

# MILLIONS IN COTTON

### Stupendous Industry Can Be Expressed Only in High Terms—Those Who Guide It Seek to Broaden Operations.

By FREDERIC J. HASKIN.  
(Copyright, 1908, by Frederic J. Haskin.)  
Washington, Aug. 29. With the increase of the nation's greatest textile industry—the manufacture of cotton—comes a greater need for cooperation among the manufacturers and among the workers, and a wider understanding of the problems that beset the way.

To discuss these problems the Spinners' International union will meet in Boston on September 19, and at the same time and place the National Association of Cotton Manufacturers will hold its sixth annual meeting at Saratoga, and on October 29 the United Textile Workers of America will meet at Cohasset, N. H. With America growing three-fourths of the world's cotton supply, manufacturers and textile workers have many plans to devise whereby so many spindles may not again stand idle as they have during August of this year, nor call for the large curtailment of cotton goods that was necessary in the Carolinas.

#### Measures of the Industry.

Measured by the number of spindles, nearly a quarter of a million all told, the United States ranks second in cotton manufacture among the world's workers. In the manufacture of cotton goods approximately 1,200 establishments are devoted to this industry, employing 316,000 workers at a total wage of \$72,000,000. Capitalized at \$614,000,000 these establishments turn out an annual product of about \$480,500,000 worth of goods.

Of the cotton manufacturing establishments North Carolina has 251, Massachusetts 210, South Carolina 141, Georgia 137, Pennsylvania 124, New York 112. Of the nearly quarter million spindles one-third are in the southern states, a most marked increase having been there during the present year, despite the fact that mills were closed in many sections for a while this summer. South Carolina, for example, has an increase of 143,250 spindles and 2,567 looms, aggregating 492,000,000 new spindles, and giving employment to 1336 more operatives. The crop of the cotton year of 1906-7 for the mills for last year's manufacturing purposes was 4,282,920 bales, averaging 500 pounds each, or 2,141,460,000 pounds in all. The cloth mills used over four-fifths of this, and the balance was distributed among the yarn spinners, hosiery mills, woolen and worsted mills, the carpet, waste and silk manufacturers.

#### Production Can Be Increased.

The number of looms and spindles produced by the world last year was slightly over 16,500,000, and of these the United States furnished nearly 41,000,000. It is believed by those who have studied the situation and who know the possibilities of land in the south, that 10,000,000 bales could come from that section. As yet the resources of the south in this particular direction have not been fully proved. Government experts under Dr. Knapp have given practical demonstrations in Texas, Mississippi, Louisiana and Alabama, and it has already been measured in better and larger crops.

#### Cotton Picking Eats Up Time.

It is the picking of the cotton that takes so much time for the farmer. While one man with the proper machinery can cultivate 30 acres, it takes four men picking an average of 100 pounds of cotton a day to harvest the crop. Last year's crop required for its harvesting 1,300,000 man-days, or 3,260,000 persons working four months.

#### Improvements in the manner of handling and storing cotton have arisen from an awarding of prizes among the farmers. Within the past year cotton warehouses to the number of 1000 have been built by the Farmers' Educational and Cooperative Union of America, through the cotton belt of the south. The total cost of these warehouses is \$10,000,000. Harvey Jordan, president of the Cotton Growers' Association, is working in cotton bales. All these will militate toward a larger crop, and a better grade of cotton. The supply of cotton raised in this country the increase in spindles in the United States has been only 600,000.

in the past eight years, while in the past three years Britain has shown an increase of production. And in the United States there is an apparent possibility of increasing the output of cotton machinery and coal or water for the motive power.

#### Manufacture Should Be Varied.

Despite the enormous amount of cotton goods made in this country, we import just over something like 15,000,000 yards of manufactured cotton goods. Some of these are of high quality and some of low quality, and some are made in England. It is a long list of goods, and it is a long list of goods that would be in such advantage. Taking an average North Carolina crop of 100,000 bales, the cotton would be worth \$1,000,000. If this cotton were made into goods of the highest quality and sold at \$1.00 a yard, it would be worth \$100,000,000. If made into goods of the lowest quality and sold at \$0.25 a yard, it would be worth \$25,000,000. The difference is \$75,000,000. It is a long list of goods that would be in such advantage. Taking an average North Carolina crop of 100,000 bales, the cotton would be worth \$1,000,000. If this cotton were made into goods of the highest quality and sold at \$1.00 a yard, it would be worth \$100,000,000. If made into goods of the lowest quality and sold at \$0.25 a yard, it would be worth \$25,000,000. The difference is \$75,000,000.

#### Cotton Supports Whole Towns.

The industry has built and supports hundreds of towns whose business and whose population depend entirely on the mills and factories. In Lowell, Mass., for example, there are 800,000 spindles, and 25,000 looms with a wide variety of goods as the output of the establishments. The factories of this city consume 100,000,000 pounds of cotton per year, requiring about 100,000,000 yards to the pound Lowell ships about 100,000,000 yards annually. The goods go out in packages of all sizes, from a small one that a traveling man could tuck under his arm, to a large household box which only freight cars can handle. It must be in proportion to the width and height of boxcar doors. In Lowell there are 10,000,000 pounds of cloth are treated daily.

#### The Laborers in the Mills.

The problem of securing and holding operatives is one of the biggest ones among the manufacturers. The south has a surplus of the poor whites, and through the benevolence of mill men in the matter of textile schools, primary education, churches, sanitary houses and villages and settlement work, these people are finding a newer and better system of living in the New England states. Immigrants from the old world and from Canada are the hands employed. Wherever they are these operatives are being converted to the best of attention at the hands of welfare workers, reformers and statesmen. A Boston paper recently provoked controversy by objecting to the establishment of a new mill in East Boston, saying that the establishment represented one of the lowest paid industries in the United States and that the operatives did not receive living wages. In reply comparative figures of living expenses and wages were shown between the shop girl and the mill girl, with the superior advantage for the mill girl. Investigators in the matter of industrial hygiene have found that in up-to-date factories the percentage of deaths from tuberculosis is lower than among women who go out to domestic service.

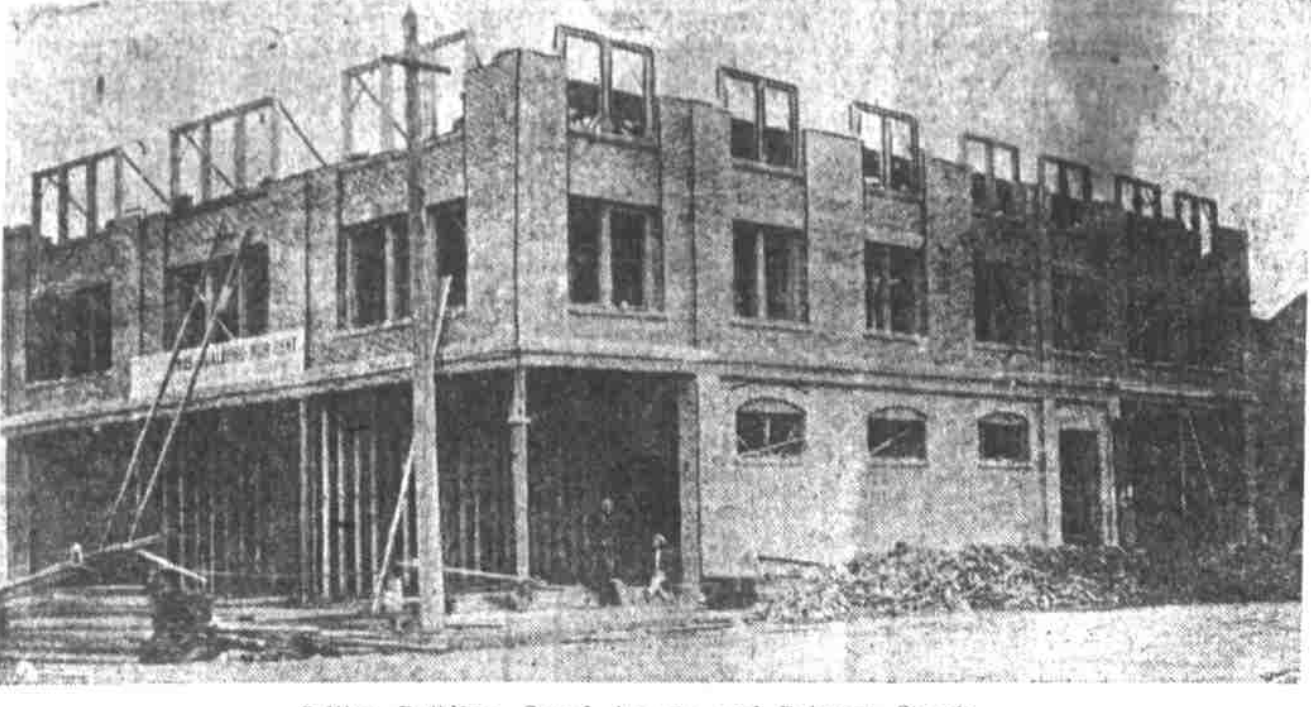
#### Machinery's Use Increasing.

There are thousands of women working in the factories, and thousands more who are being trained in the use of machinery. The machinery is being used more and more, and the use of machinery is being pushed both away in favor of men who can do heavier work and manage more machinery, and toward the women of the question has shown the manufacturer that each child employ wastes more than his savings in the matter of wages. Through the south progressive men are asking for compulsory education laws that will take children out of the factories and put them into schools. It has been only 118 years since William Slater came over to Rhode Island and established the first water powered cotton mill. It is even longer since the days that Thomas Jefferson had his private factory on his Virginia plantation. Machinery with the precision of lightning eliminates the need of human labor, minimizes time, and in the new era of industry.

#### MELBOURNE IS ALL WELCOME

Reception to Fleet on a Scale Not Exceeded on the Entire Cruise.

By H. Lee Cloworthey United Press Correspondent Abroad the U. S. S. Melbourne, Aug. 29.—The Atlantic fleet arrived here at 3 o'clock this afternoon and was accorded a welcome that outranked in magnificence anything so far as this successful trip. From Fort Phillip Heads to the anchorage grounds in Port Phillip Bay, a distance of 30 miles, the entrance of the white squadron was long awaited. Thousands of pleasure craft had come out to the heads to meet the American battleships and the shores were lined with almost sea-sick people as well as the thousands of the fleet into San Francisco harbor.



Seiling Building, Grand Avenue and Belmont Streets.

## CONTRACTS ARE LET FOR CLASS "A" TYPE SCORES OF BUILDINGS

More than half a hundred residence contracts were let during the present week, most of them being for cottages which will cost when completed \$2,000 or less.

H. W. Gerke is about ready to let the contract for a nine-room two-story residence to be built on Peninsular avenue at a cost of \$2,500.

P. Van Datta has begun the erection of a cement block dwelling in Rose City Park. Plans were drawn by Architects Clausen & Clausen and the contract let to J. W. H. Miller.

H. F. Gersbach has commissioned Architect Kroner to get up the drawings for a two-story brick dwelling to be erected at East Thirty-second and East Salmon streets.

Kraff & Lawrence have the contract for a 12-room dwelling for Mrs. M. G. Clark, Alberta street between Mallory and Garf streets.

F. H. Galbraith, for a \$2,000 dwelling at East Salmon street between Rodney and Union avenues.

J. O. Williams will build an \$1,800 cottage on East Salmon street between East Fortieth and East Forty-first streets.

James McGuire will erect a \$1,800 home on East Eighteenth street between Alberta and Sumner streets.

William Whitlock will build an \$1,800 dwelling on Clinton street between Marguerite and Thirty-fifth streets.

J. Becker will build a \$1,500 cottage at Brooklyn street.

B. H. McFarlane will build a \$1,900

dwelling on East Twenty-fourth street between Alberta and Mildred streets.

H. W. Helzenreter has taken out a permit for the erection of a \$1,500 home to be erected on East Twenty-seventh street between Emerson street and Killingsworth avenue.

J. S. Reagan is also to build a \$1,500 home on East Twenty-ninth street, near Hawthorne avenue.

E. Miller has begun the erection of a two-story cottage on Ohio street between Hamilton avenue and Bancroft street. When completed it will have cost \$1,600.

Williams & Bodwell will erect a \$2,000 residence in Glen avenue between East Main and East Salmon streets.

Fred Winder will build a \$2,000 dwelling in Wasco street between East Twenty-first and East Twenty-second streets.

Home R. Anzell has let the contract to A. C. Meyers for the erection of a \$2,000 residence on Montgomery drive near Fern avenue. The building is to be a modern home in every respect, and will be one of the landmarks of the many new heights structures.

Mrs. Jennie R. Hall has contracted with E. H. Hallock for the erection of a \$1,500 cottage on East Seventeenth street between East Glisan and East Flanders streets.

Ed Miller and John Kirby each building \$1,200 homes. The former on Hamilton avenue, South Portland, and the latter on Sumner street near Albina avenue.

#### 62-STORY COSTS \$12,000,000

Equitable to Erect Largest Building in the United States.

All doubt has been removed as to the erection of the 62-story office building for the Equitable Life Assurance society on the site of its present office quarters at Broadway and Nassau streets, New York. The plans have been submitted to and approved by the building inspector. The plans represent the most ambitious building enterprise as yet projected in this country, calling for an expenditure of \$12,000,000 in the construction of a most perfectly designed building 60 feet high, with a floor area of 1,000,000 square feet, and containing more office workers than any other two buildings in the world. A corps of engineers have just finished a critical examination of the architect's drawings.

#### CONCRETE HALL FOR LENTS GRANGE

The first reinforced concrete building to be erected in the Mount Scott district will be a public hall built at Lents by the Lents Grange Hall association. Plans for the structure, which is to be 40 by 80 feet, two stories high, are being prepared by two members of the grange. Nearly all the construction work will be done by members of the organization, who have subscribed days' work to the building fund.

Four story rooms will be on the ground floor, and the second story is to be entirely devoted to a lodge room. Several fraternal organizations at Lents have spoken for the hall, there being no suitable lodge room in the town. The building will be finished as speedily as possible in order to furnish the Lents lodge with quarters before winter comes on.

#### ST. JOHNS HAS FUNDS FOR DOCK

The city of St. Johns has on hand the funds with which to erect a public dock. The council has ordered the city engineer to get up the plans and proceed with its construction. It is proposed to build the dock at the foot of Philadelphia street, the main thoroughfare crossing the river from the business center. A portion of this dock will be double decked, the whole to be modeled after the Albina dock of the O. R. & N. company. By the time the structure is completed the O. R. & N. will have double tracks extending to it, affording excellent shipping facilities to the merchants of the enterprising little city.

#### WEMME GARAGE ON SEVENTH ST.

Work has begun on the second garage to be built by E. H. Wemme within the present year. The structure going to be erected on Seventh street between Couch and Burnside streets. It is to be of brick construction, two stories high and when completed will represent an expenditure of between \$10,000 and \$20,000.

Contractor W. G. Griffith has been awarded the contract for the erection of a two-story brick store building on Third street, between Astor and Burnside. The building is being erected for the Burke estate and will cost about \$12,000.

J. C. P. Westergaard has let the contract for a large building on Front street between Montgomery and Harrison streets. When completed it will cost \$5,000.

#### Wind Braces Considered.

The plans are approved with the agreement by the architect that the windbracing of the lofty structure will be greater than at first provided and that additional stay-rods will be installed for the use of the army of occupants, and furthermore that each double line of stairs shall be enclosed in fireproof partitions and fitted with iron doors, the installation of the additional stay-rods and of the partitions and doors in the structure making it possible to do away with exterior fire escapes. Ample means of exit being assured without them.

The floors are all to be of the heavy reinforced arch pattern, built of steel and filled in with concrete, and the columns will be kept always in readiness for the use of the firemen both night and day in case of fire.

#### What Live Stock Insurance Means

That we insure the lives of your horses, mules and cattle against death by accident or disease for two-thirds their cash value at a very nominal rate.

Money invested in live stock should be as fully protected against death from other causes as from fire. One hundred and ninety-nine animals die annually from accident and disease where one dies from fire.

We have paid \$22,000 in losses from accidents and disease to the owners of live stock in Oregon, Idaho, Utah and Washington.

#### PRETTY BUNGALOW ON COUNTRY PLACE

One of the prettiest country bungalows to be found anywhere in the state has just been completed by the Walnut Plantation company on its property near Gaston. The house is small, being only five rooms, but the design is especially attractive and the interior arrangement is ideal. It was erected for the occupancy of the superintendent of the plantation, and is a most desirable home. Work was begun preparing the first \$500 week for planning.

#### CRANBERRIES

There will be an automatic filtering plant through which all water for the use of tenants will pass in connection with the auxiliary fire standpipes, so that the use of the fire hose will in no wise affect the regular water supply.

The plans for the mammoth elevator plant required for the building have not yet been submitted, this being a detail that is usually not attended to until the construction work proper on buildings is far advanced.

Weinhard's Malt Tea, a non-alcoholic and non-intoxicating beverage, ready for delivery on and after Saturday, August 29, 1908. Phone or mail orders to Henry Weinhard, 3137 1/2 Third and B streets, Main 72, A-117.

#### ELASTO CASTINGS

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Inexpensive; adds years wear; goes on any kind of roof.

NORTHWEST ROOFING CO., Wash. 811 N. 23d St. Main 4897.

#### THE TRUTH ABOUT KIDNEY TROUBLE

Kidney trouble is inflammation of the kidneys due to eating and drinking etc. Backache is seldom an evidence of inflammation of the kidneys. Smokiness or redness that can be seen with the naked eye are not really evidences of a very serious stage of the inflammation. The effect is the gradual reduction of the inflammation and the patient usually disappears with the kidney trouble. The patient should abstain from alcohol and live carefully and the ordinary case of kidney trouble will with care and treatment usually disappear the first few weeks. If it persists or there should be continued evidence of disordered kidneys, it should demand the attention of a patient in view of the position taken by medical writers that about the sixth month the inflamed condition becomes chronic and incurable.

It will be seen through all the above that the real trouble is inflammation of the kidneys. While there are many kidney stimulants they have been abandoned by physicians for they now know that none of them carry repair to the inflamed kidneys.

The late John J. Fulton was the first man in the world to discover an efficient that reaches the kidneys.

It reverses the old treatment. Instead of irritating the inflamed kidneys with stimulants, the effect is the gradual reduction of the inflammation and the patient usually disappears with the kidney trouble. Fulton's Renal Compound, the only medicine that is capable of reversing the inflammation in about 70 per cent of all cases.

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#### That's what you pay for—not a pile of cast or sheet iron, but a satisfactory heating plant.

### The W.G. McPherson Company

#### HEATING ENGINEERS

328 Glisan Street Portland, Ore.

Excavating is in progress on three prominent downtown corners, and work will begin on the fourth in a few days, preparatory to the erection of modern fireproof buildings of the class "A" type. On the Meier & Frank corner at Sixth and Alder, and the Lombard corner at Fifth and Stark, the excavations are about completed, while the excavation has just begun on the Charles K. Henry corner at Fourth and Oak streets.

Soon after September 1 the big steam bucket will begin lifting dirt at Seventh and Stark streets, where Theodore B. Wilcox will put up an eight or 10 story annex to the Imperial hotel.

It is understood that the lessees of the quarter block at the northwest corner of Fourth and Alder streets have completed their arrangements and will soon begin the erection of a six story hotel on that site.

The Lohrs estate yesterday took out a permit for the erection of a six story reinforced concrete building at Eighth and Everett streets to cost \$100,000. The building is to be occupied by the Humeau-Frank Drug company, and will be erected by the Northwest Bridge Works.

#### TRYING TO CONCEAL MERIT

In a worthy paint is out of the question if you test it sufficiently in order to prove its worth. Sun, rain and the ravages of time play havoc with inferior paint but the meritorious kind suffers little or not at all. Our RAY STATE paints meet every practical test.

#### THE BIG PAINT STORE

### Fisher, Thorsen & Co.

FRONT AND MORRISON STS.

#### Don't Get Stuck!

By purchasing hardware of questionable value because the price is a cent or two lower at one place than that asked at another—the difference in quality probably outweighs the difference in price. Deal only with a reliable house, such as Avery's, where you are certain of getting what you pay for; where goods are as represented and a dollar buys a dollar's worth.

#### AVERY & CO.

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#### W. P. FULLER & CO., Pacific Coast Agents

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CARPENTER AND BUILDER

Factory and Office 235 Second Street, near Main. Altering and repairing houses.

Phone: Main 1787; A-1787. Show, See and Counters built.

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#### Genasco Roofing

Carried in stock for all kinds of roofs and fully guaranteed.

#### CENTRAL DOOR & LUMBER CO.

12th and Glisan Streets Phone Main 9796, A 1790.

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