

THE SEMI-WEEKLY TELEGRAPH, ST. JOHN, N. B., OCTOBER 15, 1902

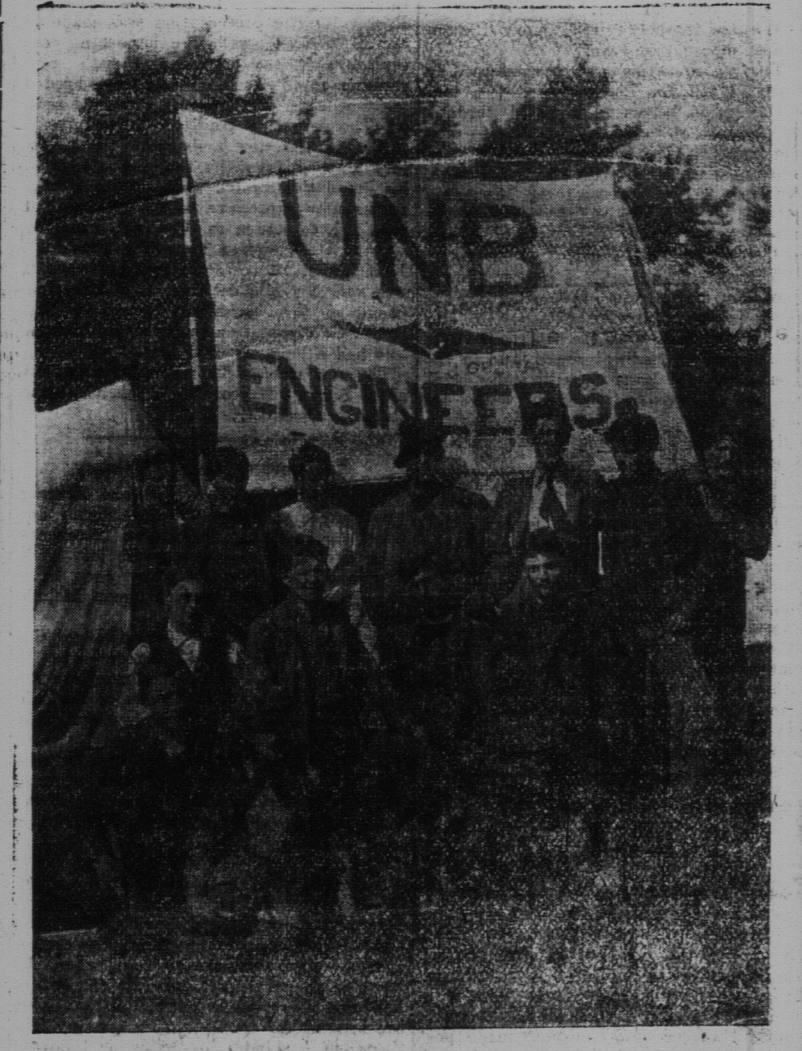
YOUNG U. N. B. ENGINEERS IN THEIR CAMP AND AT SURVEYING WORK.

Professor Jack is a Practical Bridge Builder, and Though the Field Work is Exacting It is Found Enjoyable - Laying Out a Railway - How the Work is Done

Fredericton, Oct. 10-For two weeks of the most perfect autumn weather, September 15 to 27, the engineers of the U. N. B. have had their annual camp for extended engineering field work near Lunt's Ferry, at the mouth of the beautiful Keswick river, some 12 miles from Fredericton.

ment is at once going to build a bridge across the St. John at that point. But one cannot pass over the delightful evenings after work was done. Huge bonfires of fresh and dry wood mixed with the glamor of dancing shadow and glowing light and warmth over us as we lay stretched out on our blankets talking and singing. The bright stars shone overhead, the river ripples whispered near and the distant country sounds came through the stillness. Such was our happy out-door life.

man. Each junior was entitled to hold a position as transitman, leveller, rodman, chainman or topographer. The sophomore started in as stake drivers and were promoted to positions as axemen, flagmen, chainmen, tapemen and rodmen. It may be said that the sophomore developed an expertise with the axe that was surprising and that only one student managed to cut himself instead of a tree. The students were very fortunate in having fine weather almost the entire time they were under canvas and there was no regret that the field work did



U. N. B. ENGINEERS IN CAMP NEAR THE MOUTH OF THE KESWICK.

Five tents were set up in a location selected with a careful eye to strategic movements upon the surrounding country. Wood and water are easily accessible. On the left flows the St. John, giving no sign of the noble breadth and volume of its lower reaches; on the right the Keswick, a little winding stream, runs through a valley of the most exquisite loveliness; while on the far side of the St. John the hills rise steep against the dazzling blue to meet the masses of summer clouds piled high with sun.

On all sides one comes upon charming apple orchards, as this is a very favorable year for fruit, yielding a rich and abundant harvest. Apples lend themselves so readily to picking that apple pie soon became a staple product of our culinary artifice's skill.

A wonderful spring was also found in the neighborhood, in which strange things happened. The dairy products of the "Kenaway" district are especially fine and perhaps it was by the reprecipitating processes of endosmosis and exosmosis that the level of the contents of the old tin creamery "that hangs in the well" remained unchanged, while rich yellow cream appeared (no man knew whence) on the board of the adventurous engineers. Under favorable climatic conditions cream will do this.

reating; we could not always "loafe and invite our souls." The men who had used the instruments in the day time had to put their work in the evenings and do it without mistakes at last.

The students are all delighted with the results of their outing. Unthought-of difficulties turned up in the practical work. Curves, for instance, had to be run four or five times before they ran right. It's a narrow road that leads to exactness and precision and all engineers wish to walk therein.

The students' work and camp was under the direction of Professor Brydone Jack, dean of the engineering faculty, and was situated about 12 miles above Fredericton near the mouth of the Keswick.

The following students were in attendance: Seniors, class 1903-W. G. Barkin, D. C. Tabor, A. T. Wilson. Juniors, class 1904-K. Chouinard, A. K. Gimmert, G. E. Howie, E. S. Miles, F. M. Somerville, G. B. Whitehead, B. A. Yandell.

Sophomores-A. R. Crookshank, F. G. Goodspeed, H. W. McLeod, C. McN. Stevens, A. W. Wilbur. Surveys were made for a line of railway from Lunt's Ferry to Keswick station on the U. P. R. The work consisted in running first a preliminary line from which levels and cross sections were taken to determine the topography. This line the levels and the cross sections were then plotted on paper. On the drawing thus obtained the location line was laid out to give the most economical line possible. Finally the location line, as drawn on paper, was staked off on the ground. curves were run in, slope stakes set and cross sections taken, so that the cost of the line could be estimated and construction work started.

The following positions were held alternately by students of each year: Engineer in charge of party, transitman, leveller, rodman, rear chainman, head chainman, head flagman, rear flagman, tapeman, axeman, stake driver.

Each senior was entitled to hold a position as engineer in charge or, as transitman.

PROF. JACK A PRACTICAL BRIDGE BUILDER.

Fredericton, Oct. 10-The engineering department of the University of New Brunswick has just received from Bullant & Co. a very fine walnut show case containing samples of wire rope and cables. These are of great use in illustrating lectures on the strength of materials and in increasing students' knowledge of what materials may be readily obtained.

The American Bridge Company has sent three large and valuable photographs of the following important structures: The Rankin bridge over the Monongahela river, built by the Keystone Bridge Works, for the United Railroad; the viaduct for the extension of Riverside drive, New York city; the Mossogro bridge over the Allegheny river for the Allegheny and Western Railway.

Special interest is added to these photographs by the fact that Professor Brydone Jack, of the U. N. B., had charge of the branch office of the Keystone Bridge Works, at which the designs and detail drawings of these structures were prepared.

The Rankin bridge, mentioned above, is one of the most important bridges in the United States from an engineering point of view. It contains a span of 500 feet, which was the heaviest built up to that time.

ST. MARTINS EXHIBITION.

AN EXCELLENT SHOWING IN AGRICULTURAL AND OTHER LINES.

The Fair Was a Splendid Success--The Horse Show a Good Feature of the Display--The Prize Winners in the Various Classes.

St. Martins, Oct. 8-The following is the list of prizes won at St. Martins exhibition held here on Wednesday: Horses--Judge, Myles Fowler, Upham, Kings County.

Pair draught horses, 1,200 lbs. and upwards--1st, J. P. Mosher; 2nd, Wm. Burchill.

Single draught, 1,200 lbs. and upwards--1st, M. R. Daly.

Agricultural stallion--1st, Geo. R. McDonough.

Pair horses, agricultural, not to exceed 1,200 lbs.--1st, Geo. R. McDonough; 2nd, S. J. Shanklin; 3rd, Edward McBride.

Single horse, agricultural, not to exceed 1,200 lbs.--1st, H. W. Brown; 2nd, Allison Rourke; 3rd, Colin Carson.

Brood mare, colt at her foot, agricultural--1st, Samuel Osborne.

Agricultural colt, 3 years old--1st, Wm. Burchill.

Agricultural colt, 2 years old--1st, S. J. Shanklin.

Agricultural colt, 1 yr. old--1st, Geo. Mosher; 2nd, Isaac Mosher; 3rd, Wm. Burchill.

Agricultural colt, spring--1st, S. C. Osborne.

Pair driving horses, roadsters--1st, Jos. Kennedy.

Driving stallion--1st, Wm. Burchill.

Driving horse and roadster--1st, Geo. R. McDonough; 2nd, James Rourke; 3rd, H. E. Gilmore.

Driving colt, 3 years old, to harness--1st, Allison Rourke.

Driving colt, 2 years old--1st, J. A. Floyd; 2nd, R. C. Ruddick; 3rd, Samuel Osborne.

Driving colt, 1 year old--1st, R. C. Ruddick; 2nd, Wm. Burchill.

Trotting horse--1st, R. C. Ruddick; 2nd, Wm. Burchill; 3rd, Arthur Mosher.

Cattle--Judge, Gilbert Upham, Hardingville.

Ayrshire bull--1st, A. W. Fowles.

Ayrshire cow--1st, J. A. Floyd.

Ayrshire heifer, 2 years old--1st, J. A. Floyd.

Ayrshire heifer calf--1st, J. A. Floyd.

Jersey cow--1st, W. A. Campbell; 2nd, Arthur Mosher; 3rd, E. S. Hatfield.

Jersey heifer, 1 year old--1st, Arthur Mosher.

Jersey heifer calf--1st, Arthur Mosher.

Ayrshire grade cow--1st, Cudlip Miller, Jr.; 2nd, Mrs. Jane Ingraham; 3rd, C. F. Black.

Ayrshire grade cow, 2 years old--1st, M. R. Daly; 2nd, S. J. Shanklin; 3rd, Isaac Mosher.

Ayrshire grade heifer, 1 year old--1st, Geo. Mosher; 2nd, Cudlip Miller.

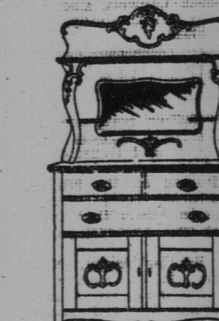
Ayrshire grade heifer, 1 year old--1st, Geo. Mosher; 2nd, Ben Black; 3rd, John Howard.

Ayrshire grade heifer calf--1st, M. R. Daly; 2nd, Mrs. Jane Ingraham; 3rd, Isaac Mosher.

A Bargain in Dining Room Furniture.

We are now offering some special values in Dining Room Suits, and quote below one of our leaders:

This suit, though low in price, is not of the cheap variety, but is well made, substantially built, of excellent finish, and thoroughly reliable. The Mirror in Sideboard is not of the wavy class but is a perfect Mirror plate. This suit will give perfect satisfaction.



\$15.00

SIDEBOARD--Oak, golden finish, length 44 inches; Mirror 12x20 inches, bevel edge.

\$6.00

EXTENSION TABLE of Hardwood, golden finish, top in 3 feet 4 inches square and extends 6 feet.

\$1.35

Suit

\$28 60--packed ready for shipment.

\$14 80

Sideboard

\$6 00

Extension Table

\$8 10

Six Chairs at \$1.35

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