

Carleton Place Herald (Established 1850).

Published every TUESDAY MORNING at the Office of the Proprietors, Bridge Street, Carleton Place (next door to Post Office).

SUBSCRIPTION PRICES—In Canada, One Dollar a Year, payable in Advance; \$1.50 if not so paid. To United States, \$1.50 per year, payable in advance.

ADVERTISING RATES—Transient advertisements 10 cts. per nonpareil line for first insertion; 5 cts. per line for each subsequent insertion.

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NOTICE—All copy for changes of advertisements should be in on Saturday evening, or not later than 9 o'clock on Monday morning.

A file of this paper may be seen at McKim's Advertising Agency, Montreal, and at Gibbons Agency, Toronto.

All money letters should be registered, and all correspondence addressed to THE HERALD, Carleton Place, Ont.

FOR THE SAKE OF THE TREES.

- 1. Don't throw your match away until you are sure it is out. 2. Don't drop cigarette or cigar butts until the glow is extinguished. 3. Don't knock out your pipe ashes while hot or where they will fall into dry leaves or other inflammable material.

A Bulletin on Swine Raising.

The second edition of Bulletin No. 17 of the Federal live stock branch, entitled Swine Husbandry in Canada, has been issued, and may be had on application to the Publications Branch of the Department of Agriculture at Ottawa.

Our Duty to the Blind.

From Vienna, from Paris and from Montreal come reports of arrangements that have been made for the assistance and instruction of soldiers blinded in the war.

"Rough on Rats" clears out Rats, Mice, etc. Don't Die in the House. 15c. and 25c. at Drug and Country Stores.

RAILWAY ENGINES

Speed of Fast Locomotives and How It is Attained.

BIG WHEELS A NECESSITY.

But Equally Important Are the Steam Valves, the Grates in the Firebox and the Ability to Make Steam Rapidly, Other Vital Factors.

The average person thinks that the bigger the locomotive and the greater the diameter of its driving wheels the faster it will go, and in the popular mind these are the only reasons one engine can "run faster" than another.

The locomotive, although one of the simplest and best known of machines, embodies numerous devices not visible to the eye of the casual observer which are most vital elements in its efficiency and speed.

Fast engines, to continue their work for a long time at a stretch, must make steam very rapidly. To accomplish this the heat of the fire must come in contact with the water at a great many points.

However, as the influence of the weight is varied by the centrifugal force, which, in turn, is greater or less according as the speed is high or low, it happens that a counterweight which is suitable at a speed of forty or fifty miles an hour produces an injurious "pound" on the rails at seventy-five miles an hour.

So to use an engine successfully at the highest speed it is necessary to make the counterweight lighter than would be correct for moderate speeds.

Properly proportioned valve openings are absolutely essential to a fast engine. These admit the steam to the opposite ends of the cylinder alternately, as the connecting rod moves first forward and then backward, and in a fast engine they must admit a large volume of steam very quickly.

It will be noticed by even the most casual observer that the opening to let the steam out of the cylinders into the smokestack is several times as large as that for admitting the "live" steam. But even with this it requires a considerable amount of power to force the steam out with sufficient quickness. This must be done in the fraction of a second.

There are many engines that can get steam into the cylinders quickly enough and that are otherwise all right for high speed, but which are not so arranged to get rid of this steam which has been used and is only in the way.

No pain, no palm; no thorns, no throne; no gall, no glory; no cross, no crown.

GOOD MANNERS.

Little Acts That Speak Aloud About a Person's Breeding.

It is always the merest trifles rather than the big things of life which indicate the manners and tastes of the average person, says a writer in the London Chronicle.

It is just as grave a mistake to be too polite as to be abominably rude. The painstakingly polite person is very trying to encounter, for extremes often meet, and he generally succeeds in being actually ill bred.

On the other hand, a woman requires to be just as careful of her manners. It is very exciting no doubt to talk loudly and initiate casual hearers into the mysteries of an intimate conversation with another woman.

It is usually either nervousness or thoughtlessness that prompts a woman to display her worst side to the world. She will take a seat that is offered to her in a crowded car without a word of thanks or else will make the chivalrous person feel still more embarrassed by a quick and emphatic refusal to profit by his generosity.

Ives and a Billiard Ball.

The late Frank C. Ives, the great billiardist, was very proud of the peculiar strength of his right arm.

Bob Fitzsimmons, who was credited with striking a blow that was compared to the kick of a mule, could barely touch nine cushions, while Jim Corbett made about eight, yet Ives weighed only about 145 pounds at the time.—New York Journal.

Love, Life and Eugenics.

Suppose the eugenists could have their way and banish love, who would care to live? What purpose would life have? It would have none.

Liked the Quarters.

A passenger in a Pullman car was inclined to be rather friendly with the porter, but had not as yet given him any tip.

Sometimes They Come True.

First Tramp (musingly)—Do you know, pard, they say dreams never come true? Second Tramp—They do sometimes. When I was a kid I used to dream of the time I could wear long pants. I wear them now all right, and nobody ever wore them any longer.—Brunonian.

Washing the Dishes.

"Yes, some of us fellows keep house at the fraternity home." "Don't you hate to wash dishes?" "We don't have to. We have plenty of candidates for the fraternity, and dish washing is great as an initiation stunt."—Louisville Courier-Journal.

It's Mutual.

"Where shall we go?" "Let's visit the Joneses." "But they have no children, and our Willie doesn't like them." "Well, it's a standoff. They don't like our Willie either."—Baltimore American.

Left at the Post, So to Speak.

"He was a loyal employee of the post-office for thirty-one years." "Faithful to the letter."—Philadelphia Ledger.

SUMMARY OF NEWS.

Rain and wind did much damage to crops throughout Ontario. Jarrett Furlong of Norwich died at the age of a hundred and two.

A Belgian steamer was sunk by the Germans and her crew was rescued. Forty-six British steamers were sunk by German submarines during July.

Great Britain has refused to allow any more of her coal to reach her allies. Another British steamer was sunk by the Germans and several lives were lost.

So far about \$4,500,000 has been subscribed in the British Empire for the relief of the Belgians.

A suggestion was made by Germans to curb the making of munitions for the allies in the United States. Five thousand women petitioned Viscount Buxton, Governor of South Africa, to release General De Wet.

Western Ontario crops have been flattened out by the heavy rain and wind. Losses will be heavy. Molybdenum is now being treated in the Orléans smelter, not having been smelted in Canada heretofore.

Rumania will ship her surplus cereals to Germany but will not, it is said, allow munitions to pass through to Turkey. Over 6,000 Teutons are now interned in Canada, most of them in two camps in the North. They are well behaved.

Canadian trade decreased about \$159,000,000 during the year ending with June, as compared with the previous year.

Two hundred German daily newspapers and periodicals ceased publication on Aug. 1st. Scores of papers had failed previously. The Warsaw University and High Courts of Justice were moved to Moscow on July 22, there to remain "until further notice."

Dr. Seitz has sent in his apology to the Kaiser for losing South Africa. His forces were surrounded and cut off from supplies by Botha's troops.

A German correspondent testifies to the bravery and effectiveness of the Italian infantry and artillery. The slaughter eclipses Ypres, he says.

Erie, Pa., under five feet of water, 20 lives lost, \$3,000,000 damage done, factories and houses swept away, was the chief sufferer from last Tuesday's storm.

Hon. T. H. Johnson, speaking at Winnipeg to the C.P.R. shops workmen at a noon meeting, revealed that the overpayment to Kelly & Sons by the Roblin Government was now shown to be more than one million dollars.

Campers and others are apt to be careless regarding the wearing of damp or wet clothing. This practice is conducive to rheumatism and other ills. Care should be taken to have clothing and beds thoroughly dry and well aired.

To Feel Right, Breathe Right.

Deep breathing is the greatest known beautifier and equalizer of bodily conditions; it reduces superfluous flesh and adds flesh if one is thin. In short, develops the body normally and symmetrically.

To breathe deeply one must learn to fill the lungs to their capacity. There are three positions for practising deep breathing. Stand erect, with both heels together and place one hand on the chest and the other hand on the middle of the back.

Next, stand erect with both heels together and place both hands upon the chest. Draw ten long deep breaths.

Once more stand erect and with both hands upon the hips, throw back the shoulders and inhale and exhale ten times.

Practise deep breathing in walking. Draw in a deep breath and exhale slowly. One can walk four or five steps while inhaling and the same distance while exhaling. With practice this becomes second nature.

Perfect Tea must be used for a perfectly satisfactory infusion.



Tea is the acme of perfection, being all pure, delicious tea. Black, Mixed or Green.

Still Waiting.

The visitor watched the old angler who for some considerable time had been fishing without the slightest success.

"How are the fish in these parts?" at length asked the visitor.

"Well," replied the aged one grimly, "I really can't say. I've dropped them a line every day for a week, but I've got no reply yet."

Opening of Blakeney Bridge.

The County of Lanark officially opened the new bridge at Blakeney yesterday afternoon at two o'clock.

The first rig to pass over the bridge after it was declared open for traffic was Mr. George Pepper's "Saxon." The ceremonies attending the opening were carried out under the supervision of Mr. E. Scott, Chairman of the Roads and Bridges Committee.

A procession of motor cars and other rigs was formed and passed over the bridge. Assembling in front of Mr. Fenelon's, Blakeney House, the visitors listened to addresses by Mr. Wm. McKibbin, reeve of Pakenham; Mr. John Oates, ex reeve of Ramsay; Mr. Wm. Thoburn, M. P.; Mr. John McArthur, reeve of Ramsay, and Mr. C. M. Forbes, Warden of the county.

The keynote of all these addresses was progress and development. The Blakeney bridge is the fourth that has spanned the Mississippi at this point. Its predecessor was a wooden bridge, now we have concrete and steel. Built by the Ontario Bridge Co. under the direct supervision of Mr. J. H. Button engineer Mr. Frank Patterson, of Ottawa this new girder bridge is 310 feet long and 16 feet wide.

The abutments, six in number, and two piers are of concrete. A special arrangement of wing walls is designed to lessen the tendency to injury from ice flows. The bridge level is 10 feet above the water. It is floored with cement and carries along its entire length a six-inch curb and pipe-hand-railing. The total cost is \$9,300.

A pleasing feature of the ceremonies was the graceful, chrestening of the bridge by Governor Oates. And its name shall be "Scott Bridge," declared the Governor, to which there was enthusiastic and universal consent in token of the earnest and efficient work done by Mr. Scott in connection with the planning and building.—Lanark Era.

Past Neglect of Forests.

The future forest industries, which are almost the only industries possible on three-fifths of the area of Eastern Canada, must be supported by the timber grown on the logged-over and burned-over non-agricultural lands.

Looking at these lands we should see not wastes, holding no promise for the future, but productive lands, needing only protection from fire to enable them to support logging camps, pulp mills, rural and industrial communities of a type which has done much for Canada.

If the young forest growth on the non-agricultural lands of Eastern Canada had been protected from fire during the past twenty years, railways would not now be importing railway ties, and saw-mills in Western Ontario, each the centre of a thriving community, would now be supplying the markets with lumber, which, because of lack of forest protection in the past, is being supplied from British Columbia and the United States.—H.R.M. in Conservation.

Fine Harness

We make Harness of all qualities and prices, and for value they Cannot Be Beaten!

Also a fine assortment of TRUNKS, VALISES, TELESCOPES and SUIT CASES.

When you are needing any of these Goods, give us a call.

FERGUSON & SMYTHE TAYLOR'S BLOCK.

TOILET PAPER

IN ROLLS OR PACKAGES.

Now that the Water Works Service is beginning it is necessary to use the proper Paper to prevent clogging in the Sewer Pipes.

We carry this Paper in stock at all times.

THE HERALD OFFICE.

Advertisement for Chamberlain's Tablets, featuring a woman's face and text: "Many women with disfigured complexions never seem to think that they need an occasional cleansing inside as well as outside."

Buy the Modern Way Direct from Page

(FREIGHT PAID) You want the BEST FENCE at the LOWEST PRICE The biggest real value for your money.

THEN—WHY go to the dealer? He doesn't make fence. He only sells it. You pay him a profit—but he can't add a cent to the WORTH of your fence. He only adds to its cost.

PRICE LIST table with columns for No. of bars, Height, Spacing, Price in Old Ontario, and Special Fence details.

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"PAGE FENCES WEAR BEST"