

THE EVENING TIMES-STAR, SAINT JOHN, N. B., SATURDAY, MAY 30, 1925

13

# SAINT JOHN COTTON MILLS GIVE EMPLOYMENT TO FIVE HUNDRED Thousand Dollars Wages Paid Out For Every Day in Year

**Cornwall and York Mills Busy Places Turning Out Product, Chiefly for Canadian Market—Output 55,000 Pounds a Week.**

WITH an approximate weekly production of 55,000 pounds of yarn and cloth fabric, an annual payroll in excess of \$360,000 in addition to about \$40,000 expended yearly in Saint John for supplies, etc., and the employment of some 500 people, practically all local men and women, the Cornwall and York Cotton Mills Co., Ltd., subsidiaries of the Canadian Cottons, Ltd., are doing their share in keeping local employment conditions stable, in sustaining Saint John on the commercial map as a progressive manufacturing city and, by the distribution of their products to markets almost entirely within the bounds of Central and Western Canada, are keeping the name of this city in the minds and before the eyes of the rest of the Dominion. This is the subject of this week's article on Saint John industries.

## Cornwall in 1876

The Cornwall and York Cotton Mills Co., Ltd., was organized in 1901 and comprised the two local plants at Courtenay Bay and Wall street. The present concern succeeded William Parks & Sons Co., which built both plants. The original factory was located on the corner of Wall and Autumn streets and was constructed in 1876. From then until the present time, additions to the factory have been effected until now it covers an entire city block. This is the Cornwall mill.

The York mill at Courtenay Bay was built six years later, in 1882. Both plants are modern in every respect, the generous floor space giving all employees sufficient working space. Fresh air and sunlight stream in through the many windows, the former serving to alleviate somewhat the heat given off by the machines, especially on the loom floor. All machines are driven by electricity generated by the plant's own power house.

The new steam turbine generator plant at Courtenay Bay is the last word in electric installation and compares most favorably with any similar

plants in Canada. Its capacity is 1,000 H. P. It is fed from three Babcock and Wilcox water tube boilers equipped with chain grates.

## 8,000 Bales Yearly

In the manufacture of their products, the Cornwall and York mills use American cotton exclusively as it is declared the most satisfactory for the class of goods marketed by this firm. Some 8,000 bales of cotton are used annually. The coal consumed is mined in New Brunswick and Nova Scotia.

In the Cornwall mill in Wall street the goods produced consist of yarns and twines only. The cloth is made at the York plant and it is the York plant which is herein described. The yarns made are for various purposes, mainly tying twines in white and colors, and including those used for cable and wire insulation, shoe laces, broom cords, etc. The cloth fabrics are all of a heavy texture and are colored, being used principally in the manufacture of clothing for the working man and for juveniles.

The different processes which the

raw cotton goes through, before it is transformed to the finished cloth ready for the market, are varied and interesting and although many technical terms have to be employed in order to describe these processes intelligently, the impression meant to be conveyed may be easily grasped by the reader.

## The Process

The raw cotton comes to the mills in huge bales and is first subjected to the cleaning and picking process. It is fed to a huge suction machine which separates the pieces of cotton and conveys them, by means of an overhead suction cylinder, to two machines called "openers." These also pick the cotton to pieces and clean it. The cotton then emerges from the machines and is rolled around the external cylinders of the machine. The cotton is automatically made to weigh the desired amount per yard.

The carding process is the next stage. The card cylinders are covered with fine wire, rotate at a high speed and produce what is known as "silver." This, acting in accordance with the drawing-frame, draws the stock finer and finer. The "slubbing" machine next comes into play and this also serves the purpose of continuing the thinning and twisting process to a further stage.

On the third floor are the spinning frames. The cotton thread is spun until it is fine enough to meet the necessary requirements. It then passes through the "traveler" and is wound about the bobbins in the shuttle. The cotton is then transferred from the bobbins and spooled to give it a continuous length. If a break occurs in the thread, the employee attending to this part of the process, uses a steel knot-tyer and have the thread knotted again in a moment.

## Warping

On the top floor are found the "warping" machines which make the yarn into "chains" or "beams" according to the next process which the cot-

ton is to undergo. The chain warps are taken to the dye-house to be dyed sulphur colors or indigo. The dyed yarn is then coiled in chains, that is, it is wound round and round by overhead machines holding the ends of the strips of yarn. This leaves the yarn in large, round bundles.

From the beaming process, the cloth is passed on to be dressed or "finished." This is done in order to dress the yarn for weaving purposes and also provide for the patterned or striped work. For example, if the cloth is to be of a black and grey stripe, the work done by the slashing machine insures the stripe being woven into the cloth.

From the dressing, the yarn is subjected to "web-drawing." This prepares the sized warp for weaving by drawing it through the "bed-eyes" and "drop wires." When these machines have completed their work, the yarn is "finished" and ready for weaving. For plain work, web-drawing is not necessary at all times. In case this process is not employed, a Barber-Colman warp-tying machine, which prepares a warp in approximately 20 minutes, is brought into play.

## At The Loom

Perhaps, of all the machines in the Cornwall and York mills, the loom is the most familiar to the ordinary layman citizen. After the warp is placed in the automatic loom, of which there are 800 in the two plants, and the loom is filled with bobbins of "wett," the loom is started. Unless an end of the warp, or the filling in the shuttle breaks, the loom should not cease action during the course of the working day. To provide against imperfections in the cloth, the looms have appliances which stop the machine automatically when a break occurs.

Taking the reader to the dye-house, he may view one of the most up-to-date sets of dyeing rooms in the Dominion. In hot or cold dye vats a sufficient number of times to insure the desired depth of color being obtained. Some dyes demand cold immersions, while

others take a better color in the hot vats. After the yarn has been colored it is treated to a cold water bath, dried on copper cylinders and coiled in preparation for "beaming."

## Ready For Market

When the cloth has been taken from the loom at the cut-mark, that is, when the required length is reached, it is sent to the finishing room, where it is sewn together in large rolls for finishing. In this process, it is passed through an automatic brusher and shearer which remove loose threads and knots. The finished cloth is next subjected to the rolling machine which places it in the shape of the flat rolls which one is accustomed to see on the shelf of a dry goods store. The burlers and inspectors then step into play. These yard the goods and ticket them prior to passage to the baling press. After this machine has performed its task, the bales of cloth are ready for the market.

The power house at the York mill is one of the most modern in Canada. This is the first thing a visitor to the plant would probably be apt to notice would be the pond of water in front of the power house. This is not, as may be supposed, a "touch of local scenery." The hot water from the condensers is conveyed by pipe to this cooling pond and is chilled prior to its being used again.

The furnaces of the power house would appeal to the householder who finds "tending the furnace" the bane of his existence. There are three huge furnaces. The coal is raised to the floor above the furnace room and when more is required to keep the furnaces at the necessary degree of heat, the fireman simply pulls a chain and the coal falls through a perpendicular pipe to huge grates at the bottom of the furnaces. These grates revolve slowly in the direction of the fire boxes and, as they reach the furnace, distribute the coal evenly over all parts of the fires. Thus the maximum amount of heat is obtained.

## Measured Supply

If 800 pounds of coal are desired, the fireman simply gives the endless chain a slight impetus and an instrument on the front of the furnaces automatically records the amount of coal falling. There is also no trouble with ash removal as the burned coal is raised by steam to the ash chamber, where it is held ready to fall into the ash teams at the pull of a lever controlling the ash window.

In the engine room, two 800 kilowatt machines, running alternately, generate the electricity for both mills and convey the power, by means of wire, to the plants.

Fire is the chief hazard of a cotton mill and endless precaution is taken against the breaking out of conflagrations. To this end, both mills are protected by hundreds of Grinnell automatic sprinklers.

## The Officials

W. A. Nicholas, general superintendent of both the Cornwall and York mills, has under him as executive officers, W. C. Drake, superintendent of the York mill; George B. Gaulton, master mechanic; Thomas Armstrong, overseer of dyeing; T. S. Boies and Thomas Moxham, overseers of carding; Richard Naves, James Kelly, Charles O'Keefe and Peter Costello, overseers of spinning; J. T. Nuttall, overseer of twisting, coning, winding and reeling; Charles Thorne, overseer of weaving; R. F. Handren, overseer of warping, beaming, slashing and web-drawing; H. W. Bromfield, in charge of the finishing room, and W. R. White, paymaster. All these men have been with these plants for periods of time ranging from 15 to 45 years.

W. A. Nicholas, general superintendent of the Cornwall and York mills, has been with the Canadian Cottons, Ltd. for 20 years and is recognized as one who knows the business of the production of cotton cloth from end to end.

## Appendicitis Increasing Year By Year In London District

LONDON, May 29.—In some districts in and around London appendicitis is unusually prevalent. There are large numbers of cases in all the great hospitals. The disease is steadily increasing year by year.

"There are more deaths now than ten years ago," said a surgeon. "In the last ten years 28,000 people have died of this disease. We have no means of knowing how many people are attacked, but calculating from the deaths there must be more than 50,000 serious cases a year."

Dr. James Sherrin, surgeon to the

London Hospital, said that a sudden severe pain in the abdomen is nearly always the first symptom of appendicitis. The need for submitting to instant surgical treatment is shown by results at two London hospitals as reported in the British Medical Journal. In cases operated on immediately mortality was less than 1 per cent.; when the inflammation extended and became local peritonitis, mortality after operation was 6 per cent.; when there was further extension to general peritonitis, mortality ranged from 20 to 29 per cent.

## Moncton Engineers Elect Officers

MONCTON, May 29.—At the fifth annual meeting of Moncton branch of the Engineering Institute of Canada last evening the following officers were elected: Chairman, C. S. G. Rogers, A.M.E.I.C.; vice-chairman, A. S. Gunn, M.E.I.C.

A.M.E.I.C. secretary-treasurer, M. J. Murphy, A.M.E.I.C.; executive committee, A. F. Stewart, M.E.I.C.; J. R. Freeman, A.M.E.I.C.; J. D. McBeath, M.E.I.C.

## AUTO SEIZED AND TWO MEN ARE HELD

Car Taken Here on Word From Port Greville, N. S., Alleging Theft.

Good work on the part of Police Constables Corvick and Cooper at 8:30 o'clock last night was responsible for Albert Parsons, aged 20, and George Parker, aged 18, both belonging to Parrsboro, N. S., being locked up in a cell at police headquarters where they will be held awaiting a constable from Nova Scotia to take them to Port Greville on suspicion of stealing an automobile. Late yesterday afternoon word was received by the chief of police from H. W. Schofield that the owners of a 1914 Ford had been stolen from Port Greville, N. S., on Wednesday night last. A description of the car was given and this was explained to the city constables.

The car, which is a Ford roadster, is the property of Arthur Boyd, a clerk in the Schofield office at Port Greville, and last night Detective Biddiscombe wired to Mr. Boyd that the car had been recovered and the two men who had it in their possession were being held here.

It is reported that Parsons and Parker were driving to Lynn, Mass.

## Halifax Pastors In Court Actions

HALIFAX, May 29.—Writs were filed at the court house here today by W. A. Henry, K. C., acting for the plaintiffs, for actions being brought in two anti-union Presbyterian churches against the pastors and certain members of the congregation by those members opposed to the union on the grounds that the vote on union was rendered null and void in that only those in full communion were permitted to vote.

A new vote is demanded, open to all those who contribute to the support of the church. The two churches are located at Kennetcook, Hants county, and at Westville, Pictou county.

## WALL PAPER

10c. Papers for 6c. Borders 3c. yard  
12c. Papers for 6c. Borders 3c. yard  
14c. Papers for 9c. Borders 4c. yard  
15c. Papers for 10c. Borders 4c. yard  
15c. Papers for 12c. Borders 4c. yard  
25c. Papers for 15c. Borders 5c. yard  
Oatmeal Papers, 30 inch, 15c. roll  
These papers are sold at pre-war prices and one-third less than you can buy elsewhere.

## OTHER BARGAINS

Ladies' 50c. Silk Hose for 37c.  
Men's Cotton Socks 15c.  
Ladies' Cotton Hose 15c.  
Ladies' Summer Vests 15c.  
Children's Cotton Hose, sizes 4 to 6 15c.  
Alarm Clocks \$1.25, \$2.00 Sheffield Razors for 50c, Club Bags \$1.45, Suit Cases \$1.45, 5 String Booms 30c, Rubber Balls 3c, 50 Paper Napkins for 10c. Oilcloth Floor Rugs, 6x7 feet, \$4.00; Infant's Delight Soap 6c., Laundry Soap 5c. Dolls, Toys, at less than wholesale prices.

## ARNOLD'S 211-213 UNION STREET

2 Doors from Waterloo Street

## When Travelling Carry DOMINION EXPRESS TRAVELLERS' CHEQUES

Good the World Over  
YOUR SIGNATURE IDENTIFIES YOU THEY PROTECT YOU AGAINST LOSS

## ONE ALREADY DEAD IS GIVEN LIFE TERM

BERLIN, May 30.—The grimness of military law has extended to the world beyond. On May 12 Private Paul Kopp, charged with the shooting of a French prisoner in 1917, was found guilty and sentenced to life imprisonment.

But investigation here disclosed Friday that Kopp had been dead for several years.

## 8-Year Old Is Held For Baby's Death

LOWELL, Mass., May 29.—An 8-year-old boy was arraigned on a murder charge today when John Vere appeared in juvenile court charged with the shooting of a 16-month-old Vivian Hixon in the Merrimack River. The case was continued until June 9, and the boy was held without bail.

Vere's companion, six-year-old Millard Partous, who has admitted complicity in the crime, was ordered held in bonds of \$200 as a material witness. The two boys have confessed that they undressed the infant, pushed her into the river and then threw stones at the body.

# Jewett Coach

## The Greatest Jewett \$1930 Ever Built

Jewett Coach will out-perform any car within \$750 of its price.

That means performance as you understand it—as you want it—on hills—on the open road—through rough going—in traffic—anywhere! 5 to 25 miles an hour in 7 seconds in night! Better than a mile a minute when you want it. You never saw an open roadster with more vitality and go!

And it's the easiest parking, steering, driving Coach you ever touched.

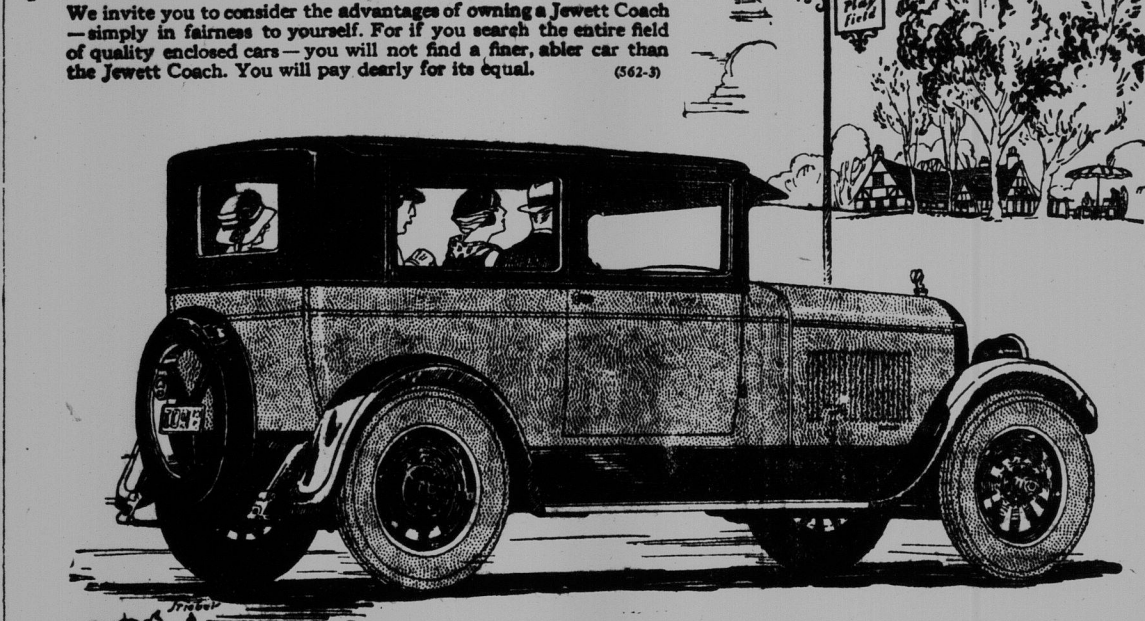
A Coach that turns around comfortably in a 42-foot street. Parks easily in a 16½-foot space at the curb. Enters or leaves your garage from or into a 14-foot alley.

It's the finest Coach ever designed—finest in roominess—convenience—comfort—sturdy construction—detail finish.

A Coach with sedan construction—sedan roominess. Wide doors permit easy access to the rear seat—without disturbing those in front. There's ample room for five to ride in perfect ease.

It's the greatest Jewett ever built—at the lowest enclosed price we ever achieved.

We invite you to consider the advantages of owning a Jewett Coach—simply in fairness to yourself. For if you search the entire field of quality enclosed cars—you will not find a finer, abler car than the Jewett Coach. You will pay dearly for its equal.



GREAT EASTERN GARAGE CO., LIMITED  
122-126 Charlotte Street, Saint John, N. B.

**SOFT WOOD**  
\$2.00 per load.

**HARD WOOD**  
\$3.00 and up, per load.  
Each load a quarter of a cord.

**GEO. DICK**  
46 Brittain St.  
Telephone Main 1116

## "Fate's Playthings"

To live with wife and little ones unprotected by Life Insurance is gambling with their future.

To leave a widow and children unprotected for as a result of such gambling makes them "Playthings of Fate."

The wise, loving and thoughtful husband and father does not take these chances. He takes insurance and is sure. When he selects The London Life he secures this protection at lowest net cost.

For example:—

Suppose you are 35 years of age and secure a London Life Jubilee Policy for \$10,000 and take advantage of your right 5 years later, to change it to a Twenty Payment Life Policy. Your average actual cost for the 20 years—entirely apart from dividends—will be only \$2.79 per thousand dollars of insurance per year.

Secure the benefit of the experience and suggestions of The London Life representative. Delay may make you uninsurable.

**London Life Insurance Company**  
"Canada's Industrial-Ordinary Company"  
HEAD OFFICES, - LONDON, CANADA  
Policies "Good as Gold"

J. SYMINGTON, City Manager,  
C. P. R. Bldg., Cor. King and Germain Streets, Saint John

**BRAGERS'**  
Big Month-End BEDDING REDUCTIONS

**Simmons Mattresses**  
Regular \$15.00  
**SPECIAL \$8.95**

**Simmons Baby Crib**  
exactly as illustrated  
**\$7.95**

**Simmons Guaranteed Coil Spring**  
**\$5.95**

**Simmons Continuous Post Bed**  
in Walnut or Mahogany finish.  
**SPECIAL \$8.95**

**Simmons Continuous Round Post Bed**  
with cane centre panel  
**\$12.45 AT**

**BRAGER BROS., LTD.**  
SAINT JOHN'S NEW FURNITURE STORE  
OPEN EVENINGS  
Phone Main 574  
JOIN OUR HOME LOVERS' CLUB  
51-55 KING SQ.