosenau & Loeb, operating the Liberty Hosiery Mills, at 1822 Cadwallader St., on men's, women's, children's and infants' hosiery, with a branch plant at Hellertown, Pa., have increased the equipment in their main mill to 380 knitters and are arranging for the starting up of another branch in Frankford, in which they will install a number of knitters for the manufacture of the same line of goods.

COTTON ROPE FOR POWER TRANSMISSION

That is our specialty, but our line includes:-

High Grade Rim, Scroll, Spindle, Frame, Twister and Cone Winder Banding; Braided Bands and Cords; and Lambeth Anti-Fraying Compound. *Write for Catalogue and Prices*


LAMBETH ROPE CORPORATION - - **New Bedford, Mass.**

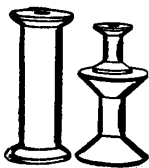
ASHWORTH BROS.,

—MANUFACTURERS OF—

Card Clothing of Every Description

FALL RIVER, MASS.

SAVE Their Cost In Freight.	THE CHAFFEE PATENT CLOTH BOARD, Made of paper and wood, Needs no covers, Will not split or warp; Not liable to break.		Clean
	BOX SHOOKS and CLOTH BOARDS.		LIGHT
	MFG. BY CHAFFEE BROTHERS COMPANY, OXFORD, MASS.		Strong

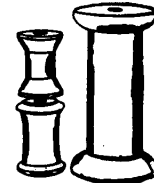


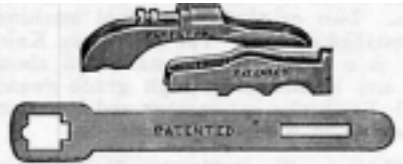
Thread and Silk **SPOOLS** of any description

Made from one piece, up to 6" long and 3" dia.

We are located in the best white birch region. Our work and prices seem to satisfy the most particular customers. We can give any finish desired. Estimates furnished on samples submitted

E. L. Tebbets Spool Company, Locke's Mills, Maine



DIXON PATENT STIRRUP ADJUSTING SADDLE 1,200,000 pairs now in use Best Saddle for Top Rolls of Spinning Frames <i>Send for Samples</i> DIXON LUBRICATING SADDLE CO., Bristol, R. I. Manufacturers of all kinds of Saddles, Stirrups and Levers	
---	--

JOHN E. KENDRICK, President.

MYRON FISH, Treasurer.

M. C. FISH, Secretary

American Supply Co.

Manufacturers of Reeds, Harness, Belting and General Mill Supplies

We make a specialty of Harness for American Warp Drawing-In Machine

OFFICE and STORE—135-137 Washington St., Providence, R.I. FACTORIES—Central Falls, R.I., and Fall River, Mass.

SILK THROWING AND WASTE SILK SPINNING — RAYNER Deals with the preparation of yarn from the raw silk; also waste silk spinning and the utilization of waste products. For silk manufacturers or workers, or for men who use silk in connection with cotton, worsted or wool. 158 pages; 117 illustrations; cloth. PRICE \$2.50 PREPAID. <i>Catalog of Textile Books sent free</i> LORD & NAGLE COMPANY, Textile Publishers, 144 Congress St., Boston, Mass.
--

B X C

TRADE MARK

BARBER - COLMAN COMPANY

BOSTON, MASS.

MAIN OFFICE AND FACTORY
ROCKFORD ILL

GREENVILLE, S.C.

HAND KNOTTERS AND WARP TYING MACHINES

MILL NEWS

*Connecticut, Norwich. The Reliance Worsted Company has decided to dismantle its mill, sell off the machinery and go out of business. According to Phillip Henault, treasurer and agent of the concern, this step is being taken because the water of the Shetucket River is unfit for their use and the cost of city water is exorbitant. The plant is closed and some of the looms have been shipped to other mills. The mill building was leased from the N. Y., N. H. & H. R. R.

Pennsylvania, Philadelphia. E. Biswanger & Sons Co., operating 30 looms on ingrain carpets, have shut down their mills at Wishart and Emerald Sts. and are arranging for the disposal of their equipment with a view of retiring from business.

*Georgia, Lafayette. A plant of 60 knitting machines will be equipped in the course of the next few weeks by the Fortune Hosiery Mills, recently organized by P. D. Fortune of the Lafayette and Union Cotton Mills, A. R. Fortune of the Walker County Hosiery Mills of Lafayette, and J. C. Miller of Chattanooga.

Illinois, Chicago. Leo Oboler, 3039 No. California Ave., plans to establish a small shop for manufacturing sweaters in the near future.

*Indiana, Fort Wayne. Machinery equipment is being installed at Columbia and Harrison Sts. by the new Anthony Hosiery Mills. Lines of ladies' hosiery in lisle and mercerized are to be the product, and the initial equipment will consist of 30 knitting machines, 2 sewing machines, winding machinery and electric power equipment. This concern has capital stock of \$15,000. Morris Levy is president; Abe Levy, treasurer; and H. M. Kahn, superintendent and buyer.

Kentucky, Nicholasville. J. T. Duncan, president of the Douglasville Knitting Mills at Douglasville, Ga., and E. McD. Baechtcl, formerly superintendent of the Blue Ridge Knitting Company at Hagerstown, Md., are organizing a \$30,000 company to establish a hosiery knitting mill in Nicholasville.

Kentucky, Paducah. The Paducah Hosiery Mills, with a capital of \$12,000, R. E. Hearne, president; H. M. Childress, secretary and treasurer, and E. O. Davis, manager and superintendent, are equipping a plant for the manufacture of misses' ribbed hosiery. The equipment for the present will consist of 30 ribbers and 20 knitters. The production to be sold direct in the grey. Mr. Davis, the manager of the plant, will no doubt be remembered by the knitting trade as the inventor of the "Davis" looper, a large number of which have been installed in various mills throughout the country.

Pennsylvania, Philadelphia. Portner Bros. & Son, who are operating a plant at 257 Market St., with 20 knitters on silk neckties and mufflers, have in contemplation the installation of a line of machinery some time during the coming year on which they will make a line of sweater coats.

Pennsylvania, Philadelphia. H. A. Staunton & Co., operating the Calypso Hosiery Mills at 214 W. Dauphin St., are removing the plant to larger

quarters in the Davenport Mills at Hancock and Somerset Sts. The equipment of the plant has been increased to 100 ribbers, 75 latch needle knitters, and 8 loopers, on which they are turning out women's and children's cotton ribbed hosiery, which they sell direct.

Pennsylvania, Pittston. A plot of ground adjoining the plant of the Alpine Knitting Company has been secured on which a steam and electric power plant is to be erected. The old boiler house is to be converted into a shipping room. Earlier in the year a one-story addition, 70 by 58 ft., was constructed and equipped as a bleachery and additions were made in the manufacturing departments, largely increasing the output.

Pennsylvania, Reamstown. Work has been started on the foundation for a new 3-story brick mill, 28 by 78 feet, for the Hope Hosiery Company and on its completion, about December 1, the equipment operated in the present branch plant at Reamstown will be moved into it and about 35 new knitting machines added. Men's half hose is manufactured on present equipment of 40 latch needle knitting machines. Electric power will be used. C. S. Ansel is superintendent of the local plant. Homer L. Stork, located at the main plant at Adamstown, Pa., is manager and buyer.

*Tennessee, Athens. By the first of February, additions to the manufacturing facilities of the Athens Hosiery Mills, R. J. Fisher, proprietor, will have been completed, which will make the production about 1,500 dozens per day. The branch plant at Riceville will have 30 knitting machines, 30 ribbers and 8 loopers, and the goods will be shipped to Athens to be dyed and finished. In the addition to the Athens plant there will be installed 40 ribbers, 40 additional footers and 2 additional loopers.

Tennessee, Lenoir City. A 1-story addition, 100 by 40 feet, of brick construction, will be built by the Holston Mfg. Co. for a bleach house. Women's and children's cotton hosiery and cotton yarns are manufactured.

*Vermont, Bennington. The new Bennington Hosiery Company has purchased the mill formerly operated by Tiffany Bros. The quarters in which the new hosiery concern started were inadequate, but the newly acquired plant is large enough to more than meet their present demands and to allow for expansion. Tiffany Bros., who manufactured men's underwear, retired from business several weeks ago and shut down the plant. Henry L. Field is vice-president, manager and buyer of the Bennington Hosiery Company.

Washington, Spokane. C. T. Symmes and Joseph Thiebes, proprietors of the Spokane Knitting Mills, 1107 Railroad Ave., will install new German knitting machines and double the capacity of the plant. Sweater coats are manufactured. Messrs. Symmes and Thiebes are also the proprietors of the Pacific Hide & Fur Company at the same address.

West Virginia, Martinsburg. A large 4-story building will be erected by the Interwoven Mills, Inc., at a cost of \$35,000, to be used for storage and packing purposes.

Decrease Your Losses

Check up production, get accurate data for cost figuring and an equitable basis for wage payment by using

Durant Counting Machines

Their "Dead Sure" Count leaves nothing to guesswork. Adapted to widest range of uses but particularly to pickcounting. They pay their own way. Ask for catalog 20.



W. N. DURANT CO., Milwaukee, Wis.
N. E. Agent, Wm. V. Threlfall Co., Marshall Building
Boston, Mass.



Style No. 5005

Torsion Balance Computing Textile Scales

For Cotton, Woolen, Hosiery Mills and Dyers and also Importers and Commission Houses.

THE TORSION BALANCE COMPANY

Manufacturers of "Special Scales for Special Purposes"

Write for Folder

Office: 92 Reade St., New York

Factory and Works: 147-9 Eighth St. Jersey City, N. J.
Pacific Coast Branch: 50-52 California St., San Francisco, Ca.

QUINCY A. SHAW, Pres.
A. H. FOLGER, Mgr.

A. J. GARCEAU, Treas.
R. C. MONTEAGLE,
Ass't Mgr. & Engineer

THE LOCKWOOD MANFG. CO

Established 1880

IRON WORKS

EAST BOSTON, MASS.

The R. C. Monteagle Patent Piston and Piston Valve Packing

for Reciprocating Engines of any make—
Marine, Stationary, Steam, Gas, Water, or
Ammonia, Vertical or Horizontal. Will
reduce Fuel Bill to a Minimum.

BOTTLE TIGHT
PRACTICALLY NO FRICTION
PRACTICALLY NO WEAR
LESS FUEL LESS LABOR
INCREASED EFFICIENCY

MILL NEWS

California, San Diego. F. H. King, of Los Angeles, said to be representing Merry & Elliott of that city, has been here looking over conditions with a view of organizing a company to build a cotton mill in San Diego.

Canada, Quebec, Three Rivers. In a circular announcing a new bond issue of the Wabasso Cotton Co., Ltd., it is stated that when the present plans of this company and the affiliated interests are carried to completion the group of mills will include a printing and dyeing plant and also a new 2,000-loom cotton mill. The St. Maurice Valley Cotton Mills of Three Rivers, the Shawinigan Cotton Co., Ltd., and the Shawinigan Knitting Co., Ltd., of Shawinigan Falls, and the Oxford Knitting Co., Ltd., of Woodstock, Ont., are in this group.

Connecticut, Derby. Creditors of the Derby Fur Fabric Mfg. Company have formed a new corporation under the style of the Defurbrik Co., Inc., with authorized capital stock of \$150,000, to continue the business until the claims are paid in full. The officers are Andrew Foulds, New York, president; William S. Nye, of Providence, vice-president; Charles E. Lester, New York, secretary; C. N. Gerhold, Passaic, treasurer, and Frederick Halterman, Passaic, general manager. Most of these men were members of the creditors' committee.

Connecticut, Plainfield. New York representatives of French silk and lace manufacturers have been here looking over a power privilege on the Quinebaug River. It is rumored that a large mill is to be erected somewhere in New England. Jules Flammaron, of Marseilles, France, is interested.

Connecticut, Shelton. One hundred and fifty weavers employed by Sidney Blumenthal & Co., Inc., have gone out on strike as a result of the readjustment of working conditions whereby the weavers claim they cannot make as high wages as formerly.

Connecticut, Somerville. An automatic truck has been purchased by the Somersville Mfg. Company to replace horse-drawn trucks.

Connecticut, Vernon. The Fitch-Belding Company has been incorporated with capital stock of \$100,000 and is authorized to manufacture and deal in silk goods. The incorporators are M. M. Belding, Jr., of Belding Bros. & Company, Rockville, Conn., Edwin A. Fitch, Harry A. Fitch and William O. Fitch.

*Connecticut, Waterford. The cotton mill project headed by Arthur H. Gulliver of Norwich has been dropped for the present but may be taken up again next spring.

Connecticut, Yantic. It is understood that the Yantic Woolen Company, now in bankruptcy, is to be reorganized. The reports that were current some time ago to the effect that Angus Park, of Hanover, Conn., had leased the plant proved to be without foundation.

MILL NEWS.

*New York, Kingston. Plans for the factory buildings for the new Art Silk Yarn Company have been submitted to local contractors for bids. Detailed reports of this project have been given previously. A charter was secured last January with authorized capital stock of \$500,000 to manufacture artificial silk under a new process. What is known as the Diehl property on Albany Ave., Kingston, was secured and Frederick W. Fischer, 32 Union Sq., New York, was commissioned to prepare plans for a plant. The office of the concern is with Frederick Vietor & Achelis, 38 E. 25th St., N. Y. City. Bernard W. Wilkins is president and manager; Charles A. Herrmann, treasurer; C. A. Greiner, vice-president and superintendent. F. W. Korth, 726 Spruce St., Philadelphia, is also connected with the company.

Rhode Island, Cranston. Additions and improvements are to be made by the Narragansett Finishing Co., and while details have not been announced they state that they are practically doubling the output by an enlargement from the boiler plant down. They are dyers and finishers of cotton linings, etc. C. J. Obermayer is president, and T. P. Hines is treasurer.

*Rhode Island, Crompton. The new 4-story building being erected by the Crompton Company is to balance the plant so as to avoid night work in the finishing works. They have needed this addition for several years. The new building will be 133 by 60 feet.

Rhode Island, Pawtucket. New braiding machinery and some other equipment is soon to be installed in the plant of the Rhode Island Textile Co., rear of 47 East Ave., bringing the total equipment up to 250 braiders with complementary machinery. This is a new concern organized a few months ago which manufactures cotton and silk braids, operating by electric power. The capital stock is \$10,000. Arthur L. Kelley, Jr., is president; George F. Kelley, treasurer; John H. Conrad, secretary, general manager and buyer.

*Wisconsin, Baraboo. The Baraboo Towel Mills, Geo. McArthur & Sons, proprietors, have enlisted the aid of the Baraboo Commercial Organization in securing \$6,600 for the erection of a new plant. The new building will be 80 by 40 feet, of modern concrete construction and will provide space for an increase over the present equipment of 18 broad and 68 narrow looms, with auxiliary machinery. Turkish towels and crashes are manufactured.

Connecticut, Stafford Springs. A storehouse owned by the Fabyan Woolen Company has been destroyed by fire with loss on the building and contents estimated at \$2,000. It will not be rebuilt.

Massachusetts, Fall River. A small loss, chiefly caused by water, was suffered by the Arkwright Mills as a result of a fire in the picker room.

Massachusetts, Newburyport. A building used as a waste house and picker room by the American Textilose Company has been destroyed by fire with loss of about \$10,000; fully covered by insurance.

Gandy Belting Used Constantly For Twenty-Seven Years

**BESSEMER
FIRE BRICK CO**

BIRMINGHAM, ALA. Nov. 19-1912.

The Gandy Belting Company,
Baltimore, Md.

Gentlemen:-

Your Mr. Wood, a few days ago, asked if we were users of Gandy Belting. We replied, "for twenty-seven years."

Our 8-ply, 26-inch main driving belt has pulled our plant for 27 years, during which time it has not been shut down except for repairs to machinery. In the early part of this month the belt pulled into old lace holes.

We have an order for your people for 4 feet to substitute for the damaged portion. This is the first time this belt ever gave way in the manufacture of 140,000,000 fire brick.

Very truly,
Bessemer Fire Brick Co.
J. H. Minors
President.

ONE-THIRD THE COST OF LEATHER
MUCH LESS THAN THAT OF RUBBER
GANDY BELTING COMPANY
747 W. Pratt St. Baltimore, Md.
New York Office - 88-90 Reade St.

The Bristle Cloth Stretcher

RETAINS WIDTH GAINED



Because it stretches the goods where they are beginning to set

**SAVES
Time—Labor—Money**

AMERICAN FINISHING MACHINERY CO.
141 Milk Street, Boston

MILL NEWS

*Massachusetts, Fall River. At the meeting of stockholders of the Luther Mfg. Company it was voted to authorize an increase of 50 per cent. in the capital stock, from \$350,000 to \$525,000, the increase to be by a 50 per cent. stock dividend. The officers were re-elected.

Massachusetts, Fall River. The Crystal Spring Dyeing & Bleaching Company has plenty of work on hand to warrant running the plant overtime and it is said that if sufficient help could be secured a night and day schedule would be put in force.

Massachusetts, Lawrence. The Monomac Spinning Company has been incorporated with capital stock of \$1,000,000 to take over the Monomac Spinning Company of South Lawrence which has been operated since the construction of the plant two or three years ago as a department of William Whitman & Company. The incorporators are William Whitman, Arthur T. Bradlee and Louis H. Fitch.

Massachusetts, Methuen. The Merrimack Valley Mills is the name of the new corporation which will operate the Tremont Worsted Mills. A charter has been secured under this title with capital stock of \$15,000, divided into 150 common shares, of which 74 shares are held by Gusten Nordenstierna, president; Edwin J. Hylan, treasurer and clerk, 74 shares; Ivar L. Sjostron, North Andover, one share, and Eugene S. Hylan, Lowell, one share.

*Massachusetts, New Bedford. Owners of the common stock of the Dartmouth Mfg. Corp. have received an announcement of a cash dividend of 33 1/3 per cent. The stockholders have been notified that this dividend may be applied toward the purchase of the new issue recently voted.

Massachusetts, New Bedford. The explosion of a fly wheel in the engine room of the mill on North St., known as departments 9 and 10 of the New England Cotton Yarn Company, caused considerable damage. The mill is being run by an auxiliary engine.

Massachusetts, New Bedford. Reports that the Holmes Mfg. Company will enlarge are denied by Charles L. Harding, president of the concern.

Massachusetts, New Bedford. Three New Bedford mills increased their dividends last week, the Neild Mfg. Co., from four per cent. to five per cent.; the Holmes Mfg. Co., from four per cent. to six per cent.; and the Quissett Mills inaugurated dividends at the rate of six per cent. These are all new mills built in the boom of three years ago. It is estimated that there is more help available in New Bedford at the present time than in any period of the past three years.

Massachusetts, North Brookfield. Benjamin C. Mudge is trying to reorganize the Oxford Linen Mills and has sent out circulars advertising stock of the reorganized company. The circular states that a new company has been formed to start up the mills as soon as the affairs of the old company are settled, and makes the statement that old stockholders have subscribed for \$150,000 of stock.

New Hampshire, North Salem. There are two concerns now located in the old Atlas Mill; the New Hampshire Shoddy Co., manufacturing shoddy and cotton bats, moved into the plant several months ago, and as noted in October, H. I. Emmons Company, Inc., formerly of Methuen, Mass., have rented part of the plant to carry on a waste handling business, doing bleaching, dyeing, cleansing and oil extracting.

*New Jersey, Carlton Hill. There will be no increase at present in the plant of the Standard Bleachery Company. The recent increase in the capital stock from \$400,000 to \$1,000,000 was for the purpose of a readjustment of the surplus account.

New Jersey, Montville. Preparations are being made to clear up the fire ruins of the plant of John Capstick & Sons, bleachers, dyers, printers and finishers, which was burned in February. It is probable they will take up the matter of rebuilding the plant the coming year. The old plant was entirely destroyed, there being nothing left of the manufacturing plant whatever.

New Jersey, Paterson. A broad silk concern located in the Todd Mill and operating under the style of S. K. S. has sold out the plant and purchased a part of the plant of the Passaic Silk Company in the new Hall Mill. The Passaic Silk Company has not retired from business but is operating the portion of the plant that has not been disposed of by sale.

New Jersey, Paterson. A new corporation has been formed under the name of the Forest Silk Company, 125 Ellison St., by R. H. Moxham, D. Ashley and A. Comstock.

New Jersey, Paterson. The Penn Silk Company has been incorporated with capital stock of \$50,000 to manufacture and deal in silk goods. The incorporators are Harry Levin, David Kaufman, Meyer Tanner and Samuel Kutchner. The address given is 152 Market St., Harry Jollson in charge.

New Jersey, Paterson. In the recent denial that the National Silk Dyeing Company would be consolidated with the Weidmann Silk Dyeing Company it was stated that the former concern has plans well under way for greatly increasing the piece dyeing plant at Dundee Lake.

New Jersey, Paterson. Jackson Bros., Inc., who moved from this city to Passaic have recently returned and are now located at 11 1/2 Fair St. No immediate increase of equipment will be made.

New Jersey, Plainfield. The Jersey Silk Mills, which succeeded the Mitchell-Watching Silk Mill several months ago, is manufacturing broad silks. The recent foreclosure of a mortgage on the plant was for the purpose of clearing up the title for the Jersey Silk Mills and in no way affects the operation of the plant.

New York, Ballston Spa. The Clark Textile Company of Saratoga Springs has leased a floor in the Wiley Bldg. for a term of five years and the Ballston Spa branch will be moved to the new quarters about December 1.

MILL NEWS

*Georgia, Quitman. The sale of the Atlantic & Gulf Mills property to the Bank of Quitman has been confirmed by the court. Steps will be taken to organize a new company and start up the plant.

Georgia, Springfield. The Chamber of Commerce is trying to secure the establishment of a cotton mill here.

*Illinois, Joliet. The project to establish a branch of the Lacon (Ill.) Woolen Mills in Joliet has been dropped.

Louisiana, Homer. A company is being organized by E. S. Mitchell to build a cotton mill. Information on buildings, machinery and supplies is desired. Mr. Mitchell's headquarters are in the McCranie Bldg.

*Maine, Skowhegan. It is reported the American Woolen Company is to spend between \$100,000 and \$200,000 in the improvement and equipment of the Marston Mill, recently purchased.

Massachusetts, Boston. The Haddon-Briggs Company has been incorporated with capital stock of \$5,000 to deal in yarns, tops, noils and waste. The incorporators are Alfred Newsome Briggs, of Jamestown, N. Y., president; Alexander W. Haddon, 185 Summer St., Boston, treasurer; and William Odlin, clerk. The new corporation takes over the business of A. W. Haddon, 185 Summer St., commission merchants.

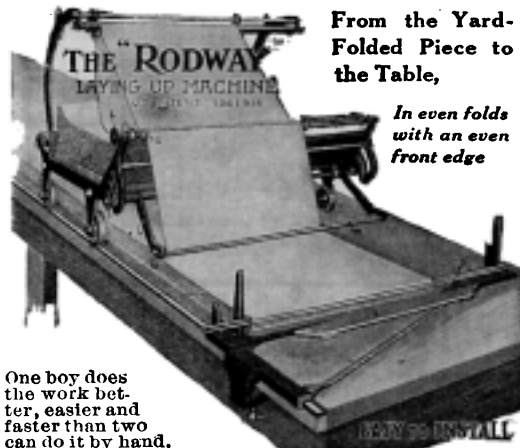
Massachusetts, Boston. A new corporation has been formed under the name of William Whitman Company to take over the business of William Whitman & Company. The capital stock is \$4,000,000, classified as \$1,000,000 preferred and \$3,000,000 common, all of which represents actual property. William Whitman will be president; Arthur T. Bradlee, vice-president; Malcolm D. Whitman, vice-president; and Hendricks H. Whitman, treasurer. The following men with the officers will form the directors: Louis H. Fitch, Francis R. Masters, George H. Waterman, William Whitman, Jr., Eben E. Whitman and J. Clifford Woodhull. No outside capital has been added and none of the stock of the corporation is for sale. Under the corporate form the business will be conducted as heretofore. J. Clifford Woodhull and Francis R. Masters are new members of the organization.

Massachusetts, Easthampton. Many of the looms in the plant of the Glendale Elastic Fabrics Company, which have been idle for several months, have been started up. There is a marked improvement in the various mills in Easthampton.

Massachusetts, Easthampton. At a meeting of the stockholders of the George S. Colton Elastic Web Company it was voted to reduce the capital stock from \$300,000 to \$100,000 and then to increase to \$250,000 by issuing 1,500 shares of 6 per cent. preferred stock. The new issue of preferred stock will be a stock dividend to the present stockholders.

Pennsylvania, Philadelphia. The L. S. Hosiery Mills, 31 So. Third St., have removed their plant to 37 and 39 S. Third St., where they have secured three large floors. They buy goods in the grey from other manufacturers and sell direct.

To Fold to Any Length



From the Yard-Folded Piece to the Table,

In even folds with an even front edge

One boy does the work better, easier and faster than two can do it by hand.

The RODWAY Type . . . \$150.

The SHUTTLE Automatic . 400.

Write for circulars and users' references

The Shuttle Machine Company

18 East 17th Street, New York



(PATENTED)

"Agfa" Soap For All Textile Purposes

• Ask us for descriptive circular and particulars

Berlin Aniline Works

**213-215 Water Street
NEW YORK**

Boston, Mass., Philadelphia, Pa., Chicago, Ill.,
Charlotte, N. C., Montreal, Canada

POWELL VALVES



We manufacture a complete line of globe, angle, cross check and gate valves.

Ask your dealer for Powell Valves or write us.

THE W. M. POWELL CO.
DEPENDABLE ENGINEERING SPECIALTIES
CINCINNATI

WILLIAM SCHOFIELD CO.

Krams Ave., formerly Church St., Manayunk, Phila., Pa.

Textile Machinery

Makers of Rag, Wool, Hair and Finishing Pickers, Automatic Square and Cone Willows, "Schofield" Intermediate Feed for Cards, Rag and Extract Dusters, Waste Pullers, Worsted and Shoddy Reels, All Kinds of Spike and Slat Aprons.

Special Machinery Built. General Machinery Repairs.
Relagging Picker Cylinders a Specialty.

NEW AND OLD SHODDIES MUNGOS, MERINOS, ALPACAS, ETC.

Natural and fast dyed in exact, solid colors, of first quality, offered by

MICHELS & CO., Neuss on Rhein, Germany
(Carbonization by our own Patent)

Silk Throwing and Waste Silk Spinning — Rayner

Deals with the preparation of yarn from the raw silk; also waste silk spinning and the utilization of waste products. For silk manufacturers or workers, or for men who use silk in connection with cotton, worsted or wool. 158 pages; 117 illustrations; cloth. Price, \$2.50 Prepaid.

Catalog of Textile Books sent free.
LORD & NAGLE CO., Textile Publishers
144 Congress Street. - - - Boston, Mass.



DRONSFIELD'S Patent Automatic Roll Calendar

Every Spinning Mill should possess this machine for periodically calendaring leather covered rolls.

RESULTS: Better Spinning! Fewer Broken Ends! Economy in Roll Covering!

Supplied by any of the leading

Textile Machinery Importers, Boston, Mass.

MILL NEWS

New Hampshire, Tilton. A serious fire in the Tilton Mills, which started from an overheated bearing, caused loss to the concern of more than \$10,000, chiefly by water.

New York, Brooklyn. Fire in the building at 435 Broadway, occupied by the North American Knitting Mills Co., manufacturers of sweater coats and similar goods, and the Milton Mfg. Co., manufacturers of silk neckwear and infants' goods, caused considerable damage. The North American Knitting Co. carries \$8,800 insurance on stock and \$8,700 insurance on fixtures and machinery. The Milton Mfg. Co. carries insurance of \$9,000 on stock and \$7,000 on machinery.

New York, Cohoes. A shed owned by the Harmony Mills, which was used to store cotton, has been damaged by fire with loss estimated at \$2,000.

New York, Cohoes. The plant of the Hope Knitting Company, manufacturers of men's and women's flat and ribbed underwear, has been damaged by fire with loss estimated at about \$1,000; fully covered by insurance. The fire was caused by some hard substance getting in one of the wool pickers.

Pennsylvania, Philadelphia. The building occupied as an embroidery factory by Frank J. Minett, at 5719 Walker St., Wissinoming, has been damaged by fire. The loss on building and contents is about \$10,000.

Rhode Island, Woonsocket. A loss of about \$1,000 was caused by fire in the plant of the Lafayette Worsted Company, which was started in the drying room.

Rhode Island, Woonsocket. Fire in the plant of the Guerin Spinning Company badly burned two of the employes and caused some loss in the picker room.

South Carolina, Columbia. Fire at the plant of the Massasoit Mfg. Company, which originated in the picker room, caused considerable damage. This is a branch of the Massasoit Mfg. Co., at Fall River, Mass.

*California, Long Beach. F. W. Stevens, a leading citizen of Long Beach, will be president and treasurer of the new California Woolen Mfg. Co. J. F. McAfee, formerly of Topeka, Kans., is manager. Particulars of this concern have been given in previous reports. A three-set mill is being built and it is expected it will be completed before January 1.

California, Los Angeles. A concern has been organized under the style of the China-American Ramie Co., with authorized capital stock of \$500,000 to cultivate the ramie fiber. The incorporators are A. R. Carney, M. L. Abbott, E. P. Gaffney, J. W. Alexander, and J. P. Transue, all of Los Angeles. It is understood the new concern will acquire land in southern California on which to cultivate the ramie plant and later it is expected that the concern will be in a position to establish a plant for handling the fiber and manufacturing cordage and fabrics.

MILL NEWS

Canada, Ontario, Toronto. E. E. Palmer of the Toronto Type Foundry Co., Ltd., 70 York St., Toronto, heads the new corporation recently formed under the name of Patent Twines, Ltd., with capital stock of \$40,000 to manufacture and deal in twines, rope and cordage. This concern has branches for handling supplies for printers, bookbinders, and box makers. Mr. Palmer declines to give out any information in regard to the new company until they get started, which he states will be in the course of the next three months.

Canada, Ontario, St. Catherine's. A new plant is being built on Lincoln Ave., St. Catherine's, by the Canadian Flax Mills, Ltd., Toronto. It will be completed about Jan. 1, 1914. The new plant will make simply flax fiber and tow at first, but in the spring they hope to get started on a spinning mill. Electric power will be used. This concern has capital stock of \$1,000,000. George H. Campbell is president, manager and buyer, and Austin Campbell is treasurer.

*Connecticut, Jewett City. A new boiler is to be installed next spring in the plant of the Jewett City Textile Novelty Company, dyers, printers and finishers of textile fabrics. The plant was shut down recently for a few days to reset their two boilers, to install a forced draught blower system, repair the generator, and make other repairs of a general nature needed throughout the plant.

Massachusetts, Hyde Park. A plant is being established at 1586 Hyde Park Ave., by the Alpha Waste Products Co., reported incorporated several months ago. They will conduct a business of cleansing and processing oily cotton waste, beginning operations about December 1, probably. George S. Wood is president; Charles E. Peakes, treasurer; Edward Heaton, superintendent. Mr. Wood attends to the buying. The Boston office is at 620 Atlantic Ave., Room 220.

*Massachusetts, Lowell. The New England Cable Company, a new concern which has leased a part of the old Belvidere Woolen Mill on Howe St., will begin operations January 1. A business of insulating wire in all its branches will be carried on and the equipment will consist largely of braiding machines. The capital stock is \$40,000. D. J. MacDougall is president; and Samuel Dunsford is treasurer, agent and buyer.

Massachusetts, Webster. The addition to the Stevens Linen Works, which has been under construction for several months, was put into operation during the week. The old hackling department was moved into the new quarters and the old quarters will be abandoned for manufacturing purposes and used for storage. Electric power is used and individual motors are the rule, although in some cases several machines are connected to one motor.

*Wisconsin, Sheboygan. It was not expected that the new 3-story warehouse and office building for the Hand Knit Hosiery Company would be built until spring. The contract has been awarded, however, and construction work is proceeding. This building will be 52 by 100 feet, and will be used for office, warehouse and shipping departments.

Interruption of Production

is recognized by textile mill operators as the most costly element of repairs.

Allis-Chalmers TEXTILE MOTORS

are so liberally designed and so sturdily constructed that they will operate for years without need of repairs providing they are properly supplied with oil while in service.

"Motors for all drives"

Allis-Chalmers Manufacturing Company

Power and Electrical Equipments

Milwaukee - Wisconsin

For all Canadian business refer to
Canadian Allis-Chalmers, Limited, Toronto, Ont.

"More Pulling Power"

means more money!

Get more pulling power out of your pulleys—and you'll be able to "speed up" production, save costs, make more money!

Warren's Pulley Cover

Every polished, inefficient pulley should be made to grip its belt—it can—and it will result in a saving of fuel, and every other expense connected with the developing of power. Thousands of manufacturers are finding Warren's Pulley Cover a daily aid to more profits—YOU CAN!

Order a trial can (to cover 40 sq. feet of space) with brush and full instructions. Price \$5.00—and worth much more in the saving of power.

Full information may be secured from

The Warren Company, Mfrs.

Chicago Road, Niles, Mich.

Removed from Chicago

"CORONATION"

**Piece-End
Sewing
Machine**

sent on trial most
anywhere

**Sews any Fabric Thick
or Thin, Wet or Dry
Without Change. Fine
Stitch or Coarse Stitch.**

Send for circular

BIRCH BROS.
Somerville, - Mass.

Also
Finishing Machinery



**CURTIS & MARBLE MCH. CO. WORCESTER
MASS.**



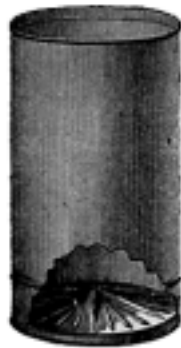
Latest Improved Chinchilla Machine

**Built for Hard Service
Hill's Dye House Cans**

Our method of construction gives exceptional durability. Made from the best galvanized sheet iron—all rings riveted into can and then soldered. The bottom is locked on to the ring in a way to make it practically indestructible. Nothing like them for handling wet warps.

Send for booklet.

James Hill Mfg. Co.
Providence, R. I.



MILL NEWS

*Canada, Ontario, Listowell. The new Perfect-Knit Mills, Ltd., began manufacturing this week with 11 knitting machines and 10 sewing machines, making sweater coats and knitted novelties. Max K. Becker is president, superintendent and buyer; William Climie is treasurer. Electric power is used. Mr. Becker was formerly superintendent of Frank W. Robinson, Ltd., of Toronto, and organized this new concern to succeed the Keystone Knitting Co., of Georgetown, Ont. The equipment of the Keystone Company has been moved to Listowell.

Ohio, Tippecanoe City. The old plant of the Tippecanoe Underwear Company has been bought by the Superior Underwear Company of Piqua, O., and is being run as a finishing plant with 50 sewing machines, giving employment to about 75 people. All the knitting is done at Piqua.

*Vermont, Bennington. The E. Z. Waist Company has purchased the plant of the Vermont Hosiery & Machinery Company and it is reported will start equipping the building at once in order to resume manufacturing as soon as possible. The Vermont Hosiery & Machinery Company shut down the mill nearly two years ago. The plant of the E. Z. Waist Company was destroyed by fire a few days ago with loss estimated at from \$75,000 to \$100,000. The insurance was \$60,000.

Wisconsin, Superior. The Superior Knitting Mills Company has been incorporated with capital stock of \$20,000 by William A. Whitney, H. V. Gard and Ella Brotherton. The new corporation will take over and start up the plant of the Superior Knitting Mills which was purchased several months ago by Mr. Whitney.

South Carolina, Columbia. The machinery formerly used in the Columbia Hosiery Mills which was located at the State Prison, is being shipped to the Savannah, Ga., plant of G. H. Tilton & Son. The contract for convict labor has expired. G. H. Tilton & Son have been enlarging the Savannah plant for some time to receive this additional equipment. J. M. Graham, who was manager of the Columbia Hosiery Mills, is to manufacture cotton hosiery on his own account under the style of J. M. Graham & Son.

*New York, Theresa. The Lincoln Silk Co., of Paterson, N. J., which recently leased the Theresa Silk Mill, has begun operations and is gradually starting up more machinery. The property has been leased for one year with option of purchase and if labor conditions prove satisfactory it is expected additional looms will be installed. Tie silks and dress silks are being manufactured.

*Virginia, Charlottesville. Manufacturing has been begun in the new Charlottesville Silk Mills, but some little time will elapse before the plant is running to full capacity. This is a reorganization of the Philipsburg Silk Company at Philipsburg, N. J., which was moved to Charlottesville.

Canada, Quebec, Montreal. Holdsworth & Co., 16 Cote St., who carry on a business of shrinking and refinishing goods, contemplate establishing a new plant at Montreal which will give greatly enlarged facilities.

Practical Christmas Gifts

No present that you can select will give so much benefit and profit as a good textile book or magazine. ☛ Nothing will appeal more strongly to the man who has been in the mill a lifetime, or to the young man just starting out. ☛ We will send books or magazines direct to anyone you want them sent to, without further charge, and with a note expressing your compliments.

Some Suitable Books

Cotton Manual. <i>Broadbent</i>	\$0.75
Weaving—Plain and Fancy. <i>Nelson</i>	1.25
Jacquard Mechanism. <i>Bradbury</i>	4.00
Cotton Combing Machines. <i>Thornley</i>	3.00
Mercerization. (2 vols.)	7.50
Simplex Tables	.50
Textile Fibres. <i>Matthews</i>	4.00
Study of Textile Design. <i>Barker</i>	2.50
Worsted Spinning. <i>Priestman</i>	2.50
Worsted Handbook. <i>Buckley</i>	.50
Bleaching and Finishing of Cotton <i>Trotman and Thorp</i>	5.00
Chemistry and Practice of Sizing <i>Bean and Scarisbrick</i>	10.00
Chemistry and Practice of Finishing (2 vols.) <i>Bean and McCleary</i>	15.00
Textile Printing. <i>Knecht and Fothergill</i>	10.50
Manual of Cloth Finishing (Wool)	6.50
Art of Soap Making. <i>Watt</i>	3.00
Carpet Manufacture. <i>Bradbury</i>	3.00
Bleaching and Dyeing Vegetable Materials. <i>Hubner</i>	5.00
Color in Woven Design. <i>Beaumont</i>	6.00
Cotton Spinning (3 vols.) <i>Taggart</i>	7.50
Silk Throwing and Waste Silk Spinning <i>Rayner</i>	2.50
Manual of Dyeing (2 vols.) <i>Knecht, Rawson and Loewenthal</i>	12.00
Calculations in Yarns and Fabrics <i>Bradbury</i>	1.25
Wool Combing. <i>Priestman</i>	1.50
Silk Manufacturing. <i>Chittick</i>	3.00
Woolen Spinning. <i>Priestman</i>	2.50

Textile World Record

Each year at this season many mills present a subscription to the TEXTILE WORLD RECORD to their superintendents and principal overseers. The reminder of the giver is repeated twelve times a year.

SUBSCRIPTION RATES

	Per Year
The Textile World Record	\$2.00
<small>To Canada, \$2.50</small>	
The Textile World Record and Annual Official American Textile Directory	
Special Combination Price	3.00
For Foreign Countries the Textile World Record without Directory (postage paid)	3.00
For Foreign Countries the Textile World Record with Directory (postage paid)	4.00
The Dyers' Supplement	1.00

Space for names and addresses is provided below.

Date

Lord & Nagle Co., Boston, Mass.

Send the TEXTILE WORLD RECORD for the year 1914 to the addresses below. Send bill to me.

Name

Address

Name

Address

Name

Address

Name

Address

(Signed)

Lord & Nagle Company, Publishers, Boston, Mass.

Better Work With No Increased Cost

The use of Wyandotte Textile Soda and Wyandotte Concentrated Ash is not limited to one department of the mill, but the principle which they represent may be profitably applied to several different processes.

Doubtless in all your experience you have never used any article of an alkali nature that could be applied to so many purposes as are claimed for

Wyandotte Textile Soda and Wyandotte Concentrated Ash

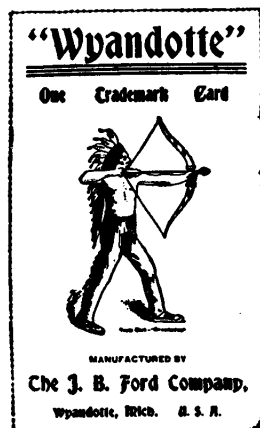
and because of the unusual nature of these claims it is appreciated that they must be proved before you can be asked to accept them.

All we ask is that you withhold your decision regarding these products until you give them a trial. The satisfaction which you feel after trying them will do the rest. We have no doubt of your continuing in their use, because they do the things you want done—the things you never could without alkalies.

Ask us to "show you." For further information, write us.

Order from your supply house.

The J. B. Ford Co., Sole Mfrs., Wyandotte, Mich.



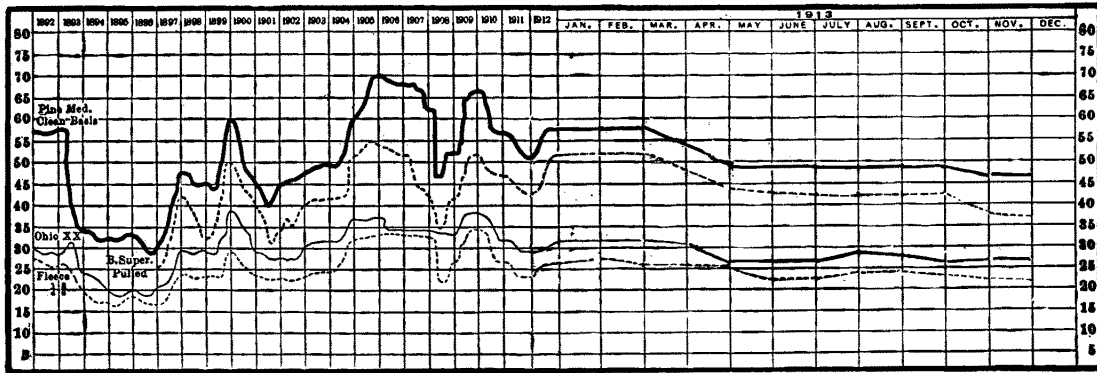


CHART SHOWING RANGES IN THE PRICE OF WOOL TO DATE.

THE WOOL MARKET

The domestic market for wool has been stagnant owing to the change in the tariff on Dec. 1 to a free wool basis. Withdrawals previous to that date were exceedingly small. On December 2 there was a rush to get wool delivered in order to supply some pressing needs of the mills. It is stated on good authority that stocks of the mills are very low, owing to the policy of withdrawing or buying only to meet immediate requirements, and also because of the fact that a number of large mills converted a considerable quantity of foreign wool into tops which were exported under the drawback provision of the law before the passage of the Underwood bill. The London sales have been fairly strong, but throughout the foreign markets there is a pronounced feeling of uneasiness over reaction that has developed in all lines of business.

The home market for wool goods has been slow. Manufacturing clothiers report a decided falling off in business, the retailers saying they prefer to wait for developments after January 1, when the reduced rates on wool goods go into effect. Owing to the present methods of doing business the

attitude of the retailer has an immediate effect on the mills, and this is what accounts for the decreased production of woollens and worsteds. To offset these influences there is the fact that the supply of wool is below the world's requirements.

MILL NEWS

*Pennsylvania, Parkers Landing. A charter has been granted the Parker Woolen Mills with capital stock of \$10,000. The organization of this concern by Messrs. A. E. and J. O. Conn, whose plant at Emlenton was destroyed by fire in September, has been noted previously. A mill is being built and will be equipped with one set of cards to manufacture woolen yarns, 6 to 26s cut.

Pennsylvania, Philadelphia. John Gallashan, who has been running a plant for examining, burling and mending textile fabrics, at Mascher and Turner Sts., has recently installed several looms on which he is making cotton, woolen and worsted fabrics on commission. This portion of the plant he states will be enlarged at an early date.

Pennsylvania, Philadelphia. The Myers-Jolesch Co., Inc., of 334 Fourth Ave., New York, have installed 16 broad looms in the tenement mill at the N. E. corner of Howard St. and Montgomery Ave., on which they are manufacturing a line of woolen and worsted cloakings, which they are selling direct.

TETRAZO COLORS FOR COTTON

We offer these products in all shades for the dyeing of cotton in any form. Among them will be found colors specially adapted to meet the various requirements of fastness to light, washing, cross dyeing and fulling. Shade cards and samples, with full information, cheerfully furnished on application.

AMERICAN DYEWOOD COMPANY

NEW YORK

PHILADELPHIA

BOSTON

HAMILTON, ONT.



Direct Acting



Double Geared



Elevator in Large Soap Factory in Jersey City

WHILE OTHERS SLEEP

LISTEN WUNST! — The Yale & Towne Mfg. Co., Stamford, Conn., are having us change the elevators in that great plant to the Ridgway Steam-Hydraulic — KETCH ON ?

The Yale & Towne are makers of hoisting machinery themselves. They have engineers who know a thing or two. Well, I guess so.

As we have already told you, the Standard Oil Co. is having us change their elevators to Steam-Hydraulic where they have steam available (just finished their Albany plant) and among plants we have done for them is one near Stamford. The Yale & Towne engineers are not "DEAD ONES." They caught on and are going to have good elevators, too.

Joseph Benn & Son at Providence, R. I., did the same.

The Somerville Worsted Mills, Somerville, Conn., are having us change their elevators to Steam-Hydraulic.

The Summit Thread Co., East Hampton, Conn., are having us change their elevators to Steam-Hydraulic.

The Ontario Dyeing Co., Philadelphia, have just changed their elevators to Steam-Hydraulic.

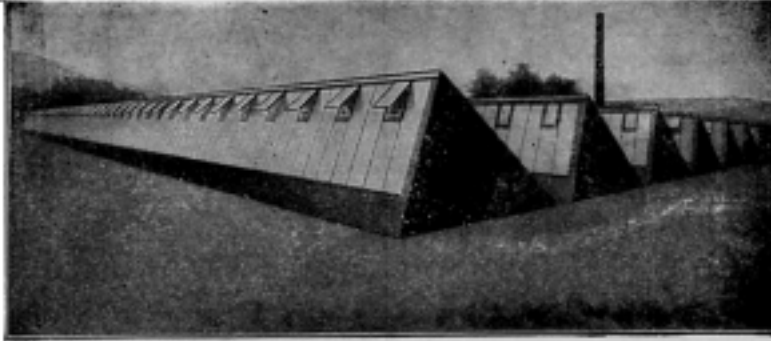
The Arnold Print Works, North Adams, are changing their elevators to Steam-Hydraulic.

Why, bless your heart, we could fill this page with textile mills alone. Why in the world every mill and factory owner should not get these wonderful elevators as soon as he knows about them is only another proof that just one man in a hundred is really a FULL LIVE MAN and fit for manager. If you are tha HUNDREDTH MAN you will

"HOOK 'ER TO THE BILER"

CRAIG RIDGWAY & SON CO., Coatesville, Pa.
ELEVATOR MAKERS TO FOLKS WHO KNOW

Ventilation Results At a Low Cost



Don't you often stop at **FIRST COST** and forget the bigger item of the future **MAINTENANCE**.

Don't you occasionally have trouble with a skylight leaking or giving out altogether or a window opening device getting cranky or busting up. This is where the **MATERIAL** reference comes in.

And now for **RESULTS**.

Anti-Pluvius puttyless skylights and Straight-Push and Lovell sash operators are doing for others highly satisfactory service with-

out more than ordinary attention, this in our understanding of results. Specializing in skylights and sash openers with trade names

ANTI-PLUVIUS (Trade Mark) Puttyless Skylights

that have a factory and organization behind them, we aim to provide what will obtain the maximum returns for the expenditure. Drouvé stands for quality and another way to spell this is **RESULTS**.

The G. DROUVÉ CO., Bridgeport, Conn.
180 N. Dearborn Street, Chicago, Ill.

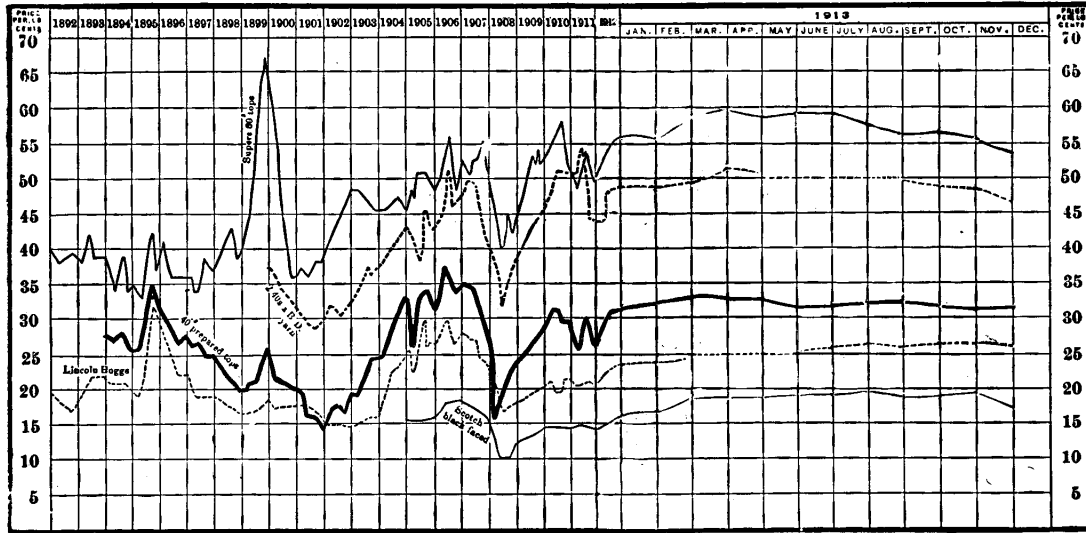


CHART SHOWING COURSE OF PRICES FOR WOOL, TOPS, AND WORSTED YARN AT BRADFORD, ENGLAND

THE BRADFORD MARKET

Bradford, Eng., Nov. 25, 1913.

Demand for yarns and piece goods is at a lower ebb than for fully five years past and the impossibility of doing business at the prices lately ruling explained the forced reduction of quotations for tops and wool. The change from brisk to bad trade seems to originate with the universal tightness of money and there is little prospect of a recovery until prices are still further reduced. An altogether lower basis will have to be found for the business of next year, for many looms are standing. Spinners of merino who have consistently had the best of the market are far from selling their full production, despite their sacrifice of profit margins. The crossbred yarn market has less support than hitherto from the home trade and the business for export is small and at bad profits.

The reductions of price thus far made have not served the purpose of bringing out new business, and it is therefore the more certain that prices will go lower. A sharp fall down to a firm bottom would suit many parties best.

English wools are the only ones to retain a show of firmness and this is due to their position as specialties and their comparative scarcity.

MILL NEWS

Connecticut, Bridgeport. Bids are being received by the Salt's Textile Mfg. Co. for the construction of a \$75,000 addition at the east side of the plant.

*Connecticut, Stafford. Twelve of the latest model, six-quarter fast running woolen looms have been installed in the Riverside Woolen Mills to take the place of twelve older looms.

Massachusetts, Millbury. Four new looms are being installed in the plant of the Millbury Mills, manufacturers of worsteds.

*Massachusetts, Webster. The new mill for which S. Slater & Sons, Inc. have just awarded the contract at \$110,000 is to replace old buildings. It is expected to be in operation in six months. This new building will be used as a yarn mill and will be 4 stories and basement, 175 by 132 feet, of brick construction. This new space will be largely filled up with machinery from other buildings and a rearrangement of the wool sorting, scouring, drying and yarn departments will be made.

Pennsylvania, Bridgeport. The Sterling Mills Company, of which Fred. Hird is now the superintendent, has increased the spinning department to 6 sets and 300 spindles. Cassimeres are manufactured on 38 looms.

Pennsylvania, Clifton Heights. The Caledonia Worsted Mills, manufacturers of cotton worsteds and cotton and wool mixed goods, with six sets, have recently increased their weaving equipment to 150 looms in addition to operating several hundred looms located in other mills in different sections of the country on commission. They are very busy.

Pennsylvania, Philadelphia. Joseph D. Swoyer & Co., Inc., manufacturers of woolen and merino yarns, are to increase their plant. About three-fourths of the building at Howard and Berk Sts. is now occupied and additional space will be taken over when vacated by other tenants whose leases soon expire. Five sets of cards and 3,000 spindles are operated at present with Christopher Berry as superintendent. The main office is in the Mariner & Merchants Bldg.



ROLLER CLOTH

In order to produce good cotton yarn the cloth on your rollers must afford just the right cushion and have uniformly even surface

CLEARER CLOTH

must have thick, strong nap that does not pull out and is of uniform length so that it will clear the rolls of *all* short fibres

SLASHER CLOTH

to give you good service must be porous and have sufficient cushion to thoroughly force the sizing into the yarn. To be economical it must have exceptional wearing qualities

The only way to be sure of getting Roller, Clearer and Slasher Cloths to meet your exact needs is to order those that bear the trade-mark of the oldest, largest and most progressive felt manufacturer in the country

American Felt Company

TRADE MARK



BOSTON, 103 Bedford Street
NEW YORK, 114 E. 13th Street

If your supply house is out of stock, we will ship to you direct. Make sure your roller coverer uses our brand. The trade-mark is your guarantee

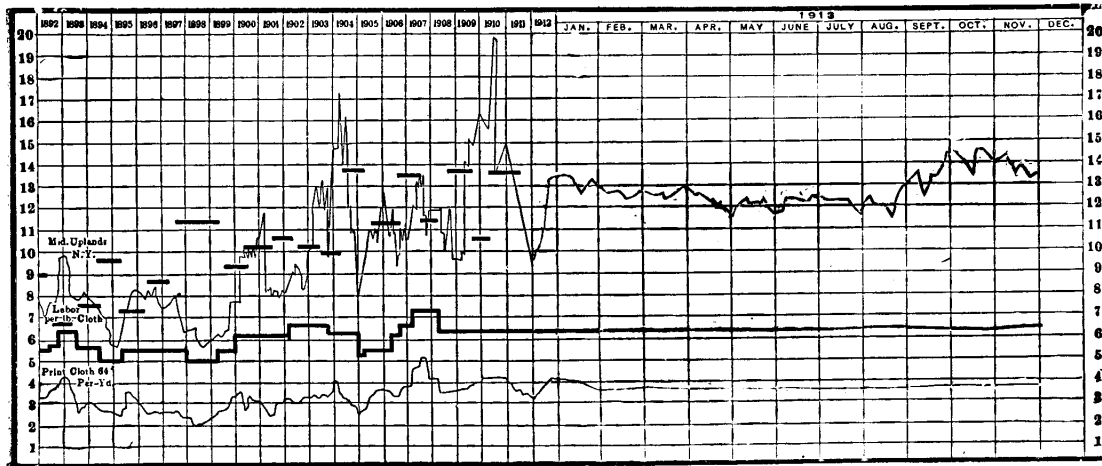


CHART SHOWING RANGE IN THE PRICE OF COTTON TO DATE
The short, heavy, horizontal lines indicate the size of the cotton crops in millions of bales.

THE COTTON MARKET

The tendency, as our chart clearly shows, has been for cotton prices to seek a lower level. This has been due to the pronounced falling off in the cotton trade abroad, the financial stringency, the movement into sight and the improved prospect for the present crop. The agitation for a reform of cotton exchanges continues to restrict speculation. The movement into sight from Sept. 1 to Nov. 28 is estimated by the "Chronicle" for a series of years as follows:

Year	Bales
1913, Nov. 28	7,112,024
1912, Nov. 29	7,109,898
1911, Dec. 1	7,935,791
1910, Dec. 2	6,203,729
1909, Dec. 3	5,992,894

The same authority reports the world's visible supply of cotton on Nov. 28 at 5,379,906 bales, as compared with 5,650,310 bales on the corresponding date of 1912, 4,706,034 bales in 1911, and 4,324,139 bales in 1910.

Quotations for leading grades of Egyptian cotton are reported by Richards, Atkinson and Haserick as follows:

MILL NEWS

*North Carolina, Greenville. R. B. Biberstein of Charlotte has been engaged as architect-engineer for the new Greenville Cotton Mills, Inc., recently organized. The proposed mill will be of

brick construction, 250 by 80 feet, with separate boiler and engine rooms, and will have 5,200 spindles and steam power plant to manufacture cotton yarns. Construction bids will be opened about the middle of December. J. G. Moye is president; E. B. Higgs, vice-president and treasurer, and W. H. Norris, manager and buyer.

*Rhode Island, Rockville. The new Yawgoo Line & Twine Company will begin manufacturing at Hopkinton this month. This concern was organized last May and took over the vacant mill at Hopkinton which has been transformed by the construction of a line walk and other additions and improvements into a yarn, twine and cordage plant, which will employ about 50 hands. A specialty will be made of tarred work. The plant contains a dye house and has steam and water power. The Yawgoo Line & Twine Company was incorporated with authorized capital stock of \$50,000, of which \$25,000 has been issued. G. B. Langworthy, of Ashaway, is president; Frank Hill, Ashaway, is treasurer; and Osmas Edwards of Rockville, is manager and buyer.

*Alabama, Florence. Construction work is progressing on a 75 by 40-foot addition to the plant of the Ashcraft Cotton Mills and on completion of the new manufacturing space new machinery costing \$20,000 will be installed. It was noted in October that the Ashcraft Cotton Mills plan to manufacture fancy cotton dress goods for converters in addition to their line of brown sheetings.

Alabama, Huntsville. Thirty new looms have been installed in the Abingdon Mills replacing a few old looms. Ducks, drills and osnaburgs are manufactured.

WEIMAR BROS. MANUFACTURERS OF **Cotton Mercerized Tapes**

SPOOL TAPES, BINDINGS AND NARROW FABRICS FOR UNDERWEAR AND OTHER TRADES

Phone Connections. Works, 2046-48 Amber Street, PHILADELPHIA, PA.

MILL NEWS

Alabama, Jacksonville. Spinning equipment and preparatory machinery for cotton yarn production will be installed in the Verlina Mill by the Profile Cotton Mills, the owners of the property. The Verlina Mill was originally equipped with 200 looms to weave Turkish towels and fancy cotton weaves. The building was taken over by the Profile Cotton Mills nearly a year ago and has since been idle. The looms have been removed and sold.

Alabama, Piedmont. An addition of two combers, one spinning frame and two twisters has been made to the equipment of the Coosa Mfg. Company.

*Georgia, Manchester. On the completion of the 2-story brick addition to the plant of the Manchester Cotton Mill, 5,000 new spindles will be added to the equipment.

*Georgia, Summerville. Work has been started on the foundation for the additional mill to be built by the Summerville Cotton Mills and the enlargement will be pushed rapidly to completion.

*Maine, Lewiston. Good progress is being made on the enlargements at the plant of the Bates Mfg. Co. and before the end of the month the large new weave shed will be roofed over. The new power department development will be completed when the new weave shed and other increases are finished. It is not expected, however, that the new equipment will be added this winter. As noted in previous reports the enlargements being made by the Bates Mfg. Co. will provide for approximately 75,000 additional spindles and 2,000 additional looms.

Massachusetts, Fall River. The Parker Mills have changed over a large part of the weaving department to wide looms and now have 2,096 narrow looms and 1,043 wide looms.

Massachusetts, Lowell. Additional power is required by the Merrimack Mfg. Company and a 3,000 k. w. turbine will be installed. It probably will not be in operation until about the middle of 1914.

*Massachusetts, New Bedford. Stockholders of the Beacon Mfg. Company have voted to issue new stock to the value of \$300,000, one-half to be preferred and one-half common. The proceeds from the sale of the new stock are to be applied on the addition to be built to increase the carding and spinning departments better to balance these departments with the rest of the plant, as noted earlier in the month. There is a possibility that some looms will be added also. Plans for the addition are being drawn by Knight C. Richmond of Providence, and ground will be broken at once. The addition will be located on the north and west sides of the plant.

Massachusetts, Webster. Plans are being prepared for a new weave shed and spinning room to take the place of the oldest building of the cotton plant of S. Slater & Son, Inc.

New Hampshire, Manchester. Forty-four looms have been received by the Amoskeag Mfg. Co. About 3,700 new looms have been installed by the Amoskeag Company during the last two years. A change is being made in the method of driving the spinning frames on the fifth floor of No. 1 mill. The worsted department is closed this week but will open next Monday.

New Hampshire, Nashua. Increases are to be made in the equipment of the Nashua Mfg. Company to take care of the increasing business. The treasurer states that nothing definite has been worked out although it is understood that orders for some new machinery have been placed. Cotton flannels, domets and blankets are manufactured and an announcement has been made to the effect that the mill is sold up and the lines have been withdrawn for the current season. The increases to be made will probably embrace many changes and additions.

*North Carolina, Gastonia. The addition to the plant of the Ozark Cotton Mills, on which work was started in August, is nearing completion and the new space will soon be ready for occupancy.

North Carolina, Gastonia. The only change being made in the equipment of the Arlington Cotton Mills, who are currently reported as enlarging, is the installation of one new comber.

*North Carolina, Gastonia. Early next spring the addition being built by the Dunn Mfg. Company will be equipped ready for manufacturing. This enlargement will increase the capacity from 6,400 spindles to 10,000 spindles. The contract for new combers has just been placed. R. C. Biberstein, of Charlotte, is in charge of this enlargement.

*North Carolina, High Point. According to report the Pickett Cotton Mills, manufacturers of print cloths, are considering plans for increasing from 12,000 spindles and 300 looms to 30,000 spindles and 750 looms. Nothing definite can be learned of the rumor that a new cotton mill company is to be organized in High Point and it is probable the report of the new mill referred to the Pickett Mills' enlargement.

North Carolina, Kannapolis. Ground has been broken for a new 4-story brick warehouse for the Cannon Mfg. Company.

*North Carolina, Landis. In accordance with the recent announcement the Corriher Mills, built several years ago but never used, are being equipped. The concern is proceeding to install machinery. There will be 4,000 spindles and preparatory machinery driven by electric power.

North Carolina, Lowell. An addition to the plant of the Peerless Mfg. Company is practically completed and a sprinkler system is being installed. Combed yarns are manufactured on present equipment of 5,000 ring spindles. John C. Rankin is president and superintendent, and S. M. Robinson is treasurer and buyer. Messrs. Rankin and Robinson are interested in building a new mill at Charlotte, as reported in another part of this issue.

DODGE

Dodge Capillary Self-Lubricating
Bearing

Cut Out the "Oil Patrolman"

OLD style bearings require an "Oil
Patrolman."

He costs about \$2.00 per day—
\$600 a year.

He takes care of 150 bearings per
day.

Dodge Capillary Self-lubricating
bearings save you that \$600.

They save you a waste of oil, loss
of time caused by "shut-downs," an
account to the oiler, and a possible
damage suit to you.

Clean and fill Dodge bearings once
or twice a year—your line runs more
smoothly and efficiently at \$4.50 per
bearing less per year.

Dodge bearings are interchangeable
in Dodge hanger frames.

Any of our branches or selling
agents can fix you up with the proper
size, or you can get in touch with
"Dodge-Mishawaka."

Dodge Manufacturing Company

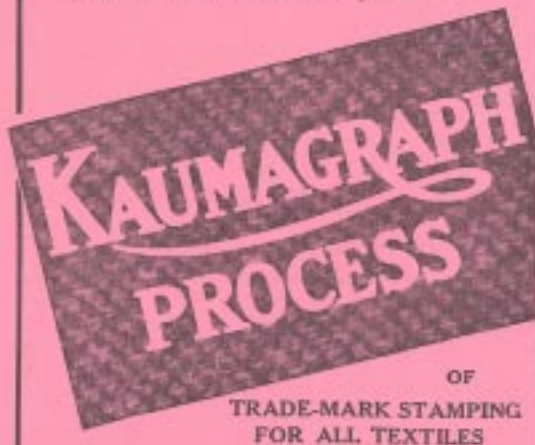
Power Transmission Machinery

Mishawaka, Indiana

Branches and Agencies in all Principal Cities

Why did the American Woolen Co.—

adopt the Kaumagraph Process? The
prestige of this great concern demanded a
stamp which would give distinction to a
piece of goods. Because the Kaumagraph
Process gives the most beautiful results
of any fabric trade-marking process yet de-
vised — because of its permanence and cleanness,
its rapidity of operation, and withal, its almost negligible
cost, the American Woolen Co. adopted the



The Kaumagraph Process is the only process that
will mark successfully every kind of fabric—dark or
light, rough or smooth, ribbed or plain, from silk to
blankets. It stamps any design or trade-mark, how-
ever elaborate, on any fabric in any color (silver and
gold also) with absolute uniformity and perfect detail.

You buy Kaumagraph stamps *ready for use*,
either in packages or in rolls of thin paper tape. They
are applied automatically to goods during some process of
manufacture, or very rapidly by hand with unskilled
labor. Their cost is insignificant, especially in large
quantities.

Silver and gold stamping costs no more than colors
by the Kaumagraph Process. It is much more rapid
than any of the decalcomanie processes because
Kaumagraph stamps do not need to be cut apart or
wet. Kaumagraph impressions are dry, do not blur
or offset, and as the composition tends to penetrate
the goods instead of remaining on the surface, the
Kaumagraph stamp is more permanent than any other
on the market.

The Kaumagraph Process is used on practically
all fabrics now being advertised. Manufacturers, who
are considering trade-marking their goods or adopting
more efficient and economical methods of trade mark-
ing are urged to write us frankly without thought of
obligation. Meanwhile use the coupon now.

TEAR OFF AND MAIL THE COUPON

Kaumagraph Co., 209 W. 38th St., New York

Send me samples and more information

My name, address and firm name are written below

MERCERIZED YARNS

DYERS, BLEACHERS, GASSERS

Dyers of Colors Fast to
SUN AND BLEACHING

Aberfoyle

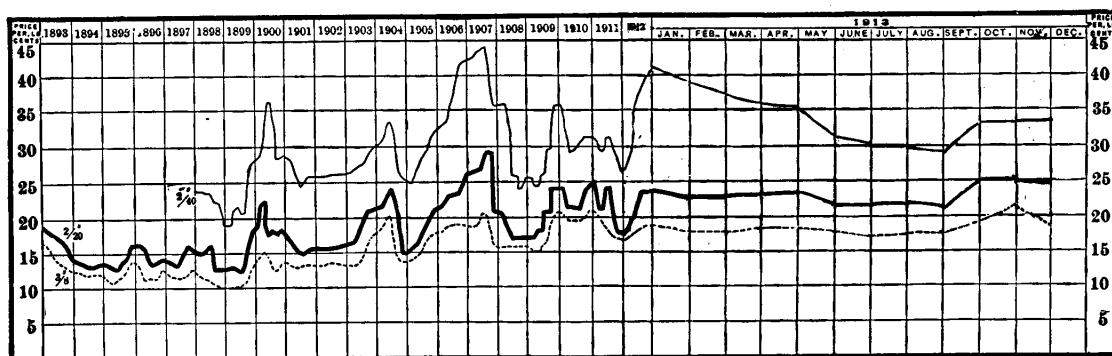
Manufacturing Company

CHESTER, PA.

310 Lafayette Building
Philadelphia

746 Insurance Exchange
Chicago

Yarn Department



GRAPHIC CHART SHOWING RANGE IN THE PRICE OF COTTON YARN TO DATE.

THE COTTON YARN MARKET

The market for cotton yarn has become somewhat easier. This condition is not unnatural when the previous reported advance is considered. A certain reaction is always experienced after a rise in prices. Another circumstance which tends to make prices slightly easier is that manufacturers have advanced the prices of their goods. Until they realize the advance it is but good judgment to be conservative in the placing of contracts for yarns. Deliveries, however, continue extremely good. Stocks are small and some sizes are scarce. Spinners are sold ahead from four to eight weeks and are asking prices fully one cent above today's quotations upon contracts to follow their present orders. The general tone of the dry goods business in all lines is good and business on a whole is much better than in other lines. The textile industry seems to have discounted the effects of the new tariff regulations with the result that there is in the market smaller supplies in proportion to the demand than at any time during a good many years past. Prices are at the bottom and they will be higher after the first of the year.

Eastern Cops

6s	20 ³ / ₄
8s	20 ³ / ₄
10s	23 ¹ / ₄
14s	24 ¹ / ₄
16s	24 ³ / ₄
18s	25 ¹ / ₄
20s	25 ³ / ₄
22s	26 ¹ / ₄
24s	26 ³ / ₄
26s	27 ¹ / ₄
30s	28 ¹ / ₄
34s	30 ¹ / ₂
36s	31 ¹ / ₂
40s	33

On cones, ³/₄c. more up to 14s; 1c. more from 15s to 22s; 1¹/₂c. from 23s to 35s, and 2c. above that.

Eastern Two-Ply Skeins, Carded Peeler

12s	24 ¹ / ₂
14s	25
18s	26
20s	26 ¹ / ₂
24s	28
26s	29
30s	30
36s	37 ¹ / ₂
40s	39 ¹ / ₂
45s	43 ¹ / ₂
50s	46 ¹ / ₂
55s	48
60s	53

Eastern Two-Ply Warps, Carded Peeler

2/30s	30 ¹ / ₂
2/36s	37 ¹ / ₂
2/40s	39 ¹ / ₂
2/45s	43 ¹ / ₂
2/50s	46 ¹ / ₂
2/60s	54 ¹ / ₂

THE PHILADELPHIA MARKET

7s and coarser	22
8s and 9s	22 ¹ / ₄
10s	22 ¹ / ₂
12s	23
14s	23 ¹ / ₂
16s	24
18s	24 ¹ / ₂
20s	25
22s	25 ¹ / ₂
24s	26 ¹ / ₂
26s	27
30s	28
40s	35
50s	40

Southern high grade mule yarns:—

THE J. R. MONTGOMERY CO.
 Windsor Locks, - Conn.

MANUFACTURERS OF

Novelty Yarns Boucle, Bourette and Spirals, in Cotton, Wool, Worsted, Mohair and Silk.

Cotton Warps on Beams, Jack Spools, Tubes and Cones. In Fancy Twist, Colors and Printed.

Mercerized Cotton Yarns Gives the High Silk-Like Lustre in Knit Goods and Woven Fabrics.



ARABOL MANUFACTURING COMPANY,

100 William Street New York.

Sizing, Stiffening, Softening and Finishing Compounds, Glues, Gums, Dextrines, Starches, China Clay, Bone Size and Grease, Soap, Tallow, Weighteners.

EVERYTHING IN SIZINGS, Etc. SAMPLES MATCHED. HIGH GRADE GOODS.

MONUMENT MILLS, HOUSATONIC, MASS.

HIGH GRADE COTTON YARNS White, Colors, Bleached
 On Beams, Jack-Spools, Cones, Skeins and Chain Warps

FAST-BLACKS & COLORS { For Woolen Mills } WE SELL
 a Specialty DIRECT

C. MOORE & CO.
 Manufacturers of
Twines, Threads and Yarns
 Jacquard Harness Twines of all kinds on hand and made to order
 S. W. Cor. Fifth and Market Sts., Phila.

JOHN F. STREET & CO.
Cotton Yarns
 PROVIDENCE, R. I.
 Providence, Chicago, Philadelphia, New York

JAMES E. MITCHELL CO.
 COMMISSION MERCHANTS
COTTON YARNS
 122-124 Chestnut Street, - - - Philadelphia, Pa.
 Brown Building, 185 Summer Street, - Boston, Mass.

William Whitman & Co
 COMMISSION MERCHANTS
COTTON and WORSTED YARNS
 BOSTON NEW YORK PHILA. CHICAGO CHARLOTTE

LUDWIG LITTAUER

YARNS Tram, THROWN SILK, Organzine. ARTIFICIAL OR WOOD SILK. **YARNS**
 Plain, Gassed, Mercerized, Prepared and other Cotton Yarns. Polished and Glazed Threads and Yarns. Mohair and Worsted, Tinsel and Turkey Eed Yarns.
 Best Quality Harness Twine
 109 GREENE STREET, NEW YORK
 Silk Throwing Mills BOONVILLE and YONKERS, N. Y.

Simplex Yarn Tables.

Showing equivalent sizes of different systems of numbering yarn; cotton, woolen, worsted, etc., so that the sizes of different standards may be quickly compared. Also contains a number of other valuable yarn tables for designers, manufacturers and knitters. PRICE 50c. Textile World Record, Boston.

HIGH GRADE **PRESS PAPERS** FOR SILK, WOOLEN AND KNIT GOODS FINISHING

ALSO Jacquard Cards AND Specialties

THE MERWIN PAPER COMPANY
 MILLS: RAINBOW, CONN.-HARTFORD, CONN.

Cones	
10s	24
12s	24½
14s	25
16s	25½
18s	26
20s and 22s	26½-27
24s	27½
Southern frame yarn, lower grades:—	
6s and 8s	22
10s	22
Eastern cones (high grade quality):—	
10s	24½
12s	25
14s	25½
16s	26¼
18s	26¾
20s and 22s	27¼-27¾
Skein yarn (mostly Southern):—	
4s and 8s soft	21½
10s and 12s	22½-23
14s and 20s	23½-25
22s	25½
10/2	22½
16/2	23
20/2	24½
30/2	27½
40/2	34
8/2	22
7/6	22
Southern warps:—	
10/1	22
14/1	23
16/1	23½
20/1	25
22/1	25½
26/1	26½
30/1	28
8/2	22
12/2	23
14/2	23½
16/2	24
20/2	25

26/2	26½
30/2	28
40/2	34
50/2	40

MILL NEWS

*South Carolina, Anderson. Preparations are being made to organize a new corporation to take over and operate the Cox Mill, recently purchased by Wellington, Sears & Co., of Boston. A large expenditure is being made in connection with enlargements and improvements incidental to changing over the plant to a fine grade duck mill. Robert E. Ligon, of Anderson, who is associated with another mill controlled by Wellington, Sears & Co., will be manager of the Cox Mill.

South Carolina, Central. Additional lappers and other cotton preparatory machinery have been purchased by the Isaquecna Mill.




RAMIE YARNS

In all numbers for
Knitting, Weaving and Laces

Manufacturers
Erste Deutsche Ramie Gesellschaft
Emmendingen, Germany

Sole Agents
PFALTZ & BAUER
Importers
300 PEARL STREET
NEW YORK




E. WHEELER JENKINS
RALPH S. BYRAM, ASSOCIATE

TRIMMINGS of All Kinds
FOR KNIT UNDERWEAR

Mariner and Merchant Bldg., 3d and Chestnut Sts., PHILA., PA.
N. Y. Office, 366 Broadway



We Can Save Your \$

We specialize on bands, labels, box tops, tickets, stickers, and commercial printing for the Textile Trade and kindred industries.

Acme Print Co., Reading, Pa.

THE DEPENDABLE

GOLD STAMPS

SKETCHES AND SAMPLES ON REQUEST

MEYERCORD CO. PHILADELPHIA & CHICAGO.

THE HALL LACE CO., Jersey City, N. J.

MANUFACTURERS OF

LACES AND INSERTIONS

in qualities, widths and designs especially adapted for trimming knitted underwear.

E. WHEELER JENKINS, SELLING AGENT
Mariner and Merchant Bldg., 3d and Chestnut Sts., PHILADELPHIA
New York Office, 366 Broadway.

BUFF and WHITE SILK WRAPPERS

And all Grades of Wrapping Stock for the Textile Trade

MANUFACTURED BY

STANDARD PAPER CO. - Kalamazoo, Mich.

S. T. Crocker, Pres. W. F. Stiles, Treas.



ORSWELL MILLS

FITCHBURG, MASS.

Capacity, 45,000 Spindles.

HIGH GRADE YARNS

From Egyptian and Peeler Cotton, Carded or Combed, in Chains and Skeins, on Balls, Beams, Spools, Cops, Cones, Tubes, Single or Twisted.

JENCKES SPINNING COMPANY

PAWTUCKET, RHODE ISLAND

COTTON YARNS

CARDED and COMBED, in Nos. 10 to 120, from PEELER EGYPTIAN and SEA ISLAND COTTONS. MERCERIZED YARNS, IN SINGLE OR PLY, A SPECIALTY



INDUSTRIAL MILLS CO.

Jasper and Huntingdon Sts. Phila., Pa.

Manufacturers of

NARROW FABRICS

SPOOL TAPES, STAY BINDINGS AND BRAIDS

also Sole Manufacturers of

SAXON

New Guaranteed Non-Shrinkable Tape

Reels for Cotton WOOLEN AND WORSTED

Patented Hosiery Winders, Cop Winders and Spoolers.

LINDSAY, HYDE & CO.,

2174 to 2180 East York St., PHILADELPHIA, PA.

A. G. THURSTON & SON

Manufacturers of

Fluted Rolls, Pressers for Flyers AND GENERAL MACHINERY

Specialties made of Renecking, Refluting, Filing and Honing of all kinds of Rolls. Flyers Repaired and Fitted with any desired Style of Pressers, Spindles Straightened, Restepped and Retopped.

BOX 528, FALL RIVER, MASS.

Knitting and Weaving YARNS

Cones, Cops, Warps, Skeins,
Single, Double, Three-Ply, etc.
Peeler, Egyptian, Mixed Colors.
Large Assortment

EDWARD S. HYDE

226 CHESTNUT STREET

Philadelphia, Pa.

F. W. MAURER & SONS CO.

MANUFACTURERS OF

Fringes, Tapes, Bindings & Narrow Fabrics

Office and Factory: WAYNE AVE. and BRISTOL ST. PHILADELPHIA

Fred Sternberg & Co.

530 BROADWAY, NEW YORK

MERCERIZED
GLAZED
GASSED

COTTON YARNS

Lowell Crayons

Meet the requirements of any cotton, woolen or worsted mill.

May we send samples? 15 colors and white

LOWELL CRAYON CO. Original Manufacturers LOWELL, MASS.

TRADE MARK ON EVERY BOX

The Bradley Stencil Machine

Makes stencils in half a minute, at reduced cost of 1-10 cent each. Write for catalogue and price list.

In universal use by thousands of manufacturers and shippers.

Also manufacturers of Oil Stencil Board. Write for prices and samples.



A. J. BRADLEY
General Sales Agent

101 Beekman St.
New York, U. S. A.

101 Beekman St.
New York, U.S.A.

Woolen and Merino YARNS

Eaton Rapids Woolen Mills

EATON RAPIDS, MICHIGAN

BOSTON MASS.

BRADFORD ENG.

RICHARDS, ATKINSON & HASERICK

IMPORTERS

TEXTILE MACHINERY
MILL SUPPLIES
EGYPTIAN COTTON

PHILADELPHIA OFFICE
"THE ARCADE"

THE LINEN YARN MARKET

Reports from Belfast have been far from encouraging, although spinners had previously been optimistic. Business has not been realized at anything near the point anticipated. Spinners, however, report being busy, but commission houses seem to have anything but a bright outlook as business is not coming along as it should. Tow yarns of all counts are very much in demand and prices are ruling firm, although the demand seems to be too restricted to make the outlook bright. In general orders are for immediate delivery and very little of a speculative character. Prices abroad remain the same.

In America there is an increased demand for linen yarns and a larger volume of business is being done each month. Prices on yarns have been reduced from 10 to 15 cents per pound since the passage of the new tariff, while the manufacturer is holding his goods at about the same figure as under the old tariff. The reduction in the price of yarns under the new tariff are said to be about 25 per cent. below the old rate. Our schedule has been changed to meet these figures.

("A" Quality)

35s Lea on cones	85
50s Lea on cones	90
60s Lea on cones	95
80s Lea on cones	1.00
90s Lea on cones	1.10
100s Lea on cones	1.15
110s Lea on cones	1.30
120s Lea on cones	1.50

HUGHES FAWCETT
 115 and 117 Franklin St., New York
Linen Weaving and Knitting Yarns
Linen Jacquard Harness Twines
 And Linen Yarns and Threads for every purpose
Turkey Red Yarns
 LARGE STOCK PROMPT DELIVERIES

MILL NEWS

North Carolina, Roanoke Rapids. At a recent meeting of the directors of the Patterson Mills Company the matter of enlarging the mill was considered and it is understood that an addition is to be built. The plant is very busy.

North Carolina, Selma. The Ethel Cotton Mills have sold their knitting machines and dye house equipment to D. B. Mull of the Drexel (N. C.) Knitting Mills. Mr. Mull will move the equipment to Connellys Springs, N. C., as noted in another part of this issue. The Ethel Cotton Mills disposed of the knitting department in order to increase the cotton yarn department and provision is being made to install 3,000 additional spindles with preparatory machinery.

South Carolina, Clifton. New water wheels are to be installed by the Clifton Mfg. Company and the plant is closed for two weeks while this change is being made.

South Carolina, Clinton. It is reported the Lydia Cotton Mills are considering plans for enlargements which will practically double the plant. Six new spinning frames were recently installed.

South Carolina, Clinton. An increase of 3,000 spindles is to be made in the equipment of the Clinton Cotton Mills and this additional machinery is to be installed at once.

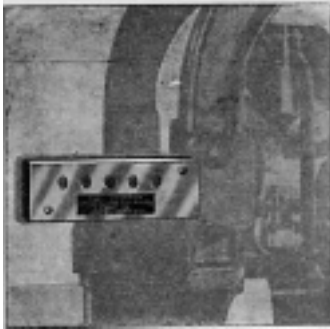
South Carolina, Conestee. It has been decided to install 2,000 additional spindles in the Conestee Mills. The matter of replacing the old looms with new automatic looms has not been finally disposed of. The post office address is Greenville, S. C.

*South Carolina, Greenwood. Additions to the equipment of the Panola Cotton Mills will be completed about January 1. It has been noted that 5,300 spindles with preparatory machinery and 125 automatic looms are to be added.

LINDSAY THOMPSON & CO., LTD.
 FLAX SPINNERS BELFAST, IRELAND
Linen Weaving and Knitting Yarns.
 LINEN THREADS OF EVERY DESCRIPTION
 T. J. PORTER & SONS Large Stocks
 Selling Agents, Philadelphia Quick Delivery

THE RAMIE AGENCY **RAMIE THREADS AND YARNS**
 Manufacturers' Agents
Ramie Slivers and Rovings Ramie Gas Mantle Threads, and Everything in Ramie
 45 EAST 17TH STREET, NEW YORK

A GERMAN MANUFACTURER OF WOOL NOVELTIES
 DESIRES TO SUPPLY THE TRADE IN THE UNITED STATES WITH
Rangers of the latest designs in Cheviots, English and Scotch Tweeds.
 FOR FURTHER INFORMATION, ADDRESS
PAUL STEIN, 249 Scholes Street, Brooklyn, N. Y.



COUNTING "PICKS"

Mechanical counters are extensively used for their convenience and reliability in this work.

In Paying Weavers

you will find that payment by the "pick" is the most satisfactory way for both you and the weaver.

Count the "picks" with Roco Counters — they are accurate.

We make a variety of counters for use on different textile machines. Send for "Catalog 18."

THE C. J. ROOT COMPANY
Bristol, Conn.

S HIGH GRADE S
O Bleaching, Fulling and Scouring O
A SOAPS A
P Red Oil and Olive Oil Crown Soaps P
S J. O. Draper Co. Est. 1880 Pawtucket, R. I. S

Established 1796

Special shaped carbon, black diamond, pointed tools for turning paper, rag, corn husk and cotton calender rolls, hard rubber, fibre, etc. Manufactured by
Thos. L. Dickinson, Successor to John Dickinson, 64 Nassau St.
New York City

Established 1844.

BENJ. BUCKLEY'S SON,
(WM. J. BUCKLEY) Gun Mill, Patterson, N. J.
Manufacturer of all kinds of SPINDLES, FLYERS,
RINGS, TUBES, CAPS, etc., for Cotton, Silk,
Flax, Woolen and Worsted Machinery.
Roving Spindles and Flyers a Specialty. Light Forgings.
REPAIRING OF ALL KINDS.

**Elliot
Cloth Folder
and Measurer**

FOR PRINT WORKS
GINGHAM AND
COTTON MILLS
BLEACHERIES,
ETC., ETC.

Send for circular.
Manufactured by

ELLIOTT & HALL, 54½ Hermon St., Worcester, Mass.

MILL NEWS

South Carolina, Inman. The looms in the Inman Mills are being equipped with warp stop motions.

*South Carolina, Lexington. A sprinkler system is to be installed in the plant of the Lexington Mfg. Co. Extensive improvements and repairs have been in progress at this property for several months.

South Carolina, Rock Hill. About 2,000 more spindles with preparatory machinery are to be installed in the Wymojo Yarn Mills. Cotton lace curtain yarns are manufactured.

South Carolina, Valley Falls. Next spring the Valley Falls Mfg. Company will make improvements in the water power equipment and install new water wheels.

*Texas, Dallas. Two thousand, six hundred spindles and preparatory machinery have been contracted for by the Dallas Cotton Mills to replace an equal amount of old equipment. There is no change in the weaving department.

*Alabama, Demopolis. The Demopolis Cotton Mills have begun manufacturing and are making mule spun waste yarns, 1s to 5s, single and ply. This is a new concern which has taken over the Elmore Cotton Mills. The capital stock is \$30,000. W. W. Brame has been elected president; George D. Mentz, treasurer; James S. Bradbury, agent and buyer.

*Georgia, Social Circle. Application has been made for a charter for the Social Circle Cotton Mill Company, a reorganization of the Social Circle Cotton Mills. The plant will be started up in the next two or three weeks. W. P. Wallace of Rutledge is chairman of the committee which is organizing the new company and probably will be elected president.

New York, Cohoes. The court has confirmed the settlement of Clute Bros., Inc., with creditors and the bankruptcy proceedings have been dismissed. The plant has been started up again and is running as usual with A. J. Clute in charge.

*North Carolina, High Point. In about ten days the new Highland Cotton Mills, Inc., will begin manufacturing. Full details of this 12,000-spindle hosiery yarn mill have been given from time to time.

*South Carolina, Charleston. The Royal Mills have started up the old plant of the Royal Bag & Yarn Mfg. Company in part, making 4 to 12s yarns, brown sheetings, denims and seamless bags. The Royal Mills is headed by Capt. F. W. Wagener, who is president. P. F. Sullivant is treasurer and R. A. Burris is manager and buyer. Catlin & Co. and the Putnam-Hooker Co. are the selling agents.

F. C. BARTON

65 Worth Street, New York

MANUFACTURERS OF

"LILY" BRAND NARROW FABRICS
WEB, TAPE, BINDINGS, ETC.

THE BIAS NARROW FABRIC CO.

F. C. BARTON, President

65 Worth Street, New York

Bias and Straight Cut Fabrics and Ribbons.
Embossing and Cutting Customers Own Goods a Specialty.

MILL NEWS

Pennsylvania, Philadelphia. H. G. Fetterolf, operating an equipment on Wilton rugs and carpets at Wayne Junction, is arranging for the erection of a new plant on a plot of ground recently purchased at Stenton Ave. and Loudon St., on which he will have built a one and three story mill building containing about 55,000 square feet which will cost in the neighborhood of \$100,000.

*Rhode Island, Harrisville. One of the two additions to the plant of the Stillwater Worsted Company is now occupied by the finishing department. The other addition is nearing completion.

Rhode Island, Providence. An addition is being built to No. 1 mill of the Atlantic Mills. This is in addition to the building of two stories on the ell of No. 1 mill reported earlier in the month. As noted in another part of this issue the Atlantic Mills will discontinue the branch plant at Stottville, N. Y., and a new company will be formed to operate that plant.

Rhode Island, Woonsocket. An addition is to be built to the Samoset Worsted Mills, 88 by 115 feet, and 2,400 spindles will be added. Bradford spun worsted yarns up to 2/50s are manufactured on present equipment of 10,200 spindles. Charles L. Harding is president; E. S. Dunn, treasurer; and Walter, Scott, agent. Harding, Tilton & Co., are the selling agents.

*Tennessee, Springfield. In addition to increasing the weaving equipment the Springfield Woolen Mills Company are adding a new napper and a new drying machine. The new looms added include two jacquards and eight broad blanket looms. An additional set of cards also has been set up. These increases give an equipment of six sets of cards and 60 looms. Harry Tatham is superintendent and buyer.

West Virginia, Webster. It has been decided to rebuild the plant of the Webster Woolen Mills Company which was burned last February with loss of about \$35,000. The capital stock will be increased to \$50,000 and the new mill will have about twice the capacity of the old two-set plant. New interests have come into the project.

Connecticut, Stafford Springs. It is reported the plant of A. D. Ellis, which has been closed for several months, is to resume operations. This plant contains three sets of cards and fifteen looms.

*Maine, Camden. Stock has been started through the card room of the Lincoln Woolen Mill, which is being started up by Parker, Wilder & Co., selling agents of Boston. The mill will be operated under the old name of the Lincoln Woolen Company; Charles I. Lincoln in charge.

*Massachusetts, West Millbury. George Geb, overseer of carding for the Franklin Yarn Co., at Franklin, Mass., will start up the carding and spinning departments of the Millbury Mills plant in West Millbury about December 1, on woolen and merino sale yarns. The plant has been idle for some time.



This Book on

Dixon's Flake Graphite

Will solve your lubrication problems. Write for it, asking for No. 120

Made in JERSEY CITY, N. J., by the

JOSEPH DIXON CRUCIBLE COMPANY

Established 1827



Gilbert Wood Split Pulleys

SAGINAW
Manufacturing Company
SAGINAW, MICH., U. S. A.
New Illustrated Catalogue on request

New York Branch, 88 Warren Street

Chicago Branch, 105-109 North Canal Street

Sales Agencies in all the Principal Cities

Cable Address: Engrave

A B C and Lieber's Codes

RIGHT IN PRICE RIGHT IN QUALITY

A single brush costs little, but when you are buying for a big mill the total cost runs high.
Moral: get the best—

That Means Felton's Brushes

Buying more raw material and making more mill and factory brushes than anyone else, we can give high quality at low prices and we do.
Send for the book "Felton's Mill Brushes."

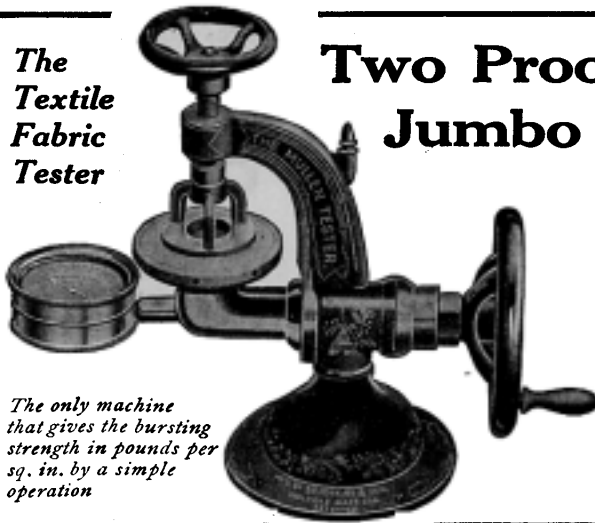
S. A. FELTON & SON CO., Manchester, N. H.

PROVIDENCE MENDING Co.

*Burlers, Speckers and Menders
of Textile Fabrics*

**2600 North Sixth St. Bell Phone, Diamond 628
PHILADELPHIA, PA.**

**The
Textile
Fabric
Tester**



*The only machine
that gives the bursting
strength in pounds per
sq. in. by a simple
operation*

Two Proofs of Quality in Jumbo Mullen Testers

1. The U. S. Government adopted Mullen Testers as the standard for testing paper.
2. The R. R. Freight Classification Committees adopted Mullen Testers as their standard. Every fibre case shipped bears a stamp to show that it will stand "a resistance of pounds to the sq. in. (Mullen test.)"

The Jumbo Mullen Tester is equally good for testing textile fabrics of all kinds. It is extensively used by hosiery and underwear manufacturers.

Ask for descriptive matter and names of textile mills using the Jumbo Mullen Tester. Send for Catalog No. 85 B.

B. F. Perkins & Son, Inc.
HOLYOKE, MASS.

Badger Quality Products for Textile Mills

We have the finest equipped sheet metal and coppersmithing plant in New England and can give prompt attention to orders of all kinds for

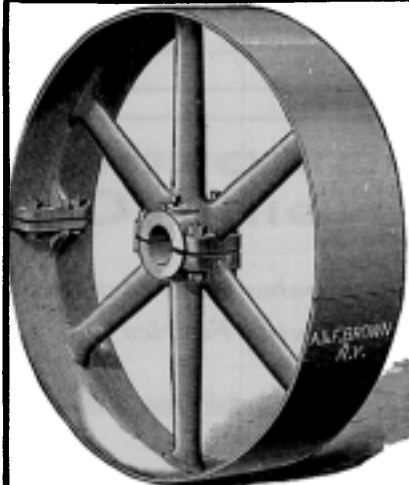
Dye Kettles, Copper Vats, Ventilators, Fire-Proof Windows, Copper Expansion Joints

These new expansion joints in particular should interest every mill engineer as they are made of corrugated copper and cannot leak. They are unequalled for taking up expansion in steam, hot water, or gas pipe lines and they never require packing or attention of any kind.

Let us send you our booklets on our various products. Write now to

The E. B. Badger & Sons Company
73 Pitts Street, Boston, Mass.

50-38



THE A. & F. BROWN CO.

ENGINEERS
FOUNDERS, MACHINISTS AND MILLWRIGHTS
79 BARCLAY STREET., NEW YORK

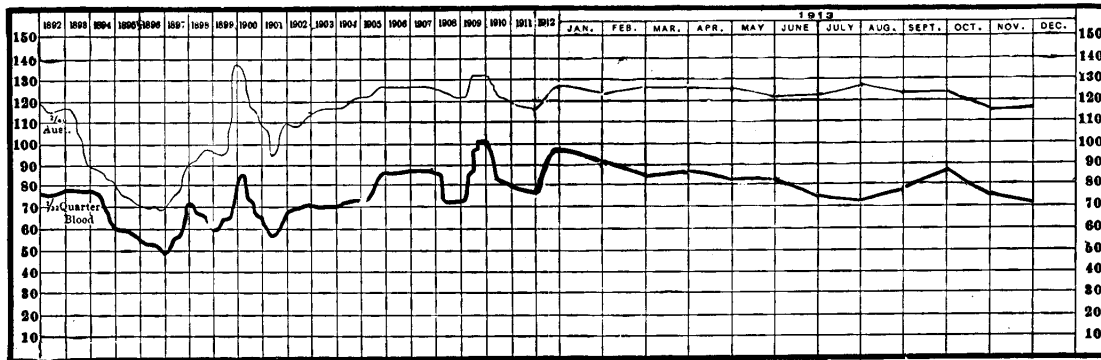
GEARS

SHAFTING, PULLEYS, HANGERS
SPLIT PULLEYS
FRICTION CLUTCH COUPLINGS
BALL COLOR MILLS
ROPE DRIVES

Special Machinery Built to Drawings and Specifications

**WE LAY OUT, MAKE THE DRAWINGS, FURNISH
THE MATERIAL AND ERECT IT**

SEND FOR CATALOGUE WORKS: ELIZABETHPORT, N. J.



GRAPHIC CHART SHOWING RANGE IN PRICE OF WORSTED YARN.

THE WORSTED YARN MARKET

The demand for worsted yarns, especially French spun, continues in very good volume from the men's wear trade, who are buying single yarns in 30s, 32s and 22s in good high quarters and 1/40s, 2/50s and 2/60s; also fancy mixes and Oxford mixes in 2/40s and 2/50s. These orders, while not large, are being steadily placed for immediate delivery in lots of 2,000 to 5,000 pounds. Deliveries are demanded at once. Vigoureaux mixes are also in good demand, especially in 1/25s in 50, 75 and 95 per cent. black.

Dress goods manufacturers do not seem to be placing much in the way of orders for worsted yarns and are reported as using mainly novelty yarns and cotton with also a line of 1/22s in black and white which they are using in making checked fabrics.

Spinners of Bradford yarn, while not securing the business he should from the weaving trade at this time, has plenty of business from the knitters for whom he is working on orders for immediate delivery in addition to the large quantities of yarns which he has booked for delivery beginning January 1st. A considerable portion of this business is reported as having come from the West with the East coming in a good second. These orders call for heavy rovings from 2/5s up to 2/32s mostly in quarter and 3/8 bloods, the average price being 72 1/2 cents, dyed for 2/16s and other sizes in proportion, the spinners claiming this to be a good price under existing conditions.

Agents representing spinners of foreign worsted yarns in this market report the placing of considerable business for their goods at prices prevailing under the old tariff and for immediate delivery. One house reports the sale of upwards of thirty thousand pounds and states that on future orders prices will be adjusted to meet the new tariff. These yarns are being made up into sample fab-

rics and it is expected that under the new price quoted by these spinners considerable business will be booked.

BRADFORD SPUN YARN

2/16 Ingrain (black)	54
2/16 Ingrain (light grey)	55
2/16 Ingrain (white)	56
2/12 to 2/16 low common	60-62½
2/20 to 2/24 low 1/4	65-67½
2/20 to 2/25 1/4 blood	67½-70
2/26 to 2/28 1/4 blood	68½-71
2/32 1/4 blood	70
2/20 3/8 blood	70-72½
2/26 3/8 blood	72½-75
2/32 3/8 blood	75-77½
2/36 3/8 blood	80-82½
2/40 1/2 blood	87½
2/40 delaine	95
2/50 delaine	1.00
2/40 Australian	1.15
2/50 Australian	1.25-1.27½
2/60 Australian	1.35-1.37½
3/28 luster	95
3/30 and 3/32 luster	95-97½
3/36 luster	1.10-1.12½
1/24 worsted and 80s single cotton for raincloths	1.20-1.25
1/24 worsted and 120 single cotton for raincloths	1.05-1.10

FRENCH SPUN MERINO YARNS—FINE ONE-HALF BLOODS

Standard Grade			
1/20 50/50 White Merino Cop	65		
1/30 50/50 White Merino Cop	67		
1/40 50/50 White Merino Cop	70		
1/20 60/40 White Merino Cop	68½		
1/30 60/40 White Merino Cop	70½		
1/40 60/40 White Merino Cop	73½		
1/20 70/30 White Merino Cop	71½		
1/30 70/30 White Merino Cop	73½		
1/40 70/30 White Merino Cop	77		
1/20 80/20 White Merino Cop	74		
1/30 80/20 White Merino Cop	76		
1/40 80/20 White Merino Cop	78		
Sliver and Sanitary Mixes	3c. more		

If you want
**Splendid
 Garnetted
 Stock**
 made of
 Cotton, Wool or Silk,
 the finest the market
 affords, made by men
 who are "KEEN"
 after the work—who
 delight in doing it right—
 Then write GRAVES
 for samples.

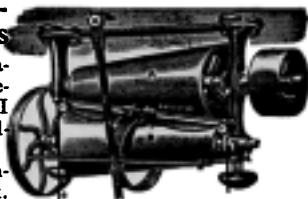
Frank B. Graves Co.
 34 Arch Street, Albany, N. Y.

Variable Speed Countershafts

The Evans Friction Cone Pulleys

will drive your machines at any desired speed from 1 to 6 by simply pulling a cord.

They are guaranteed to do your work.



We'll furnish them for either floor or hanging use. Over Ten Thousand Sets in Operation in this Country and Europe. Send for Catalogue.

EVANS FRICTION CONE COMPANY
 G. Frank Evans. Newton Center, Mass.

Coning on 1/20 2c. more
 Coning on 1/30 3c. more
 Coning on 1/40 4c. more

FRENCH SPUN YARN

1/20 1/4 blood 65
 1/20 high 1/4 67½
 1/20 3/8 75
 1/20 high 3/8 76-78
 1/20 1/2 blood 80
 1/30 1/2 blood 82
 1/40 1/2 blood 84
 1/50 delaine 95-97½
 1/40 Australian 1.12-1.15
 1/50 Australian 1.17½-1.20
 1/60 Australian 1.30-1.32½
 1/70 Australian 1.40-1.42½

For two ply Knitting Twist add 5c. additional to above prices.

For two ply weaving yarns add 7 1/2c. additional to above prices.

KNITTING YARNS

Dyed and Bleached—Bradford System

2/7s straight 1/4 blood 72½
 2 and 3 ply 10s-15s straight 1/4 blood 75
 2 and 3 ply 16s-20s straight 1/4 blood 75
 2 and 3 ply 20s-24s straight 1/4 blood .. 77½-80
 2 and 3 ply 24s-28s straight 1/4 blood 80

WOOLEN AND MERINO YARNS

The spinners of woolen and merino yarns have about finished up their business for the year and are working on small orders, coming in from time to time, for quick delivery and on sample lots for the coming season. Prices are easier than they were a month ago. The woolen spinner is now in the position where he must adjust his prices to meet the competition of the worsted spinner who is offering yarns at a greatly reduced figure and consequently is the bulk of the business from the knitting trade. The buying today is principally on 2/20 and 2/23 cut yarns and heavier yarns for Shaker sweaters, 2/7s, 8s, 9s and 10s being the predominating counts asked for on this grade with 2/20 and 2/23 cut at 60 to 62 1/2 cents and 2/7s to 2/10s at 57 1/2 to 60 cents. Prices will probably be lower after the first of the year. Some contracts have been placed, but the consumer, as a rule, is holding off with the idea that woolen yarns will be cheaper after the adjustment in prices have been made.

WOOLEN AND MERINO YARNS

2/20 Light Grey Mixed...	.80%	20%	52-55
2/20 Light Grey Mixed...	.90%	10%	57½-60
2/20 Light Grey All Wool			62½
2/20 Colored All Wool			60
2/20 Bleached .....	.80%	20%	62½-65
2/20 Bleached .....	.90%	10%	67½-70
2/20 Bleached All Wool			70-72½
2/23 Colored All Wool			62½-65

2/23 Bleached 90/10	67½-70
2/23 Bleached All Wool	72½-75
2/25 Light Grey Mixed All Wool	80-82½
2/25 Bleached All Wool	85-87½

Blacks	6
Blues	10
Fine dark	7-12
Medium dark	4-5

Serges

Black	10
Blue	10-11

Flannels

Very light	17½-18½
Mixed	10-11
Black	7-8

SOFTS AND KNIT STOCK

Soft wools, best	5-6½
Old white flannels	11-14
Old red flannels	10-11
Old blue flannels	3-5½
Old plaids	4½
White stockings	20-24½
Clear dark hoods	7-8
Light hood stock	13-14

THE RAG AND SHODDY MARKET

The market for rags and shoddy has showed no change since our last report. Buyers have given orders to cover only immediate requirements. Prices, while showing but slight changes, have shown a tendency toward lower levels except for lots of desirable grades. Stocks of rags are large and the export trade is quiet. Under these conditions there is but little prospect of an advance in prices. The change in the wool tariff, bringing with it a revision of values of both wool and wool substitutes, has been another depressing factor. Dealers do not expect any material change in conditions in any event until after the first of the year when the mills will have a better chance to judge of their requirements in the way of raw material. Wool wastes are dull, dealers finding it impossible to move any considerable quantity of stock. Believing that lower prices would not result in increased business, the holders of stock have maintained quotations which are purely nominal. Cotton waste has been lower with little business in evidence.

We quote as follows:

SHODDIES AND EXTRACTS

White yarn, best all wool	46-49
White knit, all wool, best fine	30-40
White, knit, No. 2	23-30
Light yarn, extra fine	35-36
New pure indigo blue	24-27

Merino

Fine light, all wool	21-23
Medium light, all wool	19½
Fine black, all wool	17½-19½
Fine dark, all wool, best grade	18-20
Medium dark, all wool, No. 2	14-16
Red knit stock, strictly all wool	21-25
Red flannel, all wool	19-22
Dark blue for hosiery, strictly all wool, No. 1	20-23
Dark blue for hosiery, not all wool, No. 2	13-15

NEW WOOLEN RAGS

Fine merchant tailors	6½-8½
Choice light colors	7-8½
Browns	12½

Dyeing of Textile Fabrics

By HUMMELL

IS a mine of practical information on cotton, wool and silk dyeing and preparation of material for dyeing.

155 pages. 97 illustrations.

Price \$1.75. Express prepaid.

Lord & Nagle Co., Publishers, Boston

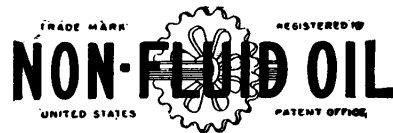
Rhode Island, Woonsocket. The Paragon Worsted Company of Providence is starting up the plant on South Main St., Woonsocket, which it operated up to about two years ago, previous to purchasing the Earncliffe plant in Providence and moving the business there. The local mill property is leased from Sayles & Prendergast and is located at the Globe Bridge on South Main St. The equipment consists of 26 looms which are to be operated as an annex of the main plant at Providence. Joseph Tellier is in charge.

Unproductive Dollars

Spent for gallons of oil which spatter from shafting, goes astray from oil cans, flings off all textile machinery

May Be Saved

endless staining of goods may be obviated, clean workrooms will result by applying



to places now lubricated with fluid oil. Non-Fluid Oil offers many other vital improvements over oil lubrication. They do all that the best fluid oils do except drip and spatter. Ask to be shown at our expense.

Address DEPT. H

New York & New Jersey Lubricant Co.

165 Broadway, New York

What are Your Silk-Yarn Needs?

The continued use, by the largest and most successful manufacturers of silk and silk-mixture goods, over a long term of years, is our best advertisement of the superiority of

CHENEY SILK YARNS

This patronage has been won through our ability to maintain the high standard set for them. Manufacturers know that our yarns can be depended upon for quality, and experience has taught them that they are best suited for their particular needs.

If you are a user of silk yarns, in any form, we should be glad of the opportunity to submit samples and make quotations on your requirements. We have the experience to enable us to give you any quality desired for any need, and we have the plant (the largest in the United States) to supply it in any quantity.

Silk Yarns for insulation purposes.

Cheney Silks are of superior quality, and include practically every kind of goods made of silk—whether for dresses, millinery, decoration or upholstery, the haberdasher or manufacturer, man or woman.

CHENEY BROTHERS

Silk Manufacturers

4th Ave. and 18th St., New York

National Silk Dyeing Co.

Main Office, PATERSON, NEW JERSEY, 140 Market Street

NEW YORK SALESROOM, 60 UNIVERSITY PLACE

Skein Silk Dyeing of every description for every class of textile manufacture.

Hosiery Dye—Boil-off, weighting and dyeing, treated especially to meet the requirements of the hosiery and knitting trade.

Piece Dyeing and Finishing—All silk and silk mixed goods.

Printing—Surface and warp printing.

WORKS:

Paterson, N. J. Dundee Lake, N. J. Allentown, Pa. Williamsport, Pa.

THE SILK MARKET

At this writing the silk market is quiet and prices are weak with a strong undertone. Yokohama is reported to have only twelve thousand bales of silk on hand, and it is quite probable that a firmer market will soon be in evidence.

Manufacturers are not buying much of the raw product. This is partly owing to the threatened strike of the broad silk and ribbon weavers at Paterson for a nine-hour day. It is not thought that the manufacturers will accede to these demands, so that the situation is anything but bright.

Up to this time the silk manufacturers have all been busy and running nearly full and business in the silk industry looked very rosy. Now, with a long strike threatened, they are not as optimistic as they were.

The consumption of the raw product has been very large both in this country and in Europe. This is another factor which may cause an advance in prices in a short time.

The Milan market is not so strong as some time ago. This is probably caused by the lower prices quoted in the other silk centers of Europe. While the Lyons market remains firm, no one can predict when another advance will take place, as the manufacturers are busy on spring novelties.

In this country there seems to be an unusual demand for the finished product. In the dry goods

section, all report a good business in silks and silk mixed goods. If the manufacturers are able to turn out their product there is no doubt good spring business will develop.

The call for satins, plaids, crepe meteors and pattern meteors is very good. The latter is a new soft finished silk poplin with a distinct pattern. So far, this is reported as selling well and destined to become very popular. Velvets remain a favorite, while foulards will be much used again the coming spring. Broad ribbons are having a big demand, especially in taffeta, and a great many are being made for the hat manufacturers. This is also true of velvet ribbons.

If the labor troubles are settled there seems to be no good reason why the silk industry should not have a very busy season.

Below are prices current:

European

Grand Extra Classical Piedmont 12/14	4.95-4.97½
Extra Classical Italian 12/14 12/16	4.65-4.67½
Classical Italian 13/15 24/26	4.50-4.52½
Best No. 1 Italian 13/15 24/26	4.55-4.57½

60 days' basis.

Japan

Filature Kansai Extra Extra 13/15	4.10-4.15
Filature Kansai Extra 13/15	3.90-3.95
Filature Shinshu Extra 13/15	3.95-3.97½
Filature Kansai Best No. 1 13/15	3.80-3.82½
Filature Kansai No. 1 13/15	3.75-3.77½
Filature Shinshu No. 13/15	3.65-3.70
Rereels No. 1 13/16	3.80-3.85

VILLA, STEARNS COMPANY

Telephone, 6174 Gramercy
American Woolen Building

221 Fourth Avenue, New York

RAW AND THROWN SILK
Silk on Spools, Cones, Quills, Beams

DYED SILK FOR ALL PURPOSES

Philadelphia Office:
538-40 N. Third St.

Providence Office:
Howard Building

THE EMMERICH-DOLSON CO.

MANUFACTURERS OF THROWN SILKS

DYED SILKS FOR ALL TRADES A SPECIALTY DELIVERED IN SKEINS, ON CONES, SPOOLS, TUBES AND WARPS
DEALERS IN SPUN SILKS, WORSTEDS, ARTIFICIAL SILKS

PATERSON OFFICE, 49 HAMILTON ST.
PHONE 2159 PATERSON

215-219 FOURTH AVENUE, NEW YORK

PHONE
2212 STUYVESANT

Spun Silk Yarns

For All Purposes

Champlain Silk Mills

500 Driggs Avenue

Brooklyn, N. Y.

OFFICES:

New York, 38 East 25th St.
Prov., R. I., Industrial Trust Bldg.

MILLS:

Brooklyn, N. Y.
Whitehall, N. Y.

SAUQUOIT SILK MFG. CO.

INSULATING AND BRAIDING SILKS

ORGANZINE, TRAM AND HOSIERY SILKS

Fast Dye Organzines for Woolen Manufacturers a Specialty

Mills: Bethlehem, Pa., Philadelphia, Pa., Scranton, Pa. New York Representative, Wm. Ryle & Co., 225 Fourth Ave.
Philadelphia Office, 4015 Clarissa St., Nicetown

Chicago Office, 206 So. Market St.

Boston Office, 78 Chauncey St.

KROUT & FITE MANUFACTURING CO.,

MANUFACTURERS OF

Silk, Cotton and Mercerized Narrow Fabrics

SPOOL TAPES A SPECIALTY

TELEPHONE CONNECTION

OFFICE AND MILL, ALLEGHENY AVE. AND EMERALD ST., PHILADELPHIA

SILK CITY WARPING CO.

No. 167 Ward Street, Paterson, N. J.

ADDRESS ALL CORRESPONDENCE TO NEW YORK OFFICE,
CARE E. GERLI & CO., 119 E. 27th STREET

All Frames Equipped with Latest Improvements, Particularly
W. & R. Oscillating Reed Motion,

The Latter Assuring Complete Relief to Strain on Silk
GOODS FULLY INSURED BY FIRE. PROMPT SERVICE GUARANTEED.

Raw Silk Warping a Specialty.

Rereels No. 1 1/2 13/16 3.75-3.80
 Rereels No. 1 1/2-2 3.75-3.77½
 6 months' basis.

China

Canton XXA 14/16 3.55-3.57½
 Canton XXB 14/16 3.45-3.47½
 Tstalee Blue Dragon and Flying Horse 3.35-3.40
 Tstalee Kun Kee Mars No. 1 3.00-3.05
 Tussah Filature Eight Cocoon No. 1-2 1.57½-1.62½
 6 months' basis.

SPUN SILK

As will be noted by our quotations, the spun silk market has advanced twenty cents (20c.) a pound since our last quotation on all numbers. Nevertheless, there seems to be no let up of orders in this industry and the spun silk manufacturers report a good business for the future. The prices follow:

60/2 3.70
 50/2 3.60
 40/2 3.50
 30/2 3.35
 20/2 3.25
 10/2 3.15

ARTIFICIAL SILK

There seems to be but little difference as to the demand for artificial silk and manufacturers of this

product report business very good in this line. No great changes as to prices can be noted and it is quite likely that the market will remain firm for some time to come. Below are prices current:

150 Deniers First Quality European 1.95
 150 Deniers Second Quality European 1.85
 150 Deniers English A.—Bleached 1.95
 150 Deniers English B.—Bleached 1.83
 150 Deniers English C.—Bleached 1.70
 150 Deniers Elberfeld Raw 1.73
 150 Deniers Chardonette Natural 1.85

MILL NEWS

*New York, Gloversville. Some time ago the incorporation of the Normandie Silk Mills was noted with authorized capital stock of \$25,000. This concern has established a small plant at 5 Cayadutta St. and is manufacturing glove silk cloth for gloves, underwear and skirts. The equipment includes 80 spindles, 4 looms, electric motors, etc. George Rowland is president; Thomas Hubbard, treasurer, and L. E. Winnie, superintendent and buyer.

Pennsylvania, Philadelphia. The new ribbon mill to be started up in this city by the Manhattan Silk Co., of New York, which has a plant already in operation on Long Island, will be known as the Penn Ribbon Mills and will contain 60 looms, which are now being installed in the Long Bros. Bldg., at 3rd and Ontario Sts.

SPUN SILK

YARNS FOR ALL PURPOSES

AMERICAN SILK SPINNING CO., PROVIDENCE, R.I.

MINDLIN & ROSENMAN

Importers and Manufacturers of

Our Specialty:
DYED SILK FOR THE KNITTING TRADE
 on cones and tubes

RAW and THROWN SILK, ARTIFICIAL SILK

Mercerized and Cotton Yarns, Yarns and Threads

131 Mercer Street, New York

Factory and Dyehouse, Brooklyn, N. Y.

WILLIAM RYLE & CO.,

FOREIGN AND DOMESTIC

SPUN SILK YARNS and NOILS

Domestic Thrown Silk of every description. Fine Pure Dye Silks for the woolen trade a specialty. Importers of European and Asiatic Raw Silk.

225 Fourth Ave., Corner 18th St., NEW YORK CITY

A. P. Villa & Bros.

Raw, Thrown and Dyed Silks

**Silk on Quills or Beams. Hosiery Silk
on Cones**

Societa per la Filatura dei Cascami di
Seta, Milan (Italy)
Cascami Silk Spinning Company of
America

"Cascami"

Schappe, Spun Silk, Cordonnets for
Sewing in Skeins—on Cops—Spools
—Cones—Beams.
In Gray or Dyed.

Special attention to regularity of sizes.

A. P. Villa & Bros.

Sole Agents for the United States and Canada

Emmett Building, 95 Madison Avenue, New York

Tel. 10080 Madison Square Mills: Passaic, N. J.

United States Conditioning & Testing Company

**Cotton, Wool and Silk Conditioning
Fabric Testing and Chemical Analyses**

Offices and Laboratories, 340-44 Hudson St., (cor. Charlton St.)

NEW YORK

D. E. Douty, Mgr. F. G. Boye, Supt. K. B. Lamb, Chem. Eng.

SILK MILL SUPPLIES

OF EVERY KIND AND DESCRIPTION

Also Power Transmission Supplies for General Mill Use

I. A. HALL & CO. Allentown Reed, Harness
and Mill Supply Co.
Paterson, N. J. Allentown, Pa.



A Shuttle

Don't move in the same old rut all your life without ever advancing to better work or better salary. You can secure in your own home, in your spare time, and without leaving your present work, the most powerful force for promotion in the world. Thousands have obtained increased earnings through the I. C. S. Write us a postal today, stating the position you would like to obtain. Advice of experts and booklet free.

International Correspondence Schools
Box 882, Scranton, Pa.

SILK MILL NEWS

New Jersey, Sussex. Frost & Van Riper, Inc., silk throwsters, whose main plant is at Paterson, have started a branch in Sussex.

New Jersey, Paterson. Graeffelstein & Rosenthal is the name of the new concern which is equipping a broad silk weaving plant in the Pope Mill. They have purchased 41 broad silk looms from the Jefferson Silk Mills at West New York and will increase this number by the addition of 18 more looms at an early date.

New York, Brooklyn. The Venus Silk Glove Mfg. Co., whose main plant is at Bangor, Pa., have leased the entire building at Franklin, Hayward and Wallabout Sts., and are installing looms for making silk glove fabrics. Three machines are already in place and five more will be installed shortly.

New Jersey, Midland Park. A broad silk weaving plant is being established here by George and James Schofield of Paterson.

New Jersey, Paterson. A new broad silk manufacturing concern is starting up at 60 Ryle Ave. with 50 looms, under the name of Shawin & Barbour.

New Jersey, Paterson. Part of the first floor of the Ryewaner Mill has been taken by a new ribbon concern in which Mr. Seifert, formerly of 130 Broadway, is interested. Mr. Seifert has also been interested in a tubular tie plant at Washington and Fair Sts., which he recently sold to William Romaine, who is now running the plant.

*Pennsylvania, Quakertown. Several weeks ago the organization of the Converters' Silk Mills, Inc. was noted and it was reported that quarters had been rented in Quakertown. This concern is located on Front St. and has begun operations, throwing and quilling silk. When fully equipped the plant will have 4,000 spindles. The capital stock is \$15,000. I. Neuburger is president; H. M. Lasker, treasurer, and L. Mueller, superintendent. The buying is done at the New York office, 45 Leonard St.

*Pennsylvania, Sellingsgrove. William F. Groce will install 600 spindles in the building which he recently purchased and will make a specialty of throwing 2, 3, 4, 5 and 6-thread tram silk. Steam power will be used. Mr. Groce has been superintendent of the Littleton Silk Co. at Littleton, Pa. He expects to begin operations in the new plant on December 12.

*Pennsylvania, Tamaqua. Arrangements have been made for building the projected silk throwing mill and operations will be started about the middle of January with 5,000 spindles. H. O. Jones, whose plant at Slatington, which he operated under the name of the Slatington Silk Company, was burned some time ago, is president, superintendent and buyer. M. E. Jones is treasurer. A business of commission throwing of tram and crepe will be carried on and electric power will be used. A new corporation will be formed with capital stock of \$10,000 and this will later be increased to \$15,000.

SILK MILL NEWS

Pennsylvania, Watsonstown. Construction work has been started on the mill for the new Watsonstown Throwing Company and the plant will be equipped ready to begin manufacturing by January 25. Seventy-five to one hundred hands will be employed. The product will be taken by F. Q. Hartman, Inc., of Danville. A. D. Baldwin of Watsonstown will be superintendent and buyer. The new company is controlled by L. Jauvaud, J. F. Lavigne and F. Ducondray, 354 Fourth Ave., New York.

*Rhode Island, Phenix. William Stoppard will have the building which he is remodeling for use as a silk mill ready for equipment in two or three weeks. He will begin manufacturing about January 1 and it is understood the product will be silk lace shawls. Electric power will be used. Mr. Stoppard will carry on the business under the style of William Stoppard & Company.

*Virginia, Culpepper. The Culpepper Silk Mills, recently organized with capital stock of \$50,000 to take over the plant of the Rigby Silk Co. of Paterson and move the plant to Culpepper, proposes to increase the equipment to 80 looms for weaving broad silks. James Rigby, Jr., is president and A. L. Goodloe is treasurer.

*Maryland, Hagerstown. The contract has been awarded by Cromer Bros., manufacturers of silk ribbons and silk throwsters, for the 3-story addition which it was recently noted was planned. The enlargement is primarily to increase the dyeing facilities.

*New Jersey, Paterson. An order for 20 additional new looms has been placed by Platt Bros., broad silk manufacturers, located at 93 River St. for several years. This concern needs more floor space and is looking for larger quarters, as noted in a previous report.

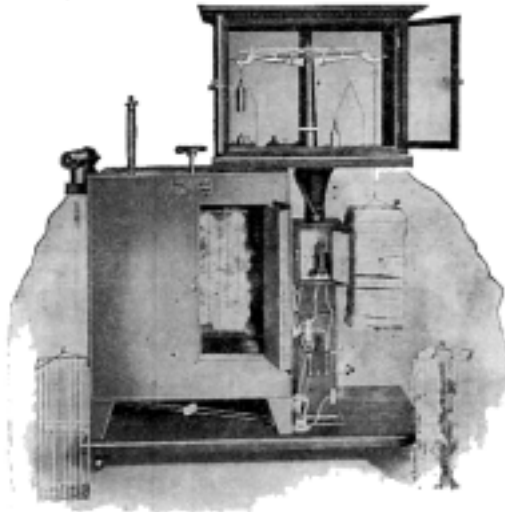
*New Jersey, Paterson. Fifty-six new looms and thirty-six wide looms that are nearly new have been purchased by the Phoenix Silk Mfg. Co. to replace old equipment. Three hundred and fifty looms are operated in the Paterson plant of this concern. The main office is at 334 Fourth Ave., New York.

New Jersey, Paterson. A. Brawer & Co., silk waste dealers, have purchased the Piaget Mill on Godwin St., and will move their plant from 117 River St. to the new quarters at an early date.

*New Jersey, Paterson. E. & Z. Van Raalte, manufacturers of veilings, nettings and chiffons, have awarded the contract to Oswin W. Shelley for the foundation for the new 4-story mill, 61 by 154 feet, to be built as an extension of their manufacturing facilities.

New Jersey, Paterson. H. Miedendorf has moved his plant to the second floor of the Pope Mill. This plant was located in the Piaget Mill, 49 Godwin St., for about nine years. The new quarters are larger than the old space occupied, but no increase in machinery will be made now. It is expected that about 10 looms will be added later on.

Buying or Selling You Need Our Electric Conditioning Oven



It is to your interest and profit to know exactly what you are buying, making or selling. The value, weight, quality, size, strength of your raw materials, yarns and fabrics are seriously changed by moisture.

Our Electric Oven offers you a simple, inexpensive and ever-ready means of determining the moisture and its effect on the products that you handle and manufacture.

Emerson Apparatus Co.
251 Causeway St., Boston, Mass.

The Metallic Drawing Roll Co.

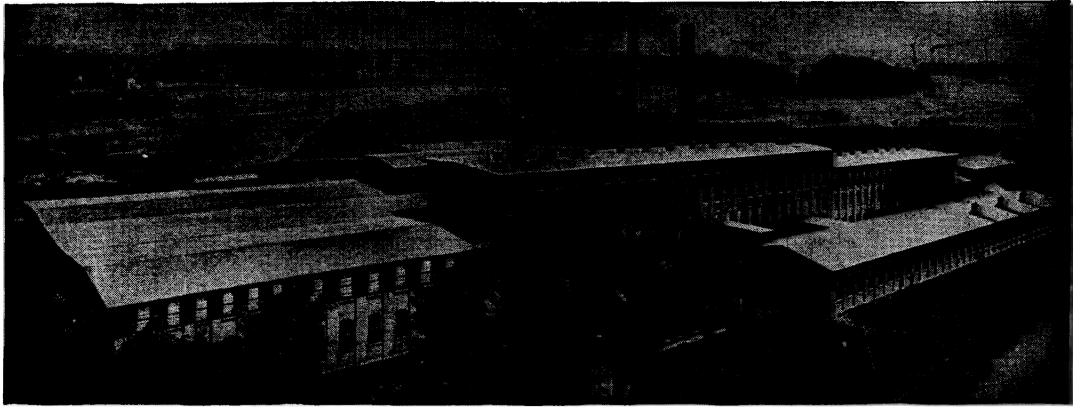
INDIAN ORCHARD, MASS.

MANUFACTURERS OF

Metallic Rolls

Especially adapted for Cotton Mills. 25 to 33 per cent more Production Guaranteed. Weight Reduced 33 to 50 per cent. No Leather Covering Bill.

WRITE FOR PARTICULARS



UTICA WILLOWVALE BLEACHING CO.
Sheetings, Shirtings, Lawns, India Linons.
Everything in White Goods.
 Capacity, 30 Tons Daily

JOHN MacMANUS, Manager

CHADWICKS, N. Y.

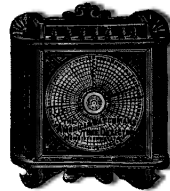
For Perfect and Economical Results in Speck
 Dyeing Worsted Piece Goods, use
CRYSTAL SPECK DYE
 Covers all vegetable and other specks.
 Does not stain white silk threads in goods.
Worden Chemical Works
 4 Cedar Street, New York

SAVOGRAN

Cleans Wool, Floors, Anything
INDIA ALKALI WORKS, - BOSTON



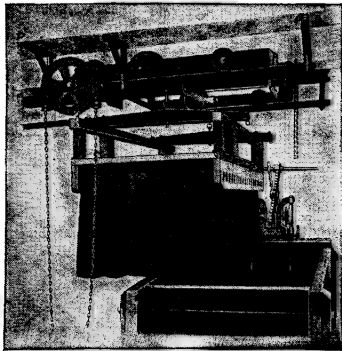
The Chicago Portable Watchman's Clock
 Approved by the National Board of Fire Under-
 writers and accepted by all Insurance Companies
The Perfection of Watchman's Detector Service
 Simple, Efficient, Tamper-proof, Durable
WATCHMAN'S CLOCK AND SUPPLY CO.
 9 CHURCH STREET, NEW YORK



**You Save Enough Insurance
 to Pay for the Equipment**

So it costs you NOTHING to have the AMERI-
 CAN WATCHMAN'S CLOCK. Fully approved
 by all insurance companies. We equip factories
 with Fire Alarms, Signals, etc., also Employee's
 Time Recorders, and Telephone Systems. Electric
 Time System consists of Master Regulator in office
 with secondary electric clocks throughout the mill,
 insuring accurate time. Send for particulars.

Pettes & Randall Co., 150 Nassau St., New York



**IS THE COUNT or SIZE OF YOUR
 YARNS CHANGED or LOFTINESS DESTROYED
 IN THE DYEING?**

These are impossible with the Hussong Machine

We will furnish you hand tub results at **LESS THAN HALF THE
 COST.** We will agree to your terms of trial, and any reasonable
 terms of payment. Raw Wool Yarns treated in Hussong Dyeing
 and Bleaching Machines are unequalled. If they were not our refer-
 ences would not include the most important ones.

Patentees and Manufacturers
HUSSONG DYEING MACHINE CO.
 GROVEVILLE, NEW JERSEY



FIRE, LIGHTNING, WINDSTORM.

**The HOME INSURANCE COMPANY
NEW YORK**

Elbridge G. Snow, President

Organized 1853

MAIN OFFICES, 56 CEDAR ST.

Cash Capital, \$3,000,000

INDEMNITY

For Loss of

**Profits
Commissions
Use and
Occupancy**

on acceptable

Protected Plants

at the

Minimum Rate

ASSETS January 1, 1913.....	\$33,406,434.60
LIABILITIES (Except Capital)	14,254,679.00
SURPLUS AS REGARDS POLICY HOLDERS..	19,151,755.28
Losses Paid Since Organization over.....	139,000,000.00

Is prepared to entertain liberal lines on Sprinkler-Equipped and Modern Improved risks generally, having a special department for the consideration of such business.

OWNERS OR TENANTS may have for the asking proper advices in relation to the FIRE HAZARD and the Value of Automatic Sprinkler and other protection for the manufacturing or distributing plant. Correspondence invited by the

DEPARTMENT OF IMPROVED RISKS

56 CEDAR STREET, N. Y.

DYESTUFFS AND CHEMICALS

Acetic, 100 lbs.	2.16-2.56
Citric, domestic	39
Copperas	65-80
Oxalic	8-9½
Sulphuric, 60°, 100 lbs.	1.00-1.25
Muriatic, 18°	1.15-1.65
Tartaric crystals	30-33½

Miscellaneous Chemicals and Dyestuffs

Acetate of lime, gray, 100 lbs.	2.50-2.60
Alum, lump	1.75-1.90
ground	1.85-2.00
powdered	3.00-3.15
Aqua ammonia, 26°	2-6½
Borax	3-5
Cream tartar, crystals	23½-25
Fuller's earth, powdered, ton	18-20½
Glauber's salt	75-85
Potash, chlorate, crystals	8-9
powdered	9-14½
carbonate	3-6
Soda, bicarbonate	1.15-1.50
Soda, caustic, domestic, 60 per cent.	1.80-1.91
Sal., American	65½-85½
Vitriol, blue	4.76-5.00
Acetate of soda	4-6
Acid, picric, best crystals	70-75
tannic, commercial	36-37
Albumen, egg	42-65
blood	22
Aniline, Oil	10
salt crystals	8½-9½
Alizarine	15-16

Bichromate of potash, American	7-9
Bichromate of soda	4-7
Bisulphite of soda	75-1.25
Cutch, bales	5½-8½
Dextrine, imported potato	4-7½
Divi-divi, ton	33-47

FIRES.

New York, Little Falls. Reports of the recent fire in the plant of the Rex Knitting Company are exaggerated. The fire was confined to the card room and the loss is not over \$300. No time was lost.

New York, New York City. Dorfman Bros., manufacturers of knitted neckwear on 25 knitting machines at 55-57 W. Third St., have suffered a loss by fire which is estimated at about \$7,000. They carry insurance which will fully cover the loss.

North Carolina, Lumberton. The waste house with contents of the Jennings Cotton Mill Company has been destroyed by fire with loss estimated at \$3,000; fully covered by insurance.

North Carolina, Newton. Fire in the picker room of the Clyde Cotton Mills Company caused damage to machinery and stock.

Pennsylvania, Philadelphia. A fire which started during the noon hour in the plant of the Melrose Spinning Mills, located in a portion of the tenement mill at the corner of Howard and Berks Sts., not only damaged the Melrose plant but the plant of Howard-Bunkin Spinning Co. as well.

The WM. H. LORIMER'S SONS CO.,
MERCERIZERS AND DYERS
 Manufacturers of
MERCERIZED YARNS
 FOR ALL PURPOSES
 ONTARIO AND LAWRENCE STS., PHILADELPHIA, PA.

Skeins, Cones, Tubes
and Warps

Western Representative,
E. G. HARPER,
701 Medinah Bldg., Chicago, Ill.

PETER B. McMANUS, Pres. and Treas. EDWARD J. McCAUGHEY, Secy. and Mgr. JOHN McMANUS, Vice-Pres

HOME BLEACH AND DYE WORKS, Inc.

DYERS, BLEACHERS AND MERCERIZERS OF
COTTON YARNS
 IN SKEIN, AND LONG AND SHORT
CHAIN WARPS
 FAST COLORS A SPECIALTY
 Daily Capacity 20 Tons
 FAST COLORS AND BLACK FOR
 WORSTED TRADE
 Office and Works, Pawtucket, R. I.
 ESTABLISHED 1881



GLOBE DYE WORKS CO., Successors to
 R. Greenwood & Bault

DYERS
BLEACHERS AND **MERCERIZERS**
 OF COTTON WARPS AND SKEIN YARNS

Globe Bleach and Dye Works,
 Oxford and Worth Sts., Frankford, Pa. 140 Chestnut St., PHILADELPHIA.

Duxbury's
English Calender Roll Papers
 For Embossing and Other Calenders.
 Chas. A. Johnson & Co.
 Sole Agents for America
 55-57 Franklin Street, - New York

THE PEERLESS COMPANY
 Willard and Jasper Sts., - Philadelphia
DYERS OF SKEIN SILK
 FOR ALL TEXTILE PURPOSES

Fast Colors on Silk for Worsted Manufacturers
 Pure Dye and Weighted. Bright and Souple.
 Dyers of Peerless Black on Artificial Silk.

JOHN F. DAVIDSON
 (ORIANNA BLEACH WORKS)
BLEACHER
 Of Turkish Towels, Cotton Yarns, Underwear,
 Cotton Hosiery and Tapes.
 2558-2564 North 3rd St. 2557-2563 Orianna St., PHILADELPHIA
 Office, 2557 Orianna Street. Correspondence Solicited.

HOPKINSON DYEING AND TEXTILE WORKS
MERCERIZERS
 Dyers and Bleachers of Skein Yarns. Twines and all Narrow
 Fabrics. Printers' Knotting Cords a specialty, on tubes
 or balls (our Fast Black will please you).
 T. HOPKINSON, Prop'r and Mgr. G. W. HOPKINSON, Supt.
 Office and Works, 259 Forest St., FALL RIVER, MASS.

DYERS of all kinds of YARNS

For Manufacturers of: Men's Wear, Dress Goods, Carpets, Rugs, Upholstery, Hammocks, Shoe Goring, Webbing,
 Gas and Electric Tubing, Braids and Novelties. Better work, prompter, better service than you get elsewhere.

T. BROPHY'S SONS, Jasper St., above Clearfield St., Established 1845 **PHILADELPHIA, PA.**

MILL NEWS

*Rhode Island, Nasonville. William P. Nichols has resigned as superintendent of the Stillwater Worsted Company at Harrisville to take charge of the Nasonville Woolen Mill which is to be started up by a new company as suggested in a previous report. Earl Kimball, of Medway, Herman and Richard Waterhouse and Mr. Nichols are the men who head the new concern. The report that an addition is to be built to the mill to change it from a 42-loom woolen mill to a 200-loom worsted weaving mill seems to be correct. Mr. Nichols will come here in December, and will start the work of putting the Nasonville Mill in condition at once.

New Jersey, Paterson. Smith & Baker, located at 5 and 7 Mulberry St., will add six broad looms to their present equipment, making a total equipment of 22 looms.

New Jersey, Paterson. About December 15 the Standard Broad Silk Works will move from the Addy Mill to the Rheinhart Mill and make some increase in the equipment.

New Jersey, Paterson. The Tarr Silk Company, Marks & Rosenblum, proprietors, will move to the Addy Mill, 60 Ryle Ave., about January 1, and will add a few looms then and make a further increase later.

*New York, Binghamton. Additions to the equipment of the Ballard Silk Company, Inc., to be made on the completion of the addition now under construction, include three 60-spindle winders and two 72-inch warpers.

*New York, Whitestone. The new mill being erected here by Jacob Sulzbach, 70 Wooster St., New York, and associates, is nearing completion. The New York Watering Company and the Atlas Silk Company, New York, will move into the building. The Atlas Silk Company will transfer its machinery from New York to Whitestone as soon as the superintendent, Fred Wasserman, recovers from his recent accident on the Long Island R. R. Mr. Wasserman had both legs broken besides many scalp wounds.

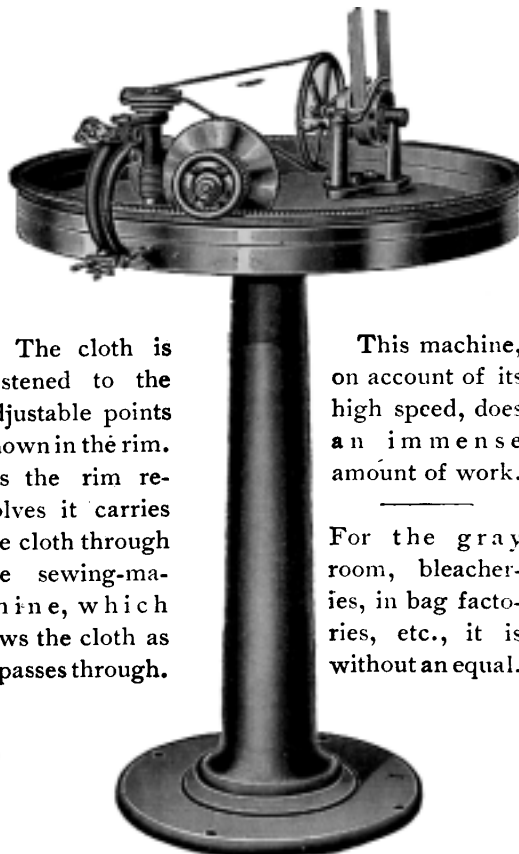
Pennsylvania, Allentown. Kaltenbach & Stephens, manufacturers of narrow ribbons on 450 looms at East Allentown, are erecting a brick machine shop.

*Pennsylvania, Olyphant. The addition to the plant of D. G. Dery will be 125 by 60 ft., 2 stories high. Construction work has been started.

*Pennsylvania, Philadelphia. Frank J. Minett, who has been operating a plant in Wissinoming, a suburb of this city, has removed his equipment to larger quarters in the tenement mill at Mascher and Turner Sts. He winds and warps silk on commission.

New Jersey, Paterson. It is reported in New York that Dwight Ashley, Jr., and his brother Charles Ashley will operate the Hawthorne Silk Mill at Hawthorne, N. J., as the Hawthorne Silk Company. There were no bids for the Hawthorne property at the recent sale of the Ashley & Bailey plant. In the past three weeks much new machinery has been installed and a number of looms from the Paterson plants have been transferred.

2000 STITCHES A MINUTE THAT'S THE CAPACITY OF THIS Power Circular Sewing Machine



The cloth is fastened to the adjustable points shown in the rim. As the rim revolves it carries the cloth through the sewing-machine, which sews the cloth as it passes through.

This machine, on account of its high speed, does an immense amount of work.

For the gray room, bleacheries, in bag factories, etc., it is without an equal.

Send for catalog of our sewing machines.
DINSMORE MANUFACTURING CO.
SALEM, MASS., U. S. A.

Eureka Fire Hose



Cotton Mills, Woolen Mills, Knitting Mills and Factories need positive protection instantly available. Eureka Hose gives protection.

"Eureka" has the lasting quality and the capacity to resist wear and tear.

Fire Hose for every possible duty.

Eureka Fire Hose Mfg. Co.
NEW YORK

Barrett Specification Roofs

No Maintenance Cost

AN investigation into net roofing costs will promptly disclose the superiority of Barrett Specification Roofs. Their first cost is lower than that of any other permanent roof, and, as they require no painting or other care for upwards of twenty years, their maintenance cost is nil.

The Bush Terminal Company, with a total roof area of more than 70 acres (3,100,000 square feet) on their 181 buildings in Brooklyn, illustrated below, studied the subject of roofing costs and adopted this type of roofs. The Vice-President of the Bush Terminal Company writes:

We use this kind of roofing because our experience has shown it to be the best

and cheapest. Our analysis of first cost of application and cost of maintenance entitles us to speak with some measure of authority.

The roofing contractor states that the expense for maintenance of this entire roof area has been less than \$10 and estimates that if metal or ready-made roofings had been used it would have been impossible to keep the buildings free from leaks, and that the painting bill alone up to date would probably have amounted to at least \$50,000.

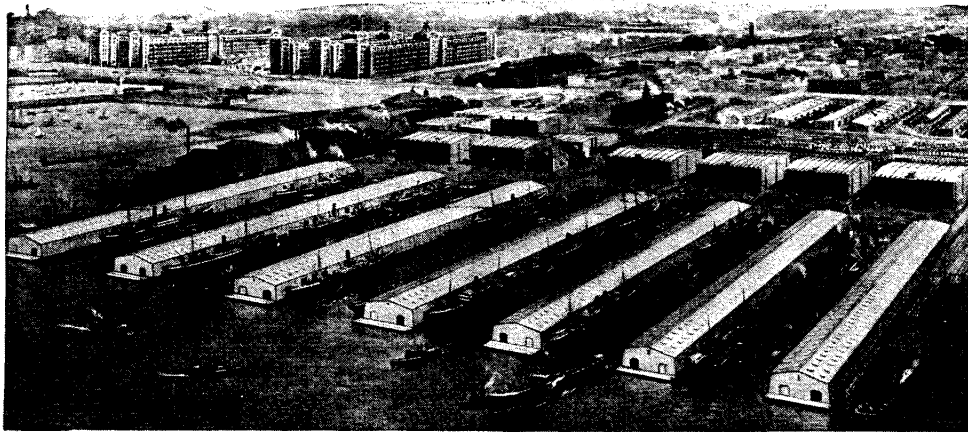
It is on such evidence as this that we base the statement that the maintenance cost of Barrett Specification Roofs is *nothing per year*—and the \$10 exception “proves the rule.”

A copy of The Barrett Specification free on request. Address our nearest office.

BARRETT MANUFACTURING COMPANY

New York Chicago Philadelphia Boston St. Louis Cleveland Pittsburgh
Cincinnati Kansas City Minneapolis Seattle Birmingham

The Paterson Mfg. Co., Ltd.—Montreal Toronto Winnipeg Vancouver St. John, N. B. Halifax, N. S. Sydney, N. S.



MILL STOCKS
FALL RIVER MILLS

	Par Value.	Bid.	Asked.
American Linen Co.	100	...	75
Arkwright Mills	100	...	70
Barnard Mfg. Co.	100	...	...
Bourne Mills	100	...	110
Border City Mfg. Co.	100	98	...
Chace Mills	100	102	...
Charlton Mills	100	80	...
Cornell Mills	100	...	150
Devol Mills	100	85	...
Davis Mills	100	...	87½
Flint Mills	100	95	97
Granite Mills	100	...	...
Hargrave Mills	100	48	...
King Philip Mills	100	110	113½
Laurel Lake Mills	100	...	125
Lincoln Mfg. Co.	100	...	90
Luther Mfg. Co.	100	...	...
Merchants' Mfg. Co.	100	...	90
Mechanics' Mills	100	89	...
Narragansett Mills	100	105	...
Osborn Mills	100	102½	...
Parker Mills	100	...	55
Pocasset Mfg. Co.	100	...	100
R. Borden Mfg. Co.	100	117	120
Sagamore Mfg. Co.	100	170	...
Seaconnet Mills	100	...	63
Shove Mills	100	...	75
Stafford Mills	100	80	82
Stevens Mfg. Co.	100	117	120
Tecumseh Mills	100	...	105
Troy C. & W. Mfg.	500	...	...
Union Cot. Mfg. Co.	100	165	...
Wampanoag Mills	100	...	85
Weetamoe Mills	100	...	87

OTHER NEW ENGLAND MILLS

	Par Value.	Last Sale.
Amoskeag Mfg. Co., com., N. H. ...	100	60
Amoskeag Mfg. Co., pfd., N. H. ...	100	97
Androscoggin Mills, Me.	100	135¼
Arlington Mills, Mass.	100	82
Appleton Co., Mass.	100	172
Atlantic Cotton Mills, Mass.	100	40½
Bates Carpet Co., Me.	100	252½
Bigelow Carpet Co., Me.	100	150½
Boott Mills	100	98½
Boston Duck Co., Mass.	700	1350
Boston Mfg. Co., Mass.	100	105¼
Cabot Mfg. Co., Me.	100	120
Chicopee Mfg. Co., Mass.	100	90
Continental Mills, Me.	100	75
Dwight Mfg. Co., Me.	500	1002½
Edwards Mfg. Co.	100	99
Essex Co., Mass.	100	190
Everett Mills, Mass.	100	110
Fisher Mfg. Co., Mass.	100	125½
Franklin Co., Me.	100	205
Great Falls Mfg. Co., N. H.	100	181¾
Hamilton Woolen Co., Mass.	100	95
Hamilton Mfg. Co., Mass.	100	81¼
Hill Mfg. Co., Me.	100	90¼
Jackson Co., N. H.	1000	985
Lancaster Mills, Mass.	100	85
Lawrence Mfg. Co., Mass.	100	150¼

Lockwood Co., Me.	100	103¾
Lowell Bleachery, Mass.	100	129
Lowell Hosiery, Mass.	100	40
Lyman Mills, Mass.	100	117
Massachusetts Cotton Mills, Ga.	100	93¾
Massachusetts Cot. Mills, Mass.	100	110½
Merrimack Mfg. Co., com., Mass. ...	100	27
Merrimack Mfg. Co., pfd., Mass.	100	85
Middlesex Co., Mass.	100	58½
Monadnock Mills, N. H.	1000	1000
Nashua Mfg. Co., N. H.	500	550
Naumkeag Steam Cot. Co., Mass. ...	100	135
Newmarket Mfg. Co., N. H.	100	95
Otis Mfg. Co., Mass.	1000	1852½
Pacific Mills, Mass.	100	108
Pepperell Mfg. Co., N. H.	100	293
Plymouth Cordage Co., Mass.	100	215
Salmon Falls Mfg. Co., N. H.	300	150
Shaw Stocking Co., Mass.	100	75
Suncook Mills, N. H.	100	20
Thorndyke Mfg. Co., Mass.	1000	1750
Tremont & Suffolk Mills, Mass.	100	99
Waltham Bleachery & Dye Works, Mass.	100	129
York Mfg. Co., Me.	100	85½

NEW BEDFORD MILLS

	Bid.	Asked.
Acushnet Mill	135	...
Beacon Mfg. Co., com.	102½	...
Beacon Mfg. Co., pfd. ....	...	116
Booth Mfg. Co., com.	52½	...
Booth Mfg. Co., pfd. ....	...	60
Bristol Mfg. Co.	65	...
Butler Mfg. Co. ....	...	90
City Mfg. Co. ....	...	90
Dartmouth Mfg. Co., com.	210	...
Dartmouth Mfg. Co., pfd.	99½	...
Gosnold Mfg. Co., pfd.	87	...
Grinnell Mfg. Co.	167½	...
Holmes Mfg. Co., com.	92½	...
Holmes Mfg. Co., pfd.	98	...
Kilburn	110	120
Manomet	111	113
Nashawena Mills .....	...	63
N. B. Cotton Mills Co., com.	100	...
N. B. Cotton Mills Co., pfd. ....	...	100
Neild Mfg. Co.	90½	...
Nonquitt Spinning Co. ....	...	87
Page Mill .....	...	77½
Pierce Mill	300	...
Potomska Mills	112½	...
Quissett Mills	92½	95
Quissett Mills, pfd. ....	...	100
Sharp Mfg. Co., com. ....	...	83
Sharp Mfg. Co., pfd.	100	103½
Soule .....	...	82½
Taber Mill .....	...	100
Wamsutta Mills	120	...
Whitman Mills .....	...	*121

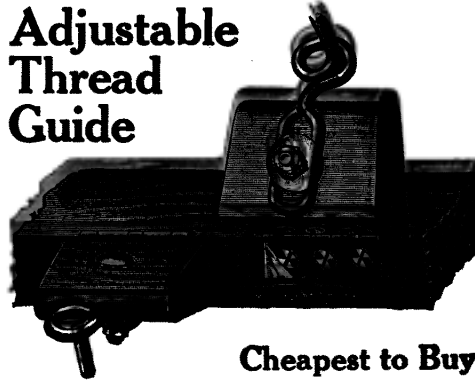
* Ex rights.

SOUTHERN MILLS

	Bid.	Asked.
Abbeville	85	100
American Spinning Co.	155	...
American Spinning Co., pfd.	100	...
Arkwright Mills .....	...	100

THE PALMER

Adjustable Thread Guide



Cheapest to Buy

Cheapest to Install

Easiest to Adjust

Absolute and Rigid Adjustment

Mail Guide Block for Free Sample

Patented and Manufactured by

THE I. E. PALMER CO.

MIDDLETOWN, CONNECTICUT

FOR Positive Spinning

AND

Twisting

OF

COTTON

**And Other
Betterments**

Address the

Brown Spin-Wright Cotton Co.

NOW AT

32 Union Sq., New York, N. Y.

Avondale	120	126
Brogan Cotton Mills (new series) ..	...	81
Brookside .....	...	112
Cannon	150	...
Cabarrus	150	...
Chadwick-Hoskins .....	...	80
Chadwick-Hoskins, pfd. ....	...	101
Chiquola Cotton Mills, pfd.	80	...
Clifton, com.	80	...
Clifton, pfd.	96	100
Clara	100	...
Cliffside	190	...
Clinton .....	...	120
Columbus Manufacturing Co. ....	...	85
Darlington	75	83½
Drayton .....	...	90
Erwin, pfd.	105	...
Easley .....	...	185
Exposition .....	...	210
Florence	125	128
Gaffney Manufacturing Co.	59	...
Gluck .....	...	100
Graniteville, S. C.	140	152
Grendle .....	...	96
Glenwood .....	...	150
Highland Park	186	...
Highland Park, pfd. ....	...	102
Hartsville	175	195
Hartsville, pfd. ....	...	100
Henrietta Mills .....	...	141
Inman, com. ....	...	108
Inman, pfd. ....	...	100
J. P. King Manufacturing Co.	79	...
Kesler	150	165
Lancaster Cotton Mills	130	...
Lancaster Cotton Mills, pfd.	96	...
Lanet .....	...	112
Laurens	127	136
Lockhart, S. C. ....	...	72½
Loray Mills, pfd. ....	...	96
Modena .....	...	100
Mollohon .....	...	101
Monarch, S. C.	115	...
Newberry	125	...
Norris Mills .....	...	121
Ninety-Six	130	140
Orr	86	...
Ozark	100	...
Parker Mills, com.	15	20
Parker Mills, pfd.	44	60
Parker Mills, guar.	85	100
Pacolet Mfg. Co., com. ....	...	103
Pacolet Mfg. Co., pfd.	100	...
Patterson	129	...
Pelzer Manufacturing Co.	125	164
Piedmont Manufacturing Co.	150	167
Pell City, Ala. ....	...	80
Poe. W. F., Manufacturing Co.	100	...
Riverside Manufacturing Co. ....	...	78
Roanoke Mills .....	...	155
Saxon	114	...
Spartan	107	...
Toxaway .....	...	78
Union Buffalo, 1st pfd.	34	51
Union Buffalo, 2d pfd. ....	...	10
Warren Mfg. Co., com.	78	...
Warren Mfg. Co., pfd. ....	...	107
Washington Mills .....	...	20
Washington Mills, pfd. ....	...	100

HYDRON BLUES

Faster Than Indigo

The manufacturer and dyer of cottons will make no mistake in adopting these remarkable colors where **Laundry-proof** fabrics are of the first importance

CASSELLA COLOR COMPANY
NEW YORK

BOSSON & LANE

—MANUFACTURERS—

Castor Oil and Castor Oil Products

ALIZARINE ASSISTANT	BLEACHING OIL
TURKEY RED OIL	CASTOR SOAP OIL
SOLUBLE OILS	SOLUBLE GREASE
OLEINE OIL	OLO SOFFENE
MONOLINE OIL	PARA SOAP OIL
MONOLINE SOAP	VICTOROIL

B & L Bleaching Process for Cotton

Bleachers Bluing

Sizing and Finishing Compounds for all Textiles

Works and Office, ATLANTIC, MASS.

ALKALIES CAUSTIC SODA

*All Strengths
All Tests*

Also Modified forms of Soda for Special Work.

**Sole Agents For
The Solvay Process Co.
Syracuse, N. Y. and Detroit, Mich.**

**Brunner, Mond & Co., Ltd.
Northwich, England.**

Wing & Evans,

Incorporated

22 William St.

NEW YORK, N. Y.

American Water Filters

Are SCIENTIFICALLY designed to meet the exacting conditions of all TEXTILE requirements.

We also install WATER SOFTENERS of any capacity to purify water for every TEXTILE purpose including the prevention of scale in boilers.

**American Water Softener Co.,
1003 Chestnut Street, PHILADELPHIA, PA.
"A LABORER CAN OPERATE THE AMERICAN"**

Chlorazol Brilliant Blues

Brightest Blues on the Market

**Cross Dye Blacks BX & RX. Cross Dye Yellow D.
Cross Dye Browns 2R, 4R, 6R, D.
Fast to Milling, Light and Cross Dyeing.**

Read Holliday & Sons, Limited

11 Gold Street, New York,

**Works :
Huddersfield, England.
Brooklyn, N. Y.**

**Branches :
Boston, 125 Pearl St.
Charlotte, N. C.
Philadelphia, 107 N. 2d St.
Toronto, Ont., 77 Front St. E**

Aniline and Alizarine COLORS

BLACK
BLUE
GREEN
RED
BROWN
YELLOW

And any combination to match any desired shade

**F. E. Atteaux & Co.
BOSTON**

Scientific Management

Four Authorative Books worth hundreds of dollars to those who will study and apply their teachings.

Principles of Industrial Engineering . . . \$2.00

By CHARLES B. GOING. The best treatise on fundamentals—a summary and review of the leading theories, with comparisons and results.

Factory Organization and Administration \$3.00

By HUGO DIEMER. A book of methods, with forms, etc. Full of practical suggestions.

Shop Management \$1.50

By FREDERICK W. TAYLOR. A reprint of Mr. Taylor's A. S. M. E. paper outlining and defining his widely discussed system.

Cost Keeping and Scientific Management \$3.00

By HOLDEN A. EVANS. Designed for small plants where accurate cost-keeping and good management are generally neglected.

Send orders or requests for descriptive folders to

**LORD & NAGLE CO. 144 Congress St.
BOSTON, MASS.**

BLEACHERS!

To Peroxide-bleach you must know how!
Otherwise your cost will be too high and
best possible results not obtained.

It has to be done right, which requires some
care.

That's a great protection for you as not
everybody gives that care.

Our great experience and large facilities
enable us to give you the advice you require--
free of charge.

THE ROESSLER & HASSLACHER CHEMICAL CO.

NEW YORK, N. Y.

Farbwerke-Hoechst Company

FORMERLY

H. A. METZ & CO.

Aniline and Alizarine Colors, Dyestuffs and Chemicals

Sole Licensees and Importers of the Products of
FARBWERKE, vormals MEISTER LUCIUS & BRUENING,
Hoechst-on-Main, Germany.

NEW YORK, N. Y., 122 Hudson Street

BOSTON, MASS., 140 Oliver Street

PHILADELPHIA, PA., 104 Chestnut Street

PROVIDENCE, R. I., 23 South Main Street

CHICAGO, ILL., 317 North Clark Street

CHARLOTTE, N. C., 210 So. Tryon St.

ATLANTA, GA., 1418 Empire Building

SAN FRANCISCO, CAL., 20-22 Natoma St.

MONTREAL, CAN., 45 Alexander Street

TORONTO, CANADA, 28 Wellington Street

100% BLEACH IN E. B. G. CO.'S LIQUID CHLORINE

A Few Advantages: Settling entirely eliminated. Washing considerably reduced. No danger of chlorination of fibre. Positive and easy regulation of strength of your bleach liquor. Better bleaching action. No sludge to be disposed of. Convenience of handling; available at the mere turning of a valve.

Liquid Chlorine is chlorine gas in the liquefied state under pressure and in its purest form and is not to be confounded with fluid carboy bleaches or the like. Interesting information supplied upon request.

ELECTRO BLEACHING GAS COMPANY

Manufacturers of Liquid Chlorine

Madison Ave. Bldg., 25 Madison Ave., New York

A. KLIPSTEIN & CO.

644-54 GREENWICH STREET

NEW YORK

CHICAGO PHILADELPHIA BOSTON
PROVIDENCE CHARLOTTE, N. C.

Canadian Representatives:

A. KLIPSTEIN & Co., Ltd., Montreal

DYESTUFFS AND CHEMICALS

Coal Tar Dyes

Made by the

Society of Chemical Industry

BASLE, SWITZERLAND

Manufacturers of

GIBA AND GIBANON FAST VAT DYES

Fast to Light, Washing and Chlorine

INDIGO PASTE, SYNTHETIC INDIGO

DIAX

Used with great success
by the largest

Bleachers Finishers and Dyers

throughout the country

WRITE US FOR SAMPLE

Malt-Diastase Company

79 Wall St., New York City

LABORATORY

58-64 Garden Street, Brooklyn, New York

DYE STICKS

Made from high and selected grades of lumber to suit all the different machines, such as Klauder-Weldon, Hussong, Lorimer, etc. Plain or burnt finish as desired. Sticks for all sizes of Hand Kettles from natural water grown cedar.

Dry, Sulphur and Bleach House Poles, Wringing Sticks, etc. from selected lumber or natural cedar

Write for prices.

Frank Bailey, Manufacturer Drying Machines, Dry Poles, Wood Rolls, Trucks and Fans. Cedar Brook, N. J. Works at Braddock.

C. Bischoff & Co., Inc. BRANCHES: 229 N. Front St., Philadelphia
124-126 Purchase St., Boston
10 Weybosset St., Providence
451-453 Washington St., NEW YORK

SULPHUR COLORS FOR COTTON
of every shade and description, absolutely fast to sunlight, fulling, acids, etc.

Naphtalizarine and Fast Chrome Colors for Wool
dyeing either after the one bath method absolutely fast, or on chrome bottom

Sole Agents for R. WEDEKIND & CO., M.b.H., Uerdingen, Germany, manufacturers of Alizarine Colors, Chrome Alum, etc.
CARL JAEGER, G.m.b.H., Dusseldorf, Germany, manufacturer of Aniline Colors, etc.

THE BAYER COMPANY, INC.
117 Hudson Street, NEW YORK

MANUFACTURERS AND IMPORTERS OF

**ANILINE AND ALIZARINE COLORS
ALGOL COLORS**

IMPORTERS OF THE PRODUCTS MANUFACTURED BY

**FARBENFABRIKEN VORMALS FRIEDR. BAYER & CO.
LEVERKUSEN, GERMANY**

OFFICES · RENNELAER NEW YORK BOSTON PROVIDENCE PHILADELPHIA CHICAGO SAN FRANCISCO TORONTO, CAN
WORKS AT RENNELAER. N. Y.

INNIS SPEIDEN & CO.
46 CLIFF STREET, NEW YORK

Chemicals, Colors, Dyestuffs and Finishing Materials

GERMAN CARBONATE AND CAUSTIC POTASHES

Branches { **BOSTON** 220 Congress Street **CHICAGO** 120 W. Kinzie Street **PHILADELPHIA** 219 S. Front Street

JACQUES WOLF & CO., Passaic, N. J.
Sizings and Finishing Products for Cotton, Wool and Silk.
All Sulphonated Castor Oils.
DR. SCHMITZ'S MONOPOLE OIL. U. S. Patent No. 861397.
New York Office, 100 William Street
Western Representative: United Indigo & Chemical Co., Ltd., 218 West Kinzie St., Chicago, Ill.

Geisenheimer & Co. { **ANILINE SALT AND OIL
PARANITRANILINE**
181-189 Front Street, NEW YORK
Chemical Works Griesheim-Elektron. Oehler Works
Branch Offices: { 19 Pearl Street, Boston, Mass.
136 Chestnut Street, Phila., Pa.
190 East Pine Street, Atlanta, Ga. } **Beta Naphtol
Aniline Colors Sulfur Colors
CHEMICALS**

Dobbins Soap Mfg. Co.
PHILADELPHIA

Makers of Soaps Especially Adapted for All Kinds of Textile Mfrs. Use. Send for Sample.

AUTOGENE BLACK BEE

Manufactured by

The St. Denis Dyestuff and Chemical Company, Ltd., PARIS, FRANCE

Originators of the Sulphur Color Industry

**AS REGARDS SHADE, DURABILITY AND COST OF DYEING, THE BEST
SULPHUR BLACK EVER PRODUCED**

SAMPLES AND FULL PARTICULARS FROM

Walter F. Sykes & Co., Sole U. S. Agents

Boston—118 Broad Street

New York—85 Water Street

Philadelphia—132 Chestnut Street

Berlin Aniline Works

BRANCHES

Boston, Philadelphia, Chicago

Main Office, 213-215 WATER ST., NEW YORK CITY

Charlotte, Atlanta

Canadian Agents: McArthur, Irwin, Ltd., Montreal, Canada

SPECIALTIESSulphur Blacks, Sulphur Blues, Sulphur
Browns, Sulphur Greens, Sulphur
Yellows, Indocyanines, Nerols
Metachrome Colors
Zambesi Black V and 2G

Manufacturers and Importers of

**Aniline and Alizarine
COLORS**

The increased demand for

DIASTAFOR

proves its popularity with

**DYERS, FINISHERS, BLEACHERS
AND WARP SIZERS**

There are other uses for

DIASTAFOR

Write us about them

The American Diamalt Co.

P. O. BOX 723, CINCINNATI, OHIO

Branches:

600 W. 34th St., NEW YORK 200 Summer St., BOSTON, MASS.

KALLE & CO., Inc.

530-36 Canal St., New York

Sole Importers of the goods manufactured by
KALLE & Co., A. G. BIEBRICH, o/Rhine, Germany**Fast Colors for Cotton and Wool****VAT DYES:****Thio Indigo Colors****For Cotton, Wool and Silk, also Cotton Printing**Branches { Boston, Philadelphia, Providence
Greensboro, N. C., Atlanta, Ga.**ANILINE E. M. THAYER & CO. EXTRACTS
COLORS CHEMICALS**

Importers and Manufacturers

411 Atlantic Ave. and 74 Purchase St., Boston, Mass.

NEXT TIME

TRY HEADQUARTERS

STEIN, HIRSH & CO., 358 Washington St., New York
Starch, Dextrine, Gum, Tapioca, Sago

PHILADELPHIA, 437 Drexel Bldg. PROVIDENCE, 225 Industrial Trust Bldg. BOSTON, 120 Milk St.

RICHARDSON BROTHERS

51 AND 53 FRANKLIN STREET, NEW YORK

PAPER AND TWINE MERCHANTS

FOR FINISHERS OF TEXTILE FABRICS

"ROYAL" PRESS PAPERS

G. Woolford Wood Tank Manufacturing Company

MANUFACTURERS OF

CEDAR AND CYPRESS TANKS AND VATS

For Bleaching, Dyeing and Finishing

Reservoir Tanks of any Capacity or Shape for Sprinkler Systems and all purposes

OFFICE, 1429 CHESTNUT STREET, PHILADELPHIA, PA.



AMOS H. HALL, SON & CO.

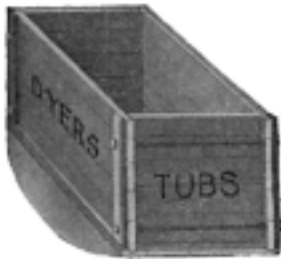
Established 1868

Cedar Vats and Tanks

Tubs and Tanks of all kinds for Dyers, Bleachers, Factories, etc.

2915-2933 North Second St. PHILADELPHIA, PA.

Down Town Office, 140 Chestnut St., Corner Second
Hours from 12 to 1



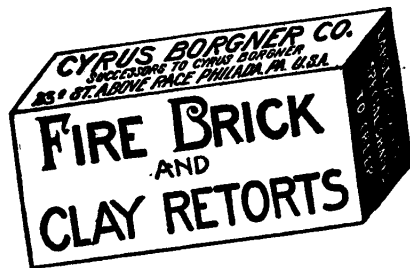
BARTLETT-CRAVER WATER SOFTENER AND FILTER

Specially Designed for Textile Purposes

MANUFACTURED BY

WM. CRAVER TANK WORKS

ROOKERY BUILDING CHICAGO, ILL.



COPPER Printing Rollers Singe Plates and Sheets

Taunton-New Bedford Copper Co.
New Bedford, Mass.

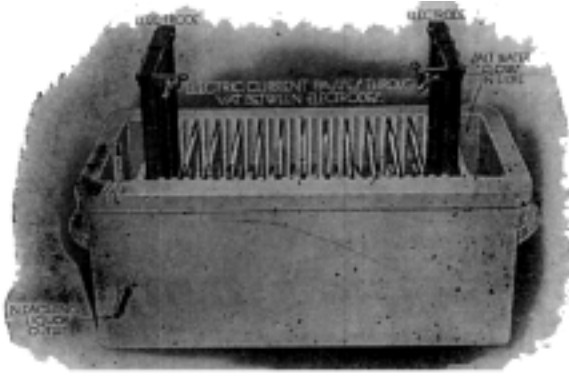
OUR GUARANTEE:
SUPERIOR QUALITY PROMPT SHIPMENTS

WATER

SOFTENING OR FILTRATION

FOR BOILER FEED AND ALL INDUSTRIAL USES
WM B. SCAIFE & SONS CO., PITTSBURGH, PA.

Make Your Bleach out of Salt Water.



The cut represents our passage type Electrolyzer producing in 8 hrs. the equivalent of 50 lbs. of chloride of lime, operating under 110 or 220 DC, and nothing is used but salt-water and electricity. The liquid produced is uniform in strength, and goods bleached are stronger and better in feel and color.

IS NOT AN UNTRIED THING

having many years ago passed the experimental stage. We have sold Electrolyzers to many of the large Knitting Mills, both hosiery and underwear, and so far are not aware of any purchaser not being thoroughly satisfied. There is absolutely no question about its merits.

Write, giving amount of lime used daily, current available, with costs.

We make machines of special construction for any purpose.

The National Laundry Machinery Co. Dayton, O., U. S. A.

Wrisley's Soaps

For All Textile Purposes

All of our Textile Soaps are scientifically compounded of best possible selected ingredients. They are

GUARANTEED ABSOLUTELY PURE AND PRICES RIGHT

and every lot thoroughly tested before leaving our plant. Write for samples and prices, stating kind desired.

ALLEN B. WRISLEY CO.

Textile Dept.
Chicago, Ill., U.S.A.

TANKS



Built Right

Norwood

Norwood

Mechanical Filters

GRAVITY AND PRESSURE TYPES

Cleanse Water—Save Losses—Promote Business Success

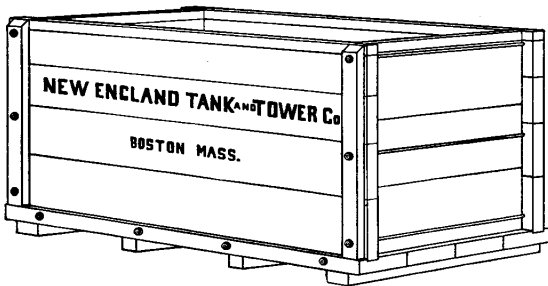
**Norwood Filters are sold with a Guarantee
which can be given because every one is
built to suit location and condition.**

We don't sell you any old filter but investigate first.
Then we build a filter to suit your requirements.

**Write For Our
Experts**

**Norwood Engineering Co.
Florence, Mass.**

**Expert Advice
Free of Cost**



WOOD TANKS and VATS

*Dye Kettles and Tubs
of any size and shape*

MAY WE SEND YOU CATALOG?

NEW ENGLAND TANK AND TOWER CO., 88 Broad Street, BOSTON, MASS.

FILTERS AND WATER SOFTENERS

Hungerford Filters having an aggregate capacity of
over ONE HUNDRED MILLION GALLONS per
day are now in operation in the textile mills of America

**The Filters That Never Require
A Renewal of the Filter Bed**

HUNGERFORD & TERRY, Inc.

Penna. Bldg., Philadelphia, Pa.



FRIEDBERGER-AARON MFG. CO.

LEADING MANUFACTURERS

Braids and Edgings

FOR TRIMMING

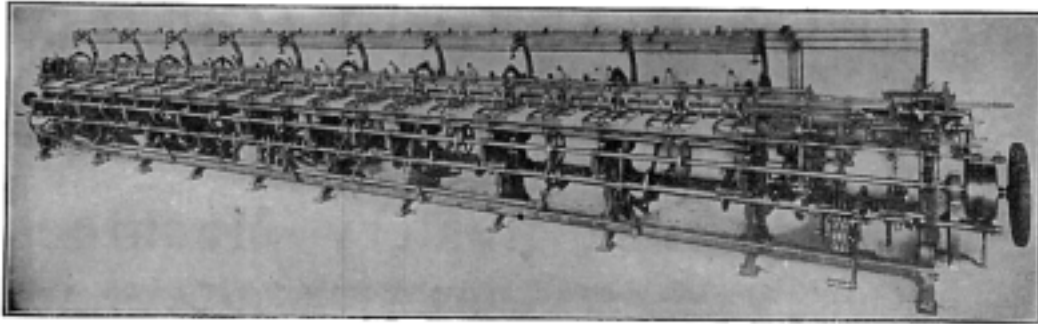
Ladies' Ribbed Underwear

**OUR
MOTTO:**

**Correct Goods
Right Prices
Prompt Deliveries**

Mills: Wayne Junction, Philadelphia

**Post Office Address,
Logan Station, Philadelphia**



Full Fashioned Hosiery Machines

MANUFACTURED BY

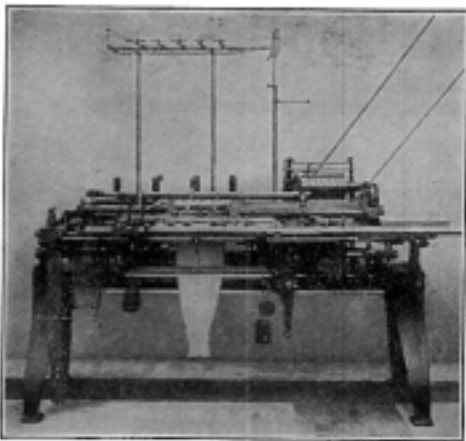
David Richter, Inc., Chemnitz, Saxony

Built in all gauges, any number of sections, and with any attachments desired.
Best constructed, easiest running and most productive machines on the market.
LACE MACHINES, system "Gothrough," **NETTING MACHINES**, system "Double Locker," **LACE CURTAIN MACHINES**.

Dubied Knitting Machines

BUILT BY

Edward Dubied & Co., Couvet, Switzerland



The most perfect knitting machines that skill and experience can produce.

Designed for the highest possible production and the greatest endurance.

Full automatic, semi-automatic and hand machines, for **links and links**, (pearl stitch) flat and tubular **automatic widening, jacquard, shaker, accordion bias neckties**.

Machines can be seen in operation.

Complete stock of supplies carried in New York. All parts interchangeable.

Kuechenmeister winders, Standard overseamers, whipstitch overseamers with automatic trimming attachment.

Write for our illustrated Book "A"

E. O. SPINDLER, Agent

350 Broadway

Rooms 520-24

New York, N. Y.

THE GROSSER KNITTING MACHINE CO.

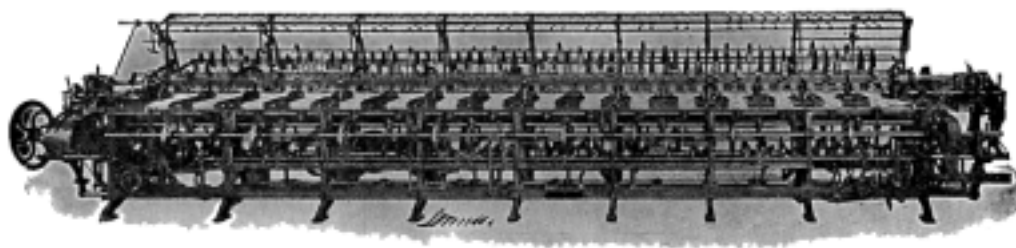
MAX NYDEGGER

Wool Exchange, 260 W. Broadway, New York

ALL SPECIAL MACHINES FOR ANY ARTICLE THAT IS KNIT

Full Fashioned Hosiery Machines

System G. Hilscher, Chemnitz, Saxony



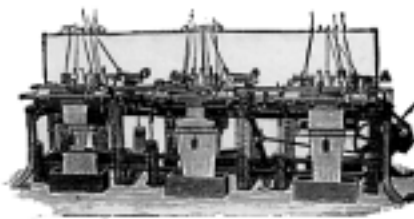
16 Section "COTTON HILSCHER" Machine for Full Fashioned Hosiery, Silk, Cotton, Wool, etc.

Gold Medal, Paris, 1900

Numerous Patents Covering Special Improvements

GROSSER Flat Knitting Machines

For HAND Power or FULLY AUTOMATIC Power MACHINES. Most productive and best machines for Sweaters, Jackets, Blouses, Wool Hosiery, Gloves, Mittens, Sporting Goods in Plain, Fancy and Jacquard Work, Shaker Articles, etc. Large stock on hand. Power Machines to be seen in operation.



CIRCULAR FRENCH FRAMES

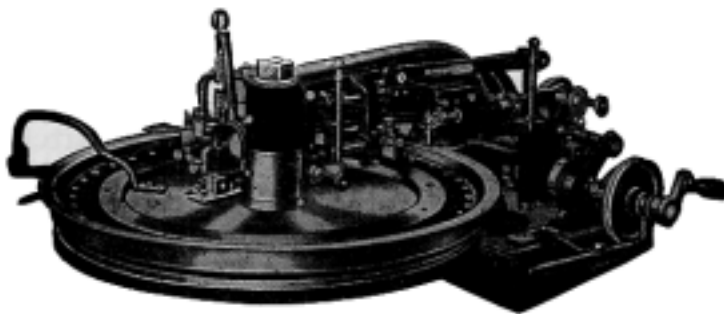
C. Terrot Söhne, Cannstatt, Würt, famous builders of the best Circular Frame for Finest Underwear, Fleece Linings, Gloves, Special à-jour (openwork) Fabrics, etc.

RASHEL MACHINES [Double Rib Warp Knitting Machines.]

For Fancy Goods in largest variety, Shawls, Capes, Caps, Borders, Fringes, Lace Work, etc., in silk, wool, cotton.

THE LOOPER THAT LOOPS!

Two thread lock stitch machine with reliable trimmer and raveller producing *indestructible, flat elastic seam*. No hosiery or underwear plant up to date without this machine.



DIAMOND OVERSEAMERS

for all classes of selvage goods, Full Fashioned Hosiery, Underwear, etc.

FINISHING MACHINES

for Knit Goods of all styles.

WINDERS

for finest yarns.

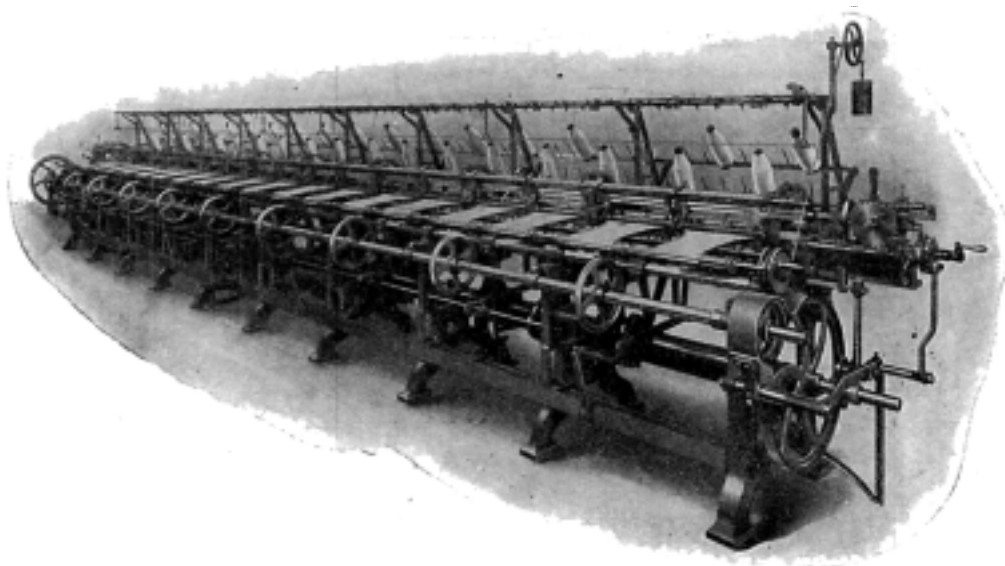
Information, Samples and Specifications at Your Disposition.

Full Fashioned Hosiery Machines

BUILT BY

**Schubert & Salzer Maschinenfabrik and Branch
Works H. Alban Ludwig, Chemnitz, Germany**

Largest Manufacturers of All Classes of Hosiery Machines



Since the acquisition of the Ludwig Plant, Schubert & Salzer have continued the construction of Full Fashioned Hosiery Machines in both systems, the Ludwig with divided narrowing tackle, movable knocking-over bars, etc., and both types with various special features and all the practical attachments known to the trade. Built in all gauges from 14 to 34 needles to the inch, from 12 to 24 sections.

Best Constructed and Most Productive Machines on the Market

REFERENCES:

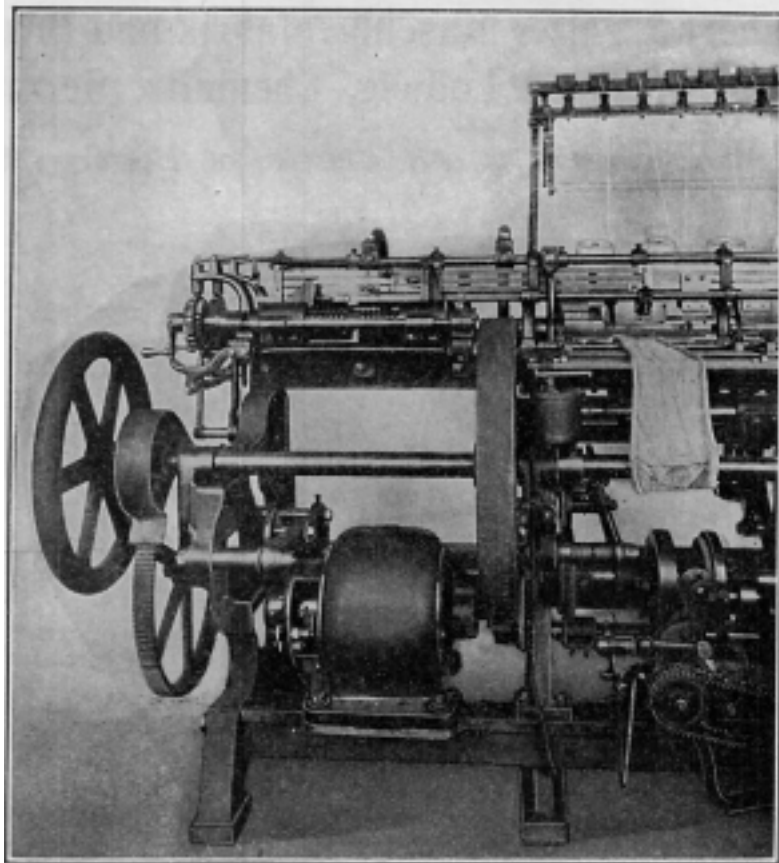
All the leading manufacturers of full-fashioned hosiery in this country.

AMERICAN REPRESENTATIVE:

OTTO WALTHER, 507 Bourse, Philadelphia

American Full Fashioned Hosiery Machines

Are Practically Troubleless Machines



A Hosiery Machine is made up of tens of thousands of parts. Any one of them is liable to break and need replacement any time.

If you use "Reading Made" hosiery machines you avoid trouble. These *American* machines are scientifically proportioned and balanced. Should a break occur you can replace the broken part almost immediately (by wire, phone, or letter) from our stock of duplicate parts.

**All parts are interchangeable
Made for belt or motor drive**

TEXTILE MACHINE WORKS

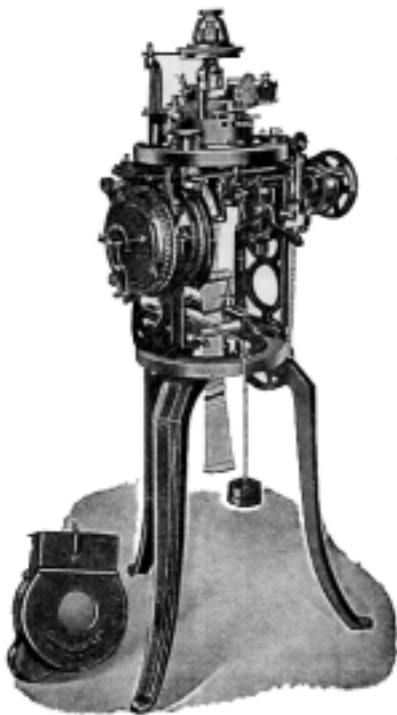
The Makers of

American Full Fashioned Hosiery Machines

READING, PA.

A Still Newer Necktie Machine

For Diagonal Patterns



AMONG our other new features are a body machine with revolving cams, instead of revolving cylinder and dial.

This machine is equipped with the dogless attachment, thus eliminating the many troubles due to the use of dogs with which all other American rib machines have to contend.

In addition there is a new friction drive which facilitates starting the machine from either front or back.

Also an improved yarn guide and latch guard.

Wildman Mfg. Co.

Established 1889

Norristown, Pa.



Trade Mark

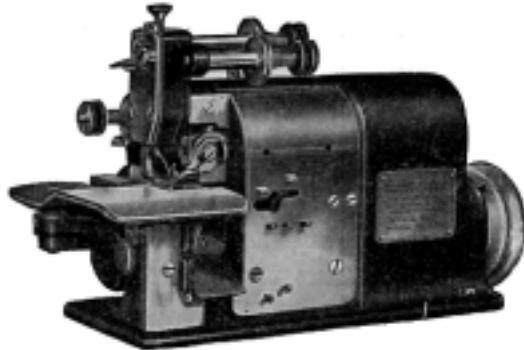
The Merrow

FAST

DURABLE

High Speed Overseaming, Overedging
and Shell Stitch Machines are

Light Running



OUR CLASS 60 MACHINES for Trimming and Overseaming in one Operation produce the strongest, best Seams and do it with the greatest economy.

USE STYLE 18 for Horse Blankets.
STYLE 17 B or 22 for Bed Blankets.
STYLE 35 E SHELL, for Necks and Fronts of Rib Goods, produces the most showy, substantial finish.

Send for Catalogue and Samples.

THE MERROW MACHINE CO. HARTFORD, CONN.

Knickerbocker Building, Sixth and Arch Sts., Phila, 467 Broadway, cor. Grand St., N.Y.
815 Van Buren St., Chicago, Ill. 1019 E. Baltimore St., Baltimore, Md.

Imported Knitting Machines of Quality

SPECIALTIES

Karl Lieberknecht, Oberlungwitz, Saxony

FULL FASHIONED MACHINES. "System Cotton" for plain and ribbed Hosiery, Underwear, Gloves and Neckties.

RIB MACHINES, high speed, for Rib Tops, Neckties, Hosiery in plain, striped and accordion effects.

WARP MACHINES (120 courses per minute) for Tricot Fabrics.

Otto Seifert, Burgstaedt, Saxony

WARP MACHINES, for Elastic Hat Bands, Mourning Bands, Shawls and Scarfs.

JACQUARD WARP MACHINES, for Veilings, Laces, Shawls, Insertions, etc.

Louis Hirsch 173-177 Lafayette St., New York City
Sole Representative in U. S. and Canada

A New "Union Special"

Cup Feed Machine for Seaming Selvage Edge Hosiery
Quiet, Light Running, High Speed

Double Thread Inter-lock Seam

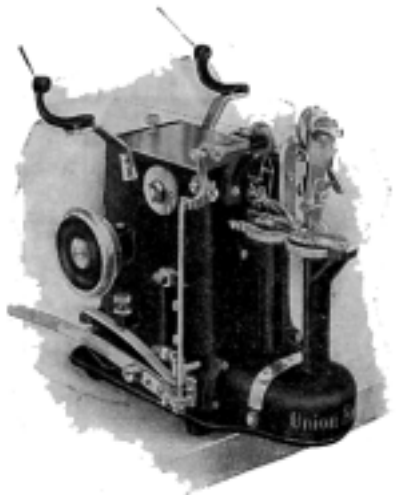
perfectly flat and non-irritating

Ends of Seams Locked

giving looper finish

Finest Gauge Silk Fabric

To heaviest cotton hose seamed with equal facility



Improved Adjustable Uncurling Device

insuring perfect seam

Both Feeding Cups Actuated

insuring positive feed upon both selvages, avoiding puckered seam

Quickly Adjustable Stitch Regulator

without interchanging parts.

Union Special Machine Company

HOME OFFICE AND FACTORY 300 W. Kinzie St., Chicago, Ill. **GENERAL EASTERN OFFICE** 63-65 Bleecker St., N. Y. City **GENERAL CANADIAN OFFICE** 64 Temperance St., Toronto, Ont.

BRANCHES

Boston, 96 South St.
 Amsterdam, N. Y., 13 Railroad St.
 Rochester, N. Y., 163 St. Paul St.
 Cohoes, N. Y., 39 Mohawk St.
 Utica, N. Y., 14 Elizabeth St.

Leicester, England, 54 High St.
 Paris, France, 87 Boulevard de Sebastopol
 Buenos Aires, Arg. Rep., S. A., 135 Calle Maipu
 Osaka, Japan, 37 Imabashi-dori, 3-chome, Higashi-ku
 Melbourne, Australia, 253-7 Wellington St.

Philadelphia, 731 Arch St.
 Cincinnati, 434 Elm St.
 St. Louis, 1127 Pine St.
 Minneapolis, 4 Old Colony Bldg.
 San Francisco, 682 Mission St.

S
P
E
C
I
A
L

TEXTILE and KNITTING MACHINE MAKERS

and those who need steel parts for machines will save money by using our line of high-grade steels.

A large and complete stock is kept on hand—always ready for shipment—everything you need in these lines.

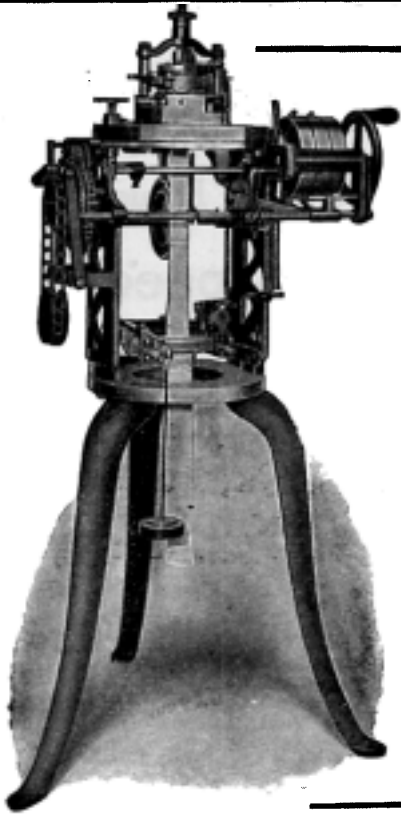
Send for catalogue "D" and prices

FIELD & COMPANY, Inc.

116 North 7th Street

Philadelphia, Pa.

S
T
E
E
L
S



H. BRINTON COMPANY

213-217 Race Street, Philadelphia, Pa.

BUILDERS OF

Circular Knitting Machinery

of every kind for every purpose

HOSIERY RIBBERS

with Splicing, Striping, Two-speed, Selvage Welt and French Welt Attachments.

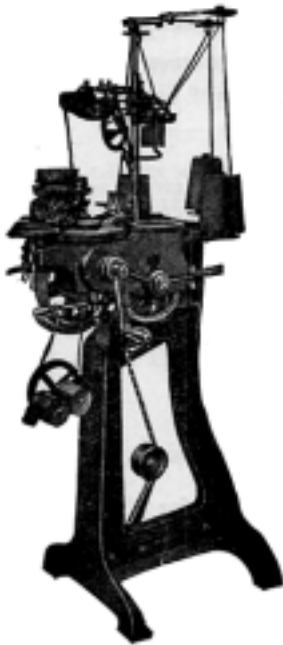
Full Automatic Hosiery Footers

BODY MACHINES, SLEEVERS, etc.

for Underwear, Sweaters, Toques, etc.

NECKTIE MACHINES

for making all kinds of tubular knitted scarfs.
Write for catalog, prices and samples.



THE INVINCIBLE

Full Automatic Knitter

The machine that stands for

QUALITY OF PRODUCT

Jenckes Knitting Machine Co.

SUCCESSOR TO

KNITTING MACHINE DEPARTMENT OF
E. JENCKES MFG. CO.

Pawtucket, R. I.

Philadelphia Show Rooms, 1211-1217 Filbert Street

A New System of Machinery for Producing Seamless Hosiery

Scott & Williams Model B

(Incorporated)

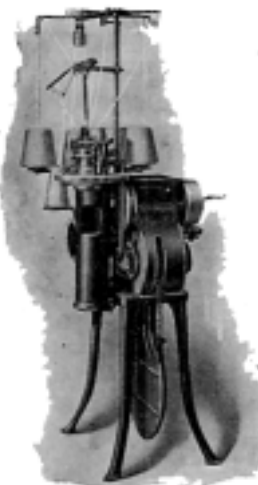
Replacing Former Model B

Five Yarn Changes.

Sectional slackening prior to the heavy yarn changes, thereby preventing cutting and waste.

Fabric also slackened where high splicing yarn is inserted, thus insuring narrow ankle and foot.

For transfer work less moves than any other machine on the market.



Scott & Williams Model F

(Incorporated)

The most comprehensive machine ever offered to the trade.

Makes women's hose with integral welt—no sewing necessary.

Or will make women's hose with selvage top, using any kind of yarn from silk to carded cotton.

Makes half hose without a transfer.

All dropped from the machine—looping alone required.

Anti-run-back course preventing ravelling from garter tears and other causes.

This machine may also be used for making string work, or half hose transferred in the old fashioned way.

Philadelphia

SCOTT & WILLIAMS, Inc., 88 Pearl Street, Boston, Mass.

Utica

The Reece Button-Hole Machine

For Cutting and Stitching Straight Double-Barred Buttonholes



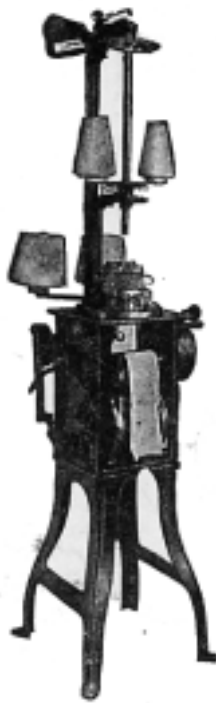
This machine is designed for cutting and stitching straight double-barred buttonholes without eyelets, from $\frac{1}{8}$ of an inch in length up to 1 inch, in knit goods, shirts, shirtbands, collars, cuffs, etc., also on knit goods of all kinds. It is superior to all other machines, as it is the *only single thread* buttonhole machine on the market doing away with the bobbin or under thread, thereby making a great saving in the use of thread, and *it will produce more than double the quantity of work of any other machine*, thus saving the

employment of an extra operator and the space of an extra machine. The quality of the work produced is superior to any other buttonhole, from the fact that the stitch is elastic, which is an important factor in knit goods. This machine is automatic in all its movements, and is an easy machine to handle, and does not require the services of a skilled operator, no cutting or pulling of the thread required, and when the buttonhole comes from the machine, it is finished in every respect and does not require to be trimmed or cut. The length of hole required can be obtained by simply turning a screw.

The machine is made of hardened steel drop forgings, thus reducing the breaking and wearing of parts to a minimum. *Samples of work and terms sent on application.*

THE REECE BUTTON-HOLE MACHINE CO.

Office and Factory - 500 to 514 Harrison Avenue, Boston, Mass.



The "Five-In-One"

A Revolution in Knitting Machine Construction

A brief consideration of the following real features will convince you that this new AUTOMATIC Knitting Machine surpasses others in simplicity, compactness, capacity and production :

1. It has fewer parts than any other machine that will do the same work.
2. It requires less floor space.
3. The frame is all one casting, insuring constant shaft alignment.
4. The vital bearings are fitted with bushings that can be changed at small expense.
5. It has fewer screws than any other Automatic Knitter. Rivetted pins are used in those places where screws usually work loose, thus saving endless trouble.

This gives but 5 of the 25 superior points of the "Five-In-One" A. N. Ames Automatic Knitting Machine. See next month's issue for 5 more points that make for economy. Or better still, write for further details now.

The A. N. Ames Knitting Machine Company
 Factory and Main Office, Main St., Franklin, N. H.

THE MOST COMPLETE LINE OF Sweater Coat Machines

Automatic Racking Machines with
 or without striping attachments.
 Herring Bone Stitch Coat Machines.
 Plain Sweater Coat Machines.
 Pineapple Stitch Sweater Machines.
 Jersey Sweater Machines.
 Plain Binding Machines.
 Rotary Jacquard Binding Machines.

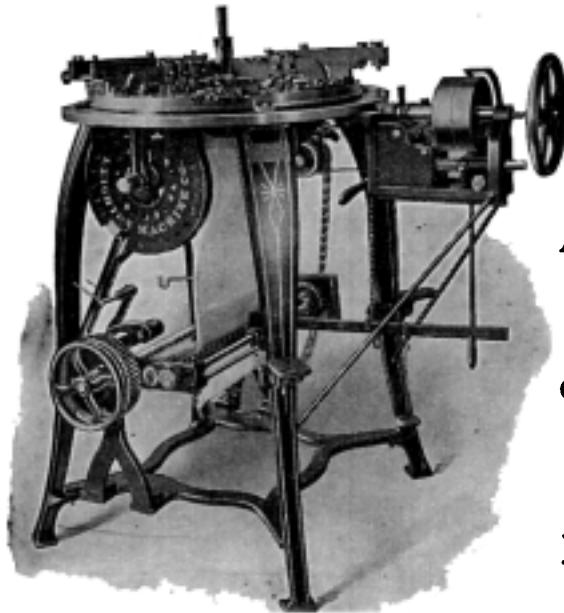
FOR INFORMATION, ADDRESS

STAFFORD & HOLT,

LITTLE FALLS,

NEW YORK, U. S. A.

Leighton Improved Circular Knitting Machines



FOR SWEATER COATS

**Give Good Production and
Excellent Quality**

IN

Automatic Racked Fancy

OR

Plain Stitches

On Wool, Worsted or Cotton Plated

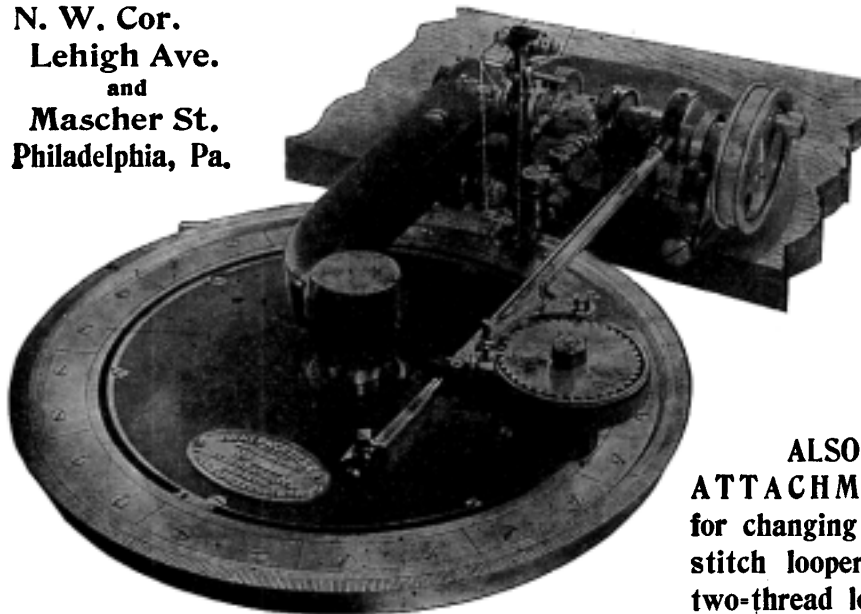
**We also Build Jersey or Ribbed
Underwear Machines, 4 to 16 Feeds**

Leighton Machine Company

Manchester, N. H.

John W. Hepworth & Company

**N. W. Cor.
Lehigh Ave.
and
Mascher St.
Philadelphia, Pa.**



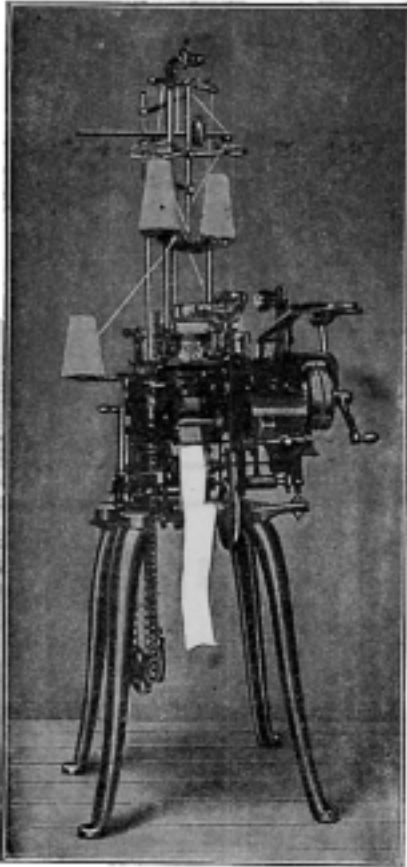
**Makers
of
Two
Thread
Elastic
Lock
Stitch
Loopers**

**ALSO
ATTACHMENTS
for changing our single
stitch loopers into the
two-thread loopers.**

PAXTON & O'NEILL

Full Automatic

Yarn Changers and Platers



Easy
Transfer

Accurate
Measur-
ing
Device

Produce
Finest
Fabric
Made
On Any
Latch
Needle
Machine

FOR LADIES or HALF HOSE

Makes Ladies' Hose with Garter Top.
No Ravel;
Silk, Plated, or Mercerized Leg.
High Splice, Double Sole, with Advanced
Toe, Linen or Mercerized
Heel and Toe.

PAXTON & O'NEILL

537-41 North Third Street, Philadelphia

"THE BANNER"

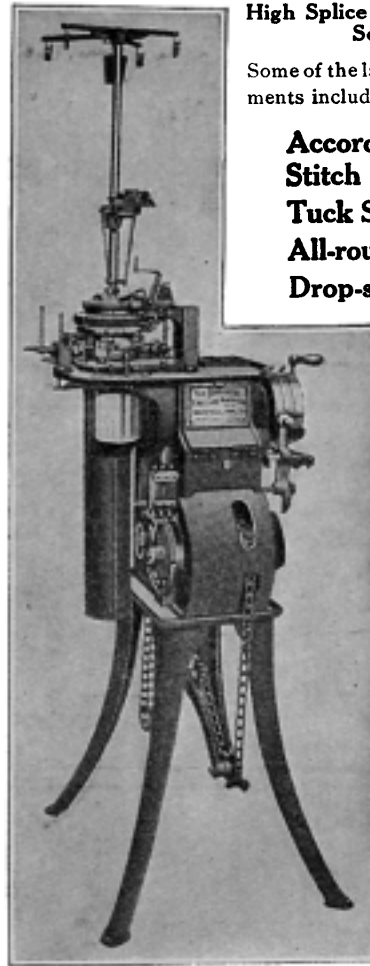
HEMPHILL'S LATEST

FULL AUTOMATIC MACHINE

The First Practical Revolving Cylinder Machine on the
Market

Built for either plain or split foot work, single or double
feed. Adapted to manufacture hose with linen or mer-
cerized heel or toe.

Also for Plaited Goods, Silk and String Work



High Splice and Double
Sole

Some of the latest improve-
ments include:

**Accordion
Stitch
Tuck Stitch
All-round
Drop-stitch**

These
Improvements
are fully
AUTOMATIC

—
Largest
Production
More Yarn
Changes
Highest
Speed
Simplest
Least
Repairs

*Over 2500
sold and de-
livered the
first half of
the present
year*

PRODUCES A SUPERIOR QUALITY OF WORK

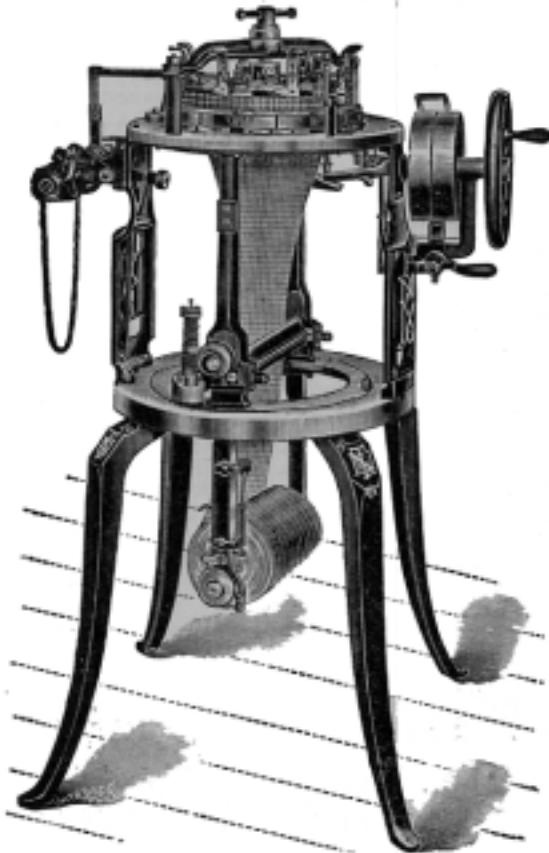
Hemphill Mfg. Co.

131 Clay Street - PAWTUCKET, R. I.

Average Production 100 Machines a Week

NYE & TREDICK CO.

718-720 Cherry Street
PHILADELPHIA, PA.



Circular Rib Knitting MACHINERY

For making Ribbed Underwear, Combination Suits, Sweaters, Cuffs, Shirt Borders, Hosiery, etc. Correct Construction, Excellence and Durability.

LATEST IMPROVEMENTS

Quality of Fabrics and Production
UNEXCELLED

NYE & TREDICK CO.

1913

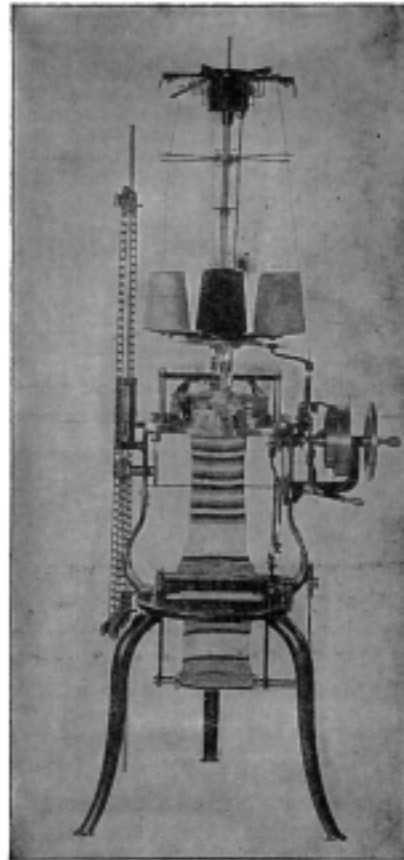
CRANE MFG. CO.

Established
1870

LAKEPORT, N. H.

Incorporated
1890

Spring and Latch Needle Machines
for both Rib and Plain Work
Economically Producing
A GREAT VARIETY OF FABRICS



IMPROVED AUTOMATIC 3-COLORED PLAIN STRIPER

Made in sizes from 7 $\frac{1}{2}$ " to 14 $\frac{1}{2}$ " inclusive, of any desired gauge; these measurements being back to back of cylinder needles.

The fabrics from this machine are used for bathing suits, theatrical and athletic goods.

These machines are second to none in the market.

The Crawford stop-motion is applied when requested.

SOME CRANE FEATURES.

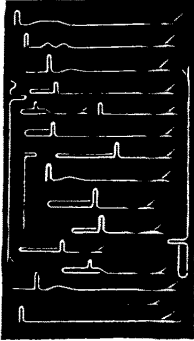
Patent removable hardened Wing Burr Wheels.
Patent Thread Stop Motion can be fitted to 20 in. and 40 in. frames and are specially adapted for making fine Jersey Cloth and Stockinet.

Our flat machine is adapted for knitting collarettes.

CHARLES COOPER

BENNINGTON, VERMONT

MANUFACTURER OF



Knitting Machinery

Flat and Circular Rib, both Spring and Latch Needle, Plain Circular Machines, Lead or Trick Cylinder, Spring Needle Cylinder Rib-Top Machines for making Cuffs, Drawer Bottoms and Shirt Borders. Spring and Latch Knitting

Needles, Burr Wheels, Burr Blades, Sinkers, Jacks, etc.

COLLARETTE ATTACHMENT

American Representative:
G. H. ROGERS

838 Lancaster St., Albany, N. Y.

European Representative:
FELIX LEDERER

1x/4 Schubertgasse, Nr. 22, Vienna, Austria

New Bedford Textile School

This school is located in New Bedford, Mass., a rapidly growing city and already the largest producer of fine cotton goods in this country.

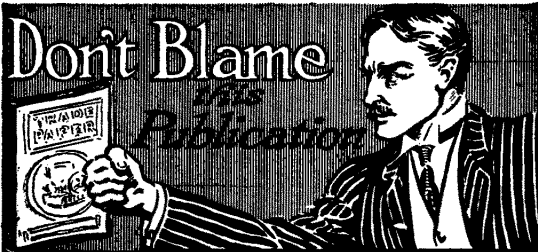
Instruction given in the theory and art of cotton manufacture in all its branches.

The school has one hundred ten machines for instruction purposes in carding, spinning and weaving departments; seventy in knitting department, the most complete department of the kind in equipment and scope of instruction in this country; twenty-seven machines in machine shop; thoroughly equipped departments in chemistry and dyeing, in designing, and mechanics.

Every instructor a man of broad experience and training.

Fourteenth year. Many graduates filling positions of trust and responsibility. Catalogue sent free on application. Address,

William E. Hatch, Pres., New Bedford, Mass.



—if your ad is not producing big results

Perhaps your ad lacks force. Bukey Service is just what you have been looking for. Expert service at low cost. We make original drawings from a dollar upward.

We can give your ads the outward expression of their inward worth--make them say something and--mean it.

Our booklet IMAGERY explains our service. Yours for the asking

DESIGNERS, WRITERS, AD-BUILDERS to his Majesty the American Advertiser

Bukey Service

32 WAVERLY PL. NEW YORK.

Philadelphia Textile School

TWENTY-NINTH SEASON

**Oldest in America
Most Complete in the World**

Endorsed by the Leading
Educators and Manufacturers

Cotton, Wool, Worsted and Silk

Instruction given in Designing, Weaving, Carding,
Spinning, Chemistry, Dyeing and Finishing

**Special Courses in
Textile Chemistry and Dyeing**

For illustrated
Year Book and other information, address

E. W. France, Director

Broad and Pine Streets Philadelphia

JAMES TAYLOR, 216 N. Front St.
Philadelphia, Pa.
**ALL KINDS OF
NEW AND SECOND HAND
KNITTING MACHINERY**
A RARE OPPORTUNITY TO BUY

10 Lamb & Grosser Sweater Machines.
3 Large Crawford Hollow Plate Presses.
1 Allen 40 Spindle Cop Winder.
54 Standard "B" Knitters for sizes.
24 Mayo "Acme" " " "
2 Complete Hosiery Plants.
1 Boomer & Boshert Cold Press.
1 Crane Style Collarette Machine 20", 16 to in.
1 Rotary Fire Pump. 3 Small Pumps.
2 Toque Machines.
4 Hosiery Dryers.
14 Cornely Hosiery Embroidery Machines.
500 Dozen Hosiery Shaping Boards.
1 Caligraph Typewriter.
1 Complete Plant for Mfg. Hosiery
1 ½ h. p. Electric Motor.
1 Singer Nat. Button-hole Machine.
500 Payne Winder Bobbins.
100 ¾ Ant. Knitters, various makes and sizes.
1 Payne 40 Spindle Skein Winder.

1 Abel 36 Spindle Cop Winder.
1 Union Special Overedge, Style 15.400.
4 Climax High Speed Motions for Ribbers.
1 Underwear Mangle.
Lot Electric Stop Motions for flat Machines.
1 Merrow No. 60.
1 Crawford 17 Plate Press.
1 Blickensderfer Typewriter
5 Band Folding and Cutting Machines.
1 Curtis & Marble Napper, 66".
30 Sweater Coat Machines various styles.
8 Jones Fleeceers, 24x36".
1 Underwear Knitting Plant.
2 Singeing Machines.
1 Hosiery Printing Press.
4 Hosiery Lever Presses.
42 Union Spec. Sewing Machines, various styles
50 Loopers and Seamers, all makes.
60 Ribbed Underwear Machines.
100 Hosiery Ribbers and Sleeveers.

WRITE FOR COMPLETE LIST. APPRAISEMENTS A SPECIALTY

We are always in the market to buy good Second-Hand Knitting and Finishing Machinery.

The New Boss Seamless Knitter



Do you want
the biggest pro-
duction with the
least menders, for
the least money?
If so, write to the
Boss Knitting Ma-
chine Works for

their circular with full directions. There is no cylinder to be handled. We use only one cylinder and transfer device for half hose or ladies' hose. This machine beats them all. Has no equal for simplicity and durability. Makes 300 revolutions per minute. Built in sizes from 2¼ to 5½; from 40 to 224 needles. Automatic in heel and toe. It is the strongest built knitter on earth.

Send for prices and particulars.

THE BOSS KNITTING MACHINE WORKS,
Cor. Elm and Reed Sts., Reading, Pa.

Buttons Do Not Come Off if sewed on by the Elastic Stitch Button Sewing Machine

No Bobbins to Wind. Will Sew All Buttons
With Any Thread. No Threads to Trim.
Saves 90% of the Needle Breakage.

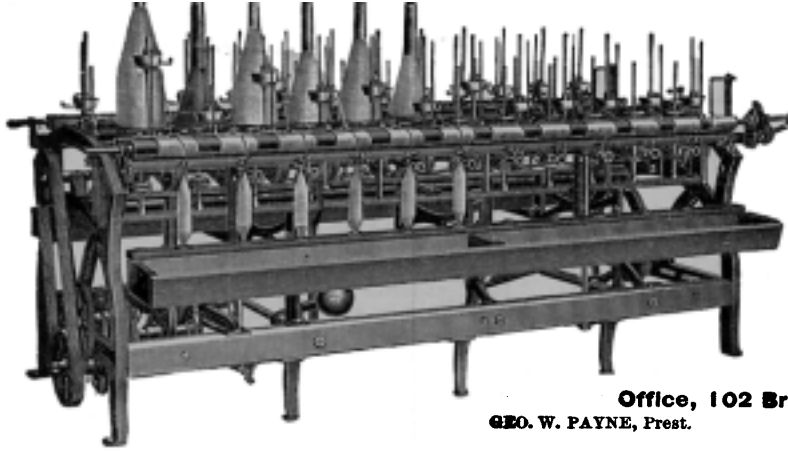
This machine is operated with but one thread, which enables it to run at higher speed than a two-thread machine, greatly reducing operation and maintenance expenses. It will sew on any size or style of two or four-hole buttons, and its patent thread-breaking device does away with the use of knives, and leaves the buttons neatly finished—no loose threads to look unsightly.

Send for "List-of-Users" booklet.

Union Button Sewing Co.
394 Atlantic Ave. Boston, Mass.

OVER 1,900 PAYNE WINDERS IN USE

By Hosiery Manufacturers, Wind for Cop, Skein or Bobbin,



Improved
Upright Spoolers

To Spool from Cop, Skein or Bobbin

Doubling Spoolers for doubling 2, 3, or more ends into one.

Upright Quillers, Quill from Cop, Skein or Bobbin.

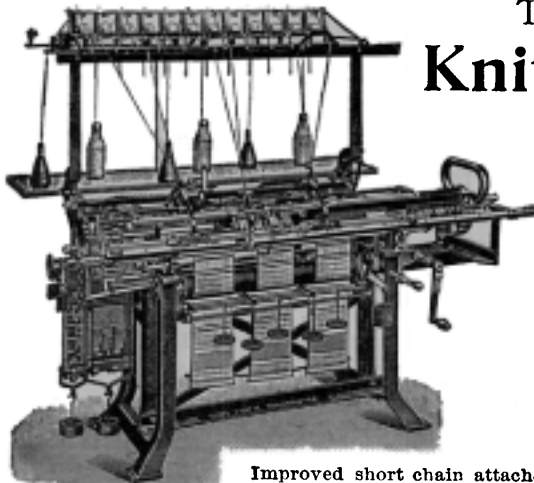
Ring Dresser, Spooler and Reel Spindles, Cop Skewers, Warp, Spool, Spooler, Guides, Bolsters and Stops Made and Repaired at Short Notice.

GEO. W. PAYNE CO.
(Est. 1865. Inc. 1903)

Office, 102 Broad Street, Pawtucket, R. I.

GEO. W. PAYNE, Pres't.

CLINTON F. PAYNE, Sec'y and Treas.



That is the Brand of the **Knitting Machines**



worldwide known to be **The Best**

160,000 Knitting Machines in use all over the Universe

CLAES & FLENTJE

Muhlhausen Thr., Germany

(Largest Knitting Machine Factory in the World)

The cut represents one of our full automatic machines with double chain, short chain attachment, doing away with the long chain and lots of blocks.

Machines for all kinds of plain and fancy knit goods by hand and full automatic by power.

Our knitting machines are far superior to any other in simplicity and construction. They give a higher production than any other on the market.

For full particulars, needles and supplies for all kinds of knitting machines, write to

Ainslie Knitting Machine Co.

281 Ainslie Street

Brooklyn, N. Y.

Improved short chain attachment—double chain—for racked goods.



The "1912" Cloth Cutting Folding and Winding Machine.

This machine will cut down operating expenses. It does in one operation the work which is now being done in two. It cuts the cloth, folds

the edges and rolls them up in one operation, and at all times gets one more strip out of a bolt of cloth than is possible with the old method of cutting. At the same time it measures the bolt of cloth to show the manufacturer whether or not he is getting the number of yards he is paying for. With the high price of cotton to-day every knit goods manufacturer ought to look into this to see if he is getting the maximum efficiency at the least expense. You will find when you come to figure it up in the course of a year that the labor it saves is a big item.

Also have other labor-saving devices, and upon application you can get prices and full information on same.

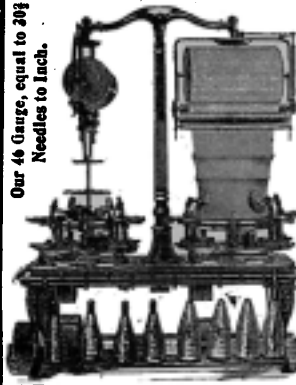
Joseph A. Firsching, 22-28 John Street
Utica, N. Y., U. S. A.

We are the Oldest Manufacturers

WITH

45 YEARS PRACTICAL EXPERIENCE

Our 46 Gauge, equal to 20 1/2 Needles to Inch.



in building Spring Needle Knitting Machines. Have succeeded knitting the finest and the coarsest work ever made on Spring Needle Knitting Machines in this country, any work from 3 to 46 gauge. Our Machine is of the highest class.

Robt. W. Gormly and Company,

Troy, N. Y.



“Acme” Hosiery and Textile Binder, No. 30

A Simple, Inexpensive Machine, for Attaching Tickets on Hosiery, Underwear, etc.

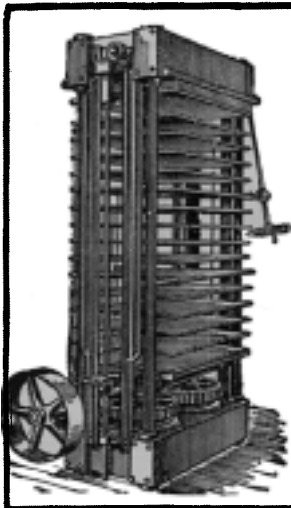
It uses a pointed staple, **CANNOT INJURE THE FINEST SILK HOSE**; can be set aside when not in use.

Is operated by foot power and has a **patented WORK-HOLDING DEVICE** carrying one dozen or more pairs of hose, keeping them in perfect alignment and presenting the tops in position to receive the tickets **AT LEAST TWENTY-FIVE PER CENT QUICKER** than by any other method now in use.

For particulars and the address of the nearest agency

Apply to the Manufacturers

THE ACME STAPLE COMPANY
CAMDEN, N. J.



Reliance Hot Plate Press

For Hosiery and Underwear Trade

For price and particulars address

Reliance Machine Works

Hedge and Plum Sts.
Frankford, Phila., Pa.

STANDARD MACHINES FOR HOSIERY MAKING

The **STANDARD F**, with attachments, can make any and all of these fabrics:

Plain Goods

Plaited Work

Three Color Stripes

Tipped Heel and Toe

White Foot

Changed Heel and Toe

Garter Top

Loopers Slack Course

**Most Stockings — Best Fabrics
Longest Life**

Standard Machine Company

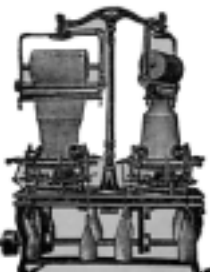
OFFICE AND SHOW ROOMS
**330-348 North 12th Street
Philadelphia, Pa.**

We Are the Oldest Manufacturers
IN THE WESTERN HEMISPHERE

Of Circular Spring Needle Loop-Wheel Knitting Machinery.

TOMPKINS BROS. CO., Troy, N.Y.

We submit the following extract from the sworn testimony of R. W. Gormley, in U. S. Circuit Court, Northern District of New York, in equity, No. 6764:
Cross Question 123. How long have you been a manufacturer of knitting machines? Answer I started in this business about the middle of May, 1900.



Tompkins Knitter

This design was adopted in 1875.
BUSINESS ESTABLISHED in 1846, before **ROBERT W. GORMLEY** Was born, according to his testimony in the case above cited.

THE LAMB LEADER OF KNITTERS
ORIGINAL AND STILL THE BEST

Most widely used; being operated in every civilized country.
 Our Collarette Knitter Knits almost any conceivable style and with selvage ends.
 Circular Rib Top and Seaming Machines.
 Send for Prices and Catalog.



LAMB
 Knitting Machine
COMPANY,

P. O. Box 5888, Chicopee Falls, Mass.
 J. E. Woodhead, 124 East 22d St., Chicago.
 L. D. Sanborn, Room 513, Wool Exchange, New York.

NECKTIE MACHINES

with cylinder and dial in both single and two feed.
 Also

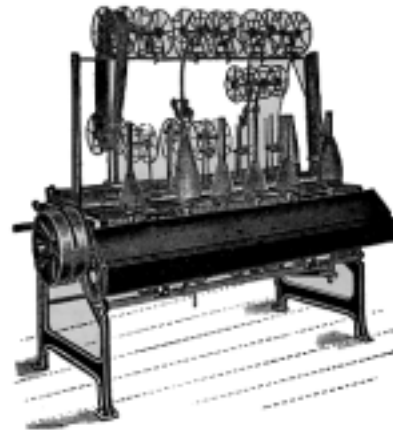
Single Feed Cylinder Necktie Machines

insuring a variety of stitches and patterns.

Prices and Samples on Application to

GENERAL MACHINE WORKS
YORK, PENNA.

A. W. ALLEN
 2427 Mascher St., Phila.
WINDERS



6 SPINDLES UP

The best winder on the market. If you are not using one or more try one.

<p>Drying</p> <p>Forms</p>	<p>BOARDS FOR FAST BLACK DYERS.</p>	<p>Hosiery</p> <p>Boards</p>
	<p>HOSIERY FINISHING BOARDS.</p>	
<p>BEST WORK. PROMPT SERVICE. PRICES ALWAYS RIGHT.</p>		
<p>JOS. T. PEARSON 1815-21 TAYLOR ST. KENSINGTON PHILA.</p>		



“Acme” and “Hemphill”
 SEAMLESS HOSIERY
Knitting Machines
 built by
**Acme Knitting Machine &
 Needle Company**
 Franklin, N. H.

Answer all purposes in the *most reliable, up-to-date, and economical* manner. Write us for full particulars.

**Manufacturers like our
 Latch Needles**
 because we make a superior grade of
 needles.



Philadelphia Office, Bourse Bldg.

Look At The Difference!
 THE BREHMER STAPLE OF FINELY
 POINTED WIRE

The fine points escape the threads and do not break them. The staple ends lie perfectly flat and smooth and do not stick up to catch on other goods. The stitch is readily picked out with the fingers.

THE STITCH OF OTHER MACHINES
 USING THE HEAVY WIRE

The coarse heavy wire and the blunt staples break the threads and leave unsightly holes after they are removed and require a knife to extract the stitch.

Want a Circular?
CHARLES BECK COMPANY
 609 Chestnut Street, Philadelphia




**New Jersey
 Wire Sticher**
 Highest Grade

Machine for rapid and Economical Method of Attaching Labels to Hosiery or other Garments. Uses pointed staples, cannot tear the finest fabric.

Send for Catalogue
J. L. Shoemaker & Co.
 15 S. Sixth Street
 PHILADELPHIA

The CRAWFORD
 HOLLOW STEAM
PLATE PRESS
 For Knit or Woolen Goods



The most reliable machine of the kind on the market.
PRESS PAPERS and FENDERS
SPENCE & RIDEOUT
 Successors to
J. J. CRAWFORD & SON
 Established 1868 NASHUA, N.H.

Telephone, Frankford 360
FIDELITY MACHINE & MFG. CO.
 JOHN J. HIGGINBOTTOM, Prest. and Mgr
 ESPECIALLY EQUIPPED FOR MAKING
**CYLINDERS-DIALS AND KNITTING MACHINE
 SPECIALTIES**
 4015 Paul St. Frankford - - - - Phila., Pa.

SENT FREE Complete Catalog of all Textile Books in English language. Lord & Nagle Co., Boston, Mass.

John Eppler's Machine Works, 629 Filbert St., Phila., Pa.
LATEST IMPROVED UPRIGHT KNITTING LOOMS
 For Millinery, Dress and Upholstery Trimmings and Netting
 Steaming outfits for the finishing of knitted neckwear, etc.

CONTINENTAL LATCH NEEDLE CO.

NEW YORK

THE WORKMANSHIP AND QUALITY OF OUR GERMAN NEEDLES ARE UNSURPASSED. OUR SCREW RIVET DOES NOT GET ROUGH OR LOOSE.

LARGE STOCK OF NEEDLES FOR ALL AMERICAN AND FOREIGN KNITTING MACHINES.

N. Y. OFFICE 120 LIBERTY ST. WORKS, EBINGEN, GERMANY.

"Maniplex" Sewing Machines

For Multiple Stitching

Built for all purposes where a number of rows of stitching are required. With either form of stitch, single thread chain, double thread chain, or lock-stitch, sewing material from 1-16 inch thick, up to 1 inch thick, and up to 120 inch wide. Furnished with any required number of needles, spacing to suit requirements. We also build Paper Slitting Machines and design special machinery.

L. F. FALES
Walpole, Mass., U. S. A.

CASE BROTHERS
INCORPORATED

Highland Park, Conn.

Manufacturers of

RAG PRESS BOARDS

Especially Adapted to

Hot Pressing

Also

Fender Boards

Medals awarded at Paris and Melbourne Expositions.

Jacquard Cards of all Grades for Fancy Weaving. Accurately Cut to Any Size.

GOLD HOSIERY STAMPS
(Decalcomanie)

FOR THOSE WHO REALIZE THAT QUALITY MEANS ECONOMY

Write Dept. "K" for Samples

Palm, Fechteler & Co.
67 5th Ave. New York, N.Y.

L. T. IVES CO.
 Manufacturers of all kinds of
SPRING KNITTING NEEDLES
 NEW BRUNSWICK, N. J.

WM. BREEDON'S SON
 MANUFACTURERS OF
Spring Knitting Needles
 AND BURR BLADES OF ALL KINDS
 AMSTERDAM, N. Y.

KEYSTONE LATCH NEEDLE CO.
 JOHN C. EGLY, Mgr. Manufacturers of
Patent and Regular Latch Needles
 Needles for all makes of Knitters and Ribbers
 Keystone Spring Bottom Needles for all makes of Knitting
 Machines always in stock for immediate delivery.
 Special Needles made to order.
 543 W. Lehigh Avenue, Philadelphia, Pa.

EXCELSIOR NEEDLES.

The best Hosiery Needles in the market.

Manufactured by

WARDWELL NEEDLE CO., Lakeport, N. H.

Excelsior Needle Co.
 Largest Manufacturers of Machine Needles in the World
TORRINGTON, CONN.
Excelsior Sewing Machine Needles



Highest Quality Crucible Wire Perfect Points
 Smooth Eyes—Finest Temper—Hand Straightened

AGENTS

C. B. Baker & Co., Ltd., 140 West 22nd St., New York City
 Manufacturers' Supplies Co., Cherry & Juniper Sts., Phila.
 The Sewing Mch. Supplies Co., 121 Beach St., Boston, Mass.
 Excelsior General Supplies Co., 1436 Michigan Ave. Chicago
 C. Shawl, 682 Mission St., San Francisco, Cal.
 J. C. Strittmatter, Ave. San Francisco, No. 29
 City of Mexico, Mexico

To work by the Sun
 Means twice the work done.

Van Noorden Skylights
 ADMIT DAYLIGHT NOTHING ELSE
 Applicable wherever daylight is desired
 Send for Catalogue
E. Van Noorden & Company
 100 Magazine St., Boston, Mass.

The Willcox & Gibbs "OVERLOCK" Machine
 for the High Standard of SEAMING in one operation,
 also for OVEREDGING, and HEMMING of
KNIT UNDERWEAR and HOSIERY,
 when ECONOMY and EXCELLENCE of finish
 are carefully studied.

For SALE or RENT

Trade-Mark
 Reg. U. S. Pat. Off.

3,000 Perfect Stitches Per Minute
 where factory conditions permit.

WILLCOX & GIBBS SEWING MACHINE CO.
 Chief Office,
 658 BROADWAY, New York, N. Y.
WILLCOX & GIBBS SEWING MACHINE CO., Ltd.
 LONDON NOTTINGHAM PARIS DRESDEN BRUSSELS MILAN

DEAN BROS. ^{STEAM PUMP WORKS} INDIANAPOLIS.

NOT IN THE PUMP TRUST

PUMPS FOR ALL SERVICES



VERTICAL AIR PUMP AND JET CONDENSER



OUTSIDE PACKED PLUNGER PATTERN DUPLEX DURABLE ELECTRIC PUMP



TWIN AIR PUMP AND CONDENSER

Send For Catalogue No. 55

Sewage Pumps Oil Pumps

Your Employees Will Work Faster — Produce More — Spoil Less Under

Cooper Hewitt Light

That's because it enables them to see better—is easier on their eyes
Get the facts—Learn what users say about COOPER HEWITT light

Send for Bulletin No. 737, "Better than Daylight"

Cooper Hewitt Electric Company
8th & Grand Streets Hoboken, N. J.

ANTI-CORROSIVE CYLINDER OIL

ECONOMY GUARANTEED

We will send you a sufficient quantity, be it one or more barrels, for a thorough practical test on one or all of your engines for at least ninety days, and, if you do not find ECONOMY and other benefits through its use, we agree to accept settlement on *your* basis of value as compared with the oil you are now using.

THINK IT OVER—THEN WRITE:

E. H. KELLOGG & CO.

243 SOUTH STREET
NEW YORK CITY

THE SAMSON TURBINE WATER WHEEL

AND WHY IT IS BEST IN

POWER, SPEED AND ECONOMY

The Leffel Wheel, now developed into the Improved Samson Turbine, will continue to maintain, as it has for the past 49 years, its superiority because of features that give it wonderful power and high velocity, economy in the use of water, and an unusual steadiness of motion under variable gateage.

These are points of merit established by scientific and experimental tests.

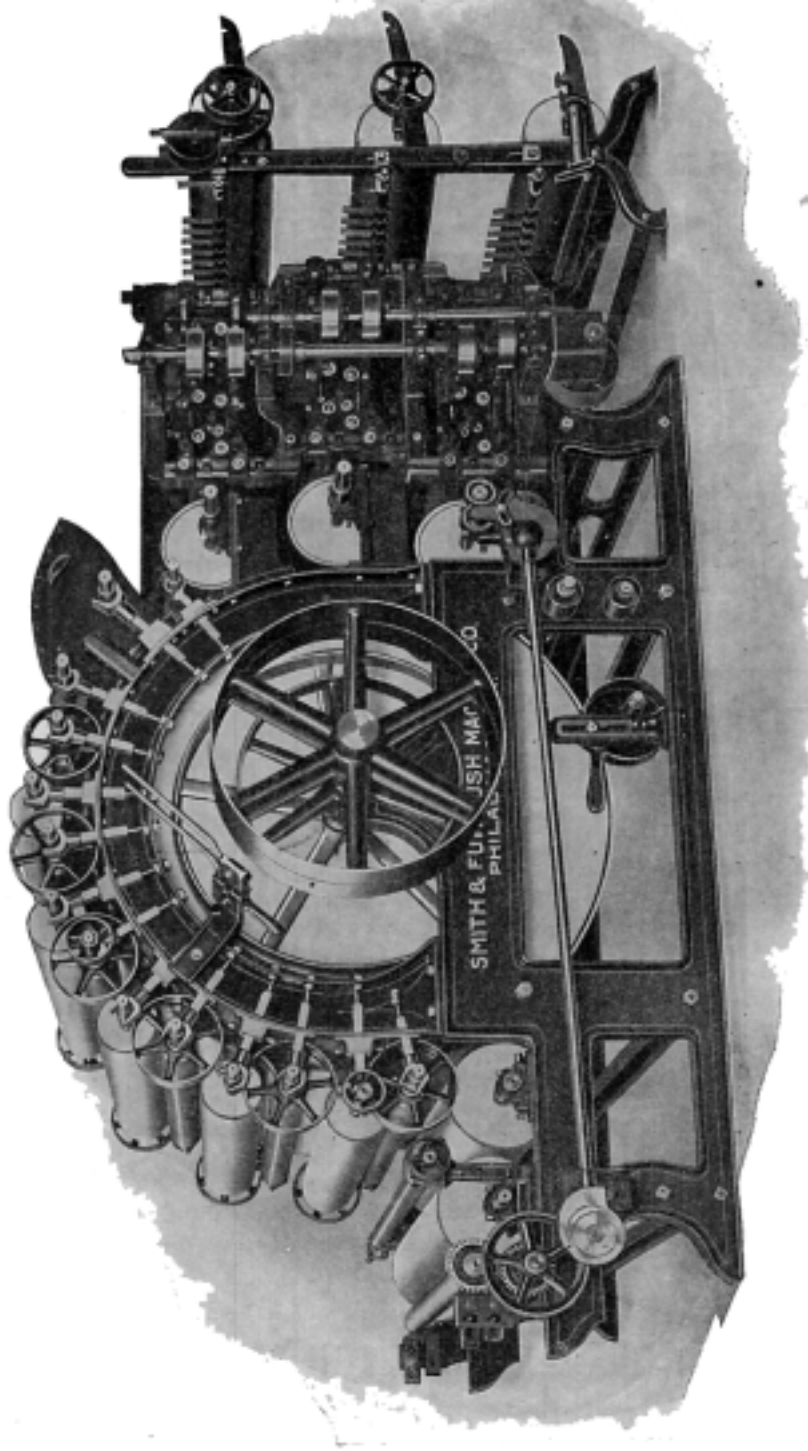
Send for catalog illustrating and describing the different types and proving their merit

The James Leffel & Co.
502 Lagonda St. Springfield, Ohio

SMITH & FURBUSH MACHINE CO. PHILADELPHIA

WOOL CARD

Circular No. 63A



THREE DOFFER FINISHER CARD No. 8

Case Hardened Journals, Ball and Socket Sleeve Bearings, Convenient and Positive Adjustment. We build a complete line of woolen and worsted carding machines to meet the requirement of the manufacturer.

WRITE FOR FURTHER PARTICULARS OF CIRCULAR No. 63A

SMITH & FURBUSH MACHINE CO.,

PHILADELPHIA

Manufacturers of

PICKERS—Lumpers; Rag, Burr, Wool, Cotton, Jute, Fearnought and Garnett Pickers; also Rag, Carpet and Jute Shredders.

WILLOWS—Continuous Cotton Stock Opening, Cleaning, Metal Extracting and Condensing Outfit; also Square Box and Cone Willows or Dusters.

GARNETT MACHINES—For carding cotton and woolen waste clippings, etc.; also for manufacturing cotton, wool and jute batting or felts.

FEEDS—Self-feeds for cotton, wool, worsted or jute; also Camel Backs, Blamires and Apperlys.

METALLIC BREASTS—Burring Machines and Self-Stripping Feed Rolls for Cards and Garnett Machines.

RECLAIMING MACHINE—For Opening and Cleaning various kinds of Cotton Mill Waste.

CARDS—Woolen, Worsted, Cotton Waste, Shoddy, Hair and Jute Cards; also Special Cards for the manufacture of Wool Hats.

MULES—Heavy and Durable for Wool and Waste Yarn.

TWISTERS—Plain or Fancy Twisters for Flake, Loop or Bourette Yarn.

BOBBIN WINDERS—Automatic Jack Bobbin Builder and Adjustable Creel for different length spools.

WARPING MACHINERY—Copper Cylinder Warp Dressers with single and double size pans; Beamers; Section and Pinless Warp Mills, Creels and Dresser Spoolers for Wool or Worsted.

GRINDERS, Etc.—Floor, Traverse and Portable Grinders for Cards, Garnetts or Rag Pickers; also Turning Rests, Fillet Winders, Card Stretchers and Cleaning Frames.

A complete line of Machinery for Manufacturing Gunny Bagging from Old Gunny Bagging; also for Manufacturing Mop Yarn and Rope from Cotton Waste.

Felting Machinery for Manufacturing Soft Felts or Commercial Batts, for Mattresses, Comforts, etc., made from Cotton Waste, Linters, Jute, Wool and Wool Waste.

Special Circulars furnished for each Machine.

PROCTOR DRYERS

Formerly the "CYCLONE"

Fireproof

These dryers embody many features which make their operation and up-keep cost the minimum.

Here is one of the features—the Interlocking Sectional Conveyor—no wear and no adjustment.



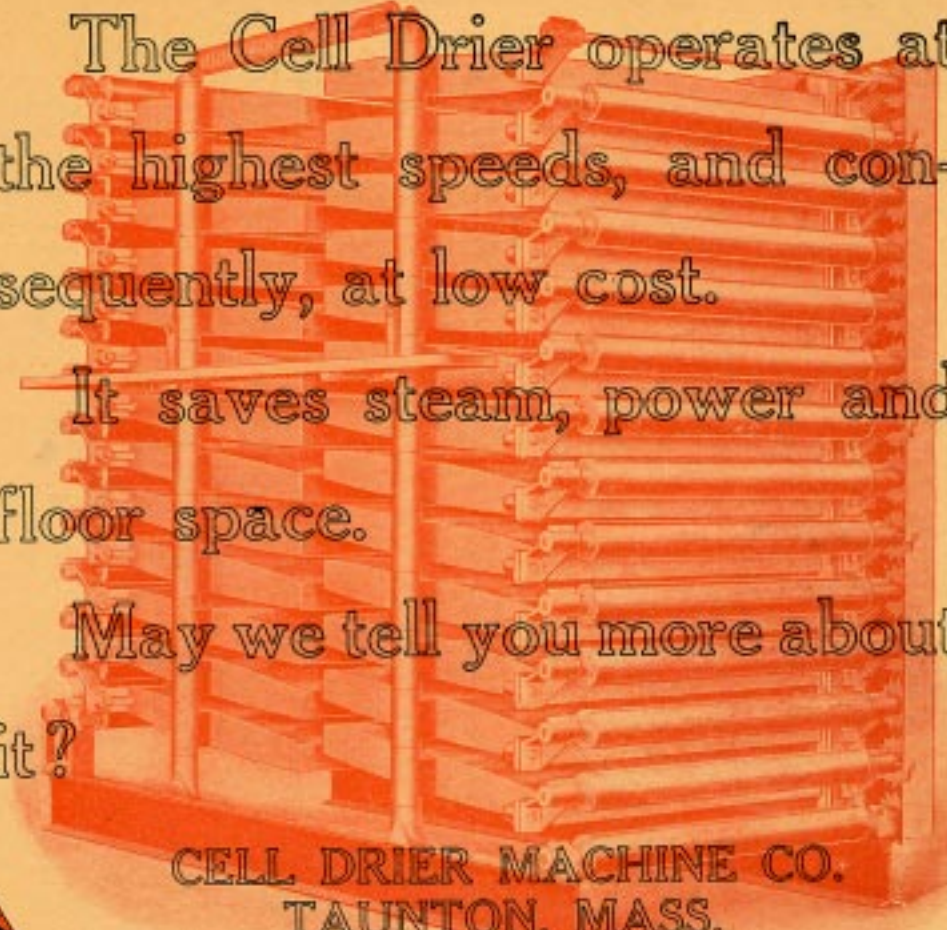
We build nothing but dryers, and our energies are directed at all times to the making of better dryers—dryers which will be better for the purchaser in every way.

If you do any drying whatever, send for our illustrated book Y

The Philadelphia Textile Machinery Co.

Philadelphia, Pennsylvania

H. G. Mayer, Charlotte, N. C.



The Cell Drier operates at the highest speeds, and consequently, at low cost.

It saves steam, power and floor space.

May we tell you more about it?

CELL DRIER MACHINE CO.
TAUNTON, MASS.



Are You Securing Maximum Production?

Many manufacturers are not

Why?

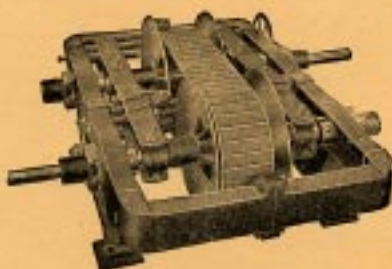
BECAUSE—They are often manufacturing on one machine several grades of goods and working at one speed; or, using the obsolete step cones, gears, throttling governor engine, expanding pulleys or some other makeshift that gives them "about" the right speed required.

WHY NOT install "The Reeves" Variable Speed Transmission to operate your machines and always get EXACTLY the right speed at all times?

"THE REEVES" assures the greatest production that the machine and material in process will stand.

Submit Your Problems To Us

Our engineering staff especially trained in this line is at your service



EASTERN AGENTS:

Lewis E. Tracy Co., Boston
Patterson, Gouffred & Hunter, New York City
W. E. Shipley Machinery Co., Philadelphia

Reeves Pulley Co., Columbus, Ind. Chicago Branch: 39 S. Clinton St.



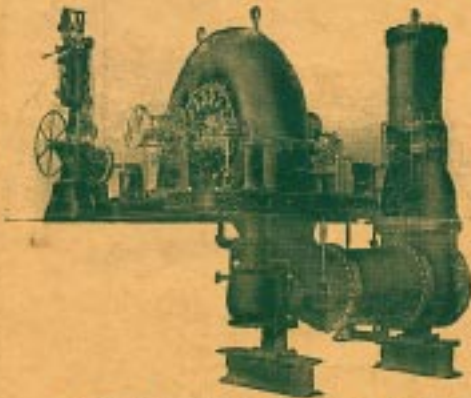
An Investment That Pays 35 to 40%

New Departure guaranteed ball bearing shaft hangers pay for themselves in the power they save. They are a simple, strong, enduring, accurate, machine-shop product that cannot be compared with the old-style, power-consuming hangers. They have been designed especially for main shaft support, and are fitted with self-aligning ball bearings that effectually compensate for any shaft distortion.

Send for instructive literature today

The New Departure Mfg. Co. Hartford Div.
Hartford, Conn.

"SMITH" Hydraulic Turbines



One of three units each of 1700
H.P., 720 R. P. M., 280 feet head.

These turbines when tested in place gave over 87% efficiency. Turbines built for heads from 5 to 600 feet.

Send for Bulletin X.

S. Morgan Smith Co., York, Pa.

Branch Offices 116 Federal St., Boston, Mass.
164 American Trust Bldg., Chicago, Ill.

DON'T PUT OFF BUYING



That Eastman Cutter

Without it you are losing money; with it you would stop your losses.

Straight Knives for Round Knives
Direct or Alternating Current

Free trial for all styles

Eastman Machine Co.

Buffalo, N. Y.

NEW YORK, 124 Lafayette St. CHICAGO, 313 W. Van Buren
St. PHILA., 120 N. 2nd St. BALTIMORE, 121 W. Fayette St.
DETROIT, 73 State St. KNOXVILLE, Tenn., 39 Central
Market. SAN FRANCISCO, Cal., 682 Mission St.
BOSTON, 344 Washington St.



Comparative results obtained by a Southern Mill show that a long boil of SIZOL and starch is necessary to secure good results.

Another mill which boils its sizing two hours reports an average production of 96%, running no overtime, of which only 1½% is seconds.

This 1½% tells the tale and is a direct result of SIZOL on 30's warps.

Are your results as good?

SEYDEL MANUFACTURING CO., 86 Forrest St., Jersey City, N. J.