

Scenes at Wilder's Lake, Near Durham



Edison Storage B Batteries

By R. M. SHERRILL (Radio Engineer)

The storage battery has long been used for lighting filaments in radio work, and now it is rapidly coming into use as an improvement on the dry cell B battery.

The storage B battery improves the operation of the receiving set as it eliminates the noises which are often produced by the dry cell types.

battery is almost unlimited. The lead type batteries have, even with the best of care, a life of but a few years.

2. The Edison storage battery will stand all kinds of abuse, misuse and lack of care without being seriously damaged. It may stand indefinitely without being charged; it may be charged way above the normal rate; it may be overcharged, or it may be short-circuited. Any of the above points would permanently damage a lead storage battery.

3. The plates for a regular Edison storage battery are made up of a

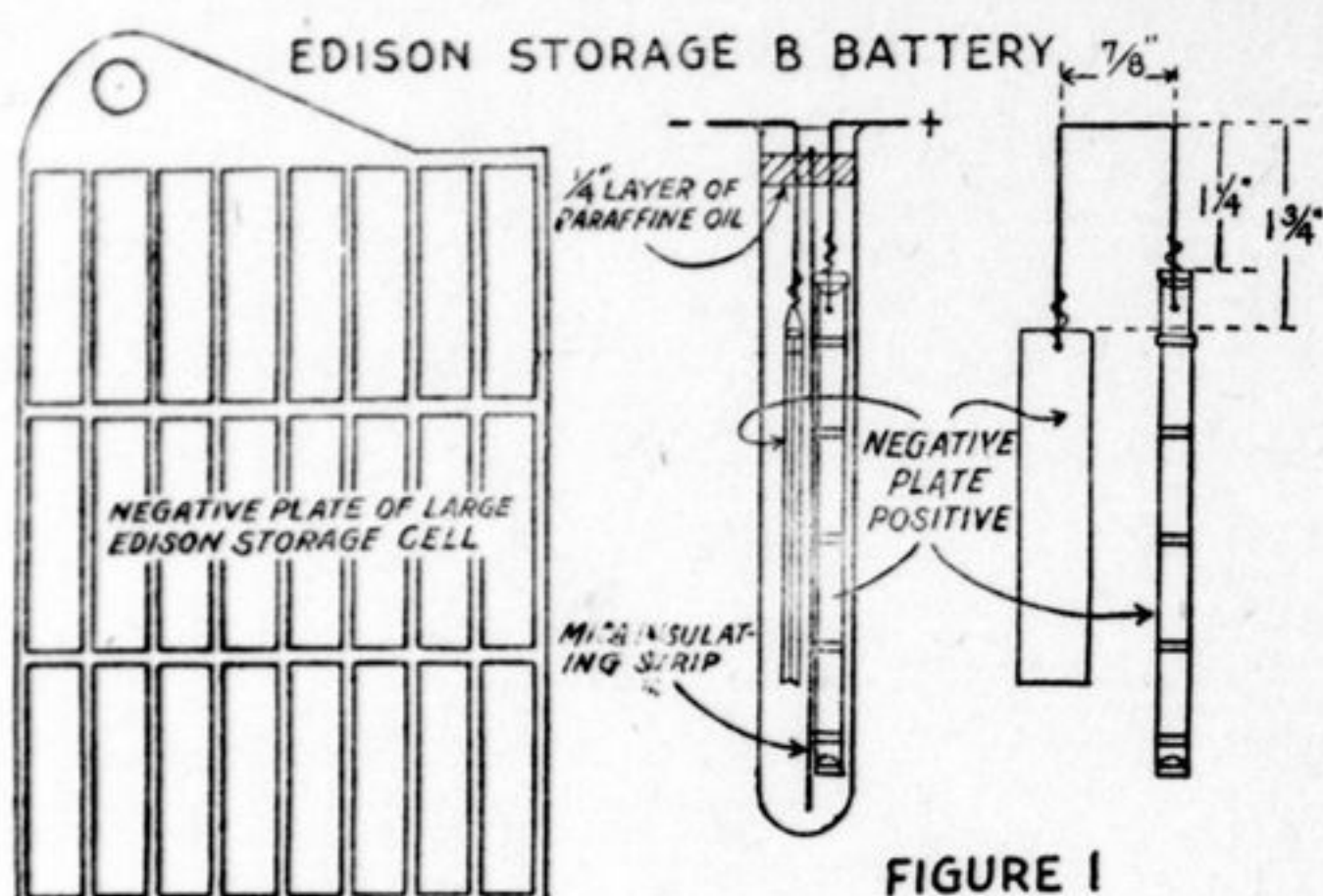


FIGURE 1

a simply constructed home-made charger. An overnight charging about once a month is usually all that is needed to keep the battery in operating condition.

There are two types of storage batteries in general use. One is the lead cell, which uses sulphuric acid as the electrolyte. The second type is the Edison cell which uses specially prepared plates of nickel oxide and an alkali electrolyte.

Edison Batteries Superior In spite of the fact that the lead batteries give a greater voltage per cell than the Edison, the Edison type is superior for use as a B battery, as shown by the following points:

1. The life of an Edison storage

number of small units banded together, (see Fig. 1) and these units are of such a size that a pair will conveniently fit into a 3/16-inch test tube. Thus it is possible to group enough of these cells for a 48-volt battery into a comparatively small space.

The Edison elements are now quite regularly advertised in radio magazines, and generally sell at about 5 cents a pair. They may be also obtained from Edison battery service stations. Figure 1 shows one of the negative plates of a large Edison battery.

As is shown, the plate contains 24 units, each of which may be used as the negative plate of a storage B battery cell. The positive plate is made up in a like manner of a number of tubular units. Figure 1 also shows how the positive and negative units should be wired together, and how they should fit into the test tube.

(Part two, with the remainder of the constructional details, will be published in our next issue.)

RADIO QUESTIONS AND ANSWERS

Mr. Sherrill will be glad to help you solve your radio problems. Write him, care of The Durham Chronicle.

N. D. S. says: "I have an old storage battery on which the polarity markings are not legible. How can I tell which terminal is the positive, and which the negative?"

G. O. McA. asks: "After a crystal detector has become old, is there any way of cleaning it to restore its

sensitivity. Ans.—The only way to get better sensitivity from the old crystal is to break it open and get a new surface for the contact point.

L. E. E. says: "I am using one 2V20A and one Western Electric 216A tubes in my two step amplifier. Is it possible to use a single C battery for both of these tubes."

Ans.—It is probably possible, but it would be better, and easier to adjust, if separate C batteries were used.

Traverston.

(Our own Correspondent.) The New Year is away to a good start, and the days are noticeably longer.

After a happy sojourn at her home near Chesley, Miss E. J. Allan returned on Saturday evening and on Monday threw open the door of No. 5 to find it all scrubbed white and clean.

At the annual meeting of the ratepayers of No. 5 on Wednesday of last week, Mr. J. J. Peart was elected Trustee for the ensuing three years.

Mr. Albert Teeter delivered two head of specially well-finished beef cattle in Durham on Friday last to Mr. Arnold Noble.

Miss Cassie Ryan returned to her position in Simpson's at the close of the week after spending a pleasant fortnight at the old home on the 5th.

Rev. J. E. Peters had a fine, thoughtful message for Zionites on Sunday.

Mr. and Mrs. Joseph Lennox of Egremont and their bright, twin daughters visited relatives on the 10th Concession on Saturday.

After cutting up piles of wood for a goodly number of people, Mr. Oren Peart left for Detroit on Saturday, purposing to spend the winter there. Oren is an extra good workman.

This has been quite a lively house

for the past two weeks; but on Saturday William returned to his studies at Riverdale College Inst. in Toronto, Spenser, Keith and Mina left for Detroit, the former two to resume positions in Ford's, the latter to spend some holidays with kindred there.

After spending a most enjoyable fortnight's holidays at grandpa Firth's at Zion's Corners, Misses Elsie and Isabel Mays returned to their home in Guelph on Monday morning.

News has just reached us that Mrs. George Firmeaux, who with her husband has been visiting at Mr. Hy. Beaton's for a couple of weeks, had to have medical aid called in on Saturday as she suffered from a hemorrhage.

One of the most enjoyable events of this neighborhood for some months was the party held at the home of Mr. Basil Davis on Friday evening last. About forty young people were present, and there was music, games, and a variety of other amusements.

Mr. Bryson Morlock, and chording on the organ. Miss Jennie Davis is one of the best cooks in the township, so the feasting was extra good. Misses Hazel and Gladys Firth, nieces, were the prime movers in this very happy event.

'Twas but lately we heard of the loss of Mr. John Laughlin's pigpen and henery on the 10th Concession with the loss of all the poultry. Mr. Ernest Webster, who got home from Zion's concert about midnight, man-

Through the courtesy of Forest and Outdoors, the official organ of the Commission of Conservation, we are this week enabled to present our readers with the two views given above of Hon. Dr. Jamieson's preserve at Wilder's Lake.

The upper view shows South Grey's genial M.P.P. in the midst of his best loved hobby, reforestation. In the lower picture is given another view of the property inside

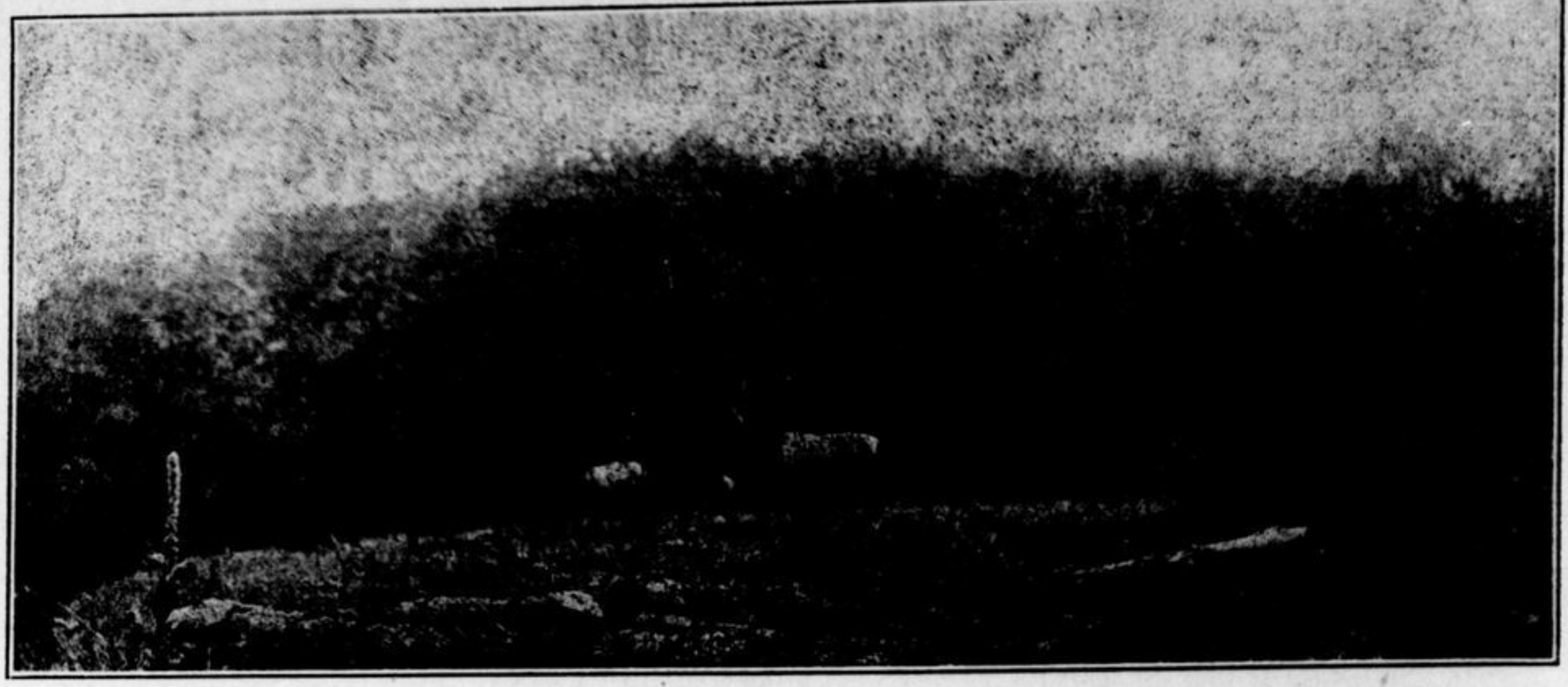
the animal enclosure, with the elk in the foreground. The baby elk, born on the premises a year ago, is shown in the centre.

Besides the elk, Dr. Jamieson has also in his natural zoo two American Prairie Bison, brought here from Wainwright, Alberta, but neither the Doctor or his photographer exhibited any desire to get into close range of these animals to take their photograph. "Billy," the deer, and "Daisy," a young fawn, are also residents of Jamieson Park, as well

as English ring-necked pheasants and Belgian hare. While interested in his animals, and liberally providing for them during the hard months, Dr. Jamieson's great interest is in his young pine, walnut, butternut and other trees, thousands of which he has had planted out during the past three or four years, and among which he is shown standing in the top picture.

Two or three years ago the property was made a Government sanctuary, and the carrying of fire-arms within its boundaries is prohibited by a provincial order-in-council.

The tract of land covers nearly three hundred acres and is now a mecca for visitors during the months in summer. Visitors are always made cordially welcome, the only restriction being that they are not allowed inside the animal enclosure. This restriction is made as a matter of safety for sightseers as the bison, especially, are vicious at times and not to be trifled with



aged, pluckily, to get the hogs out. It is supposed the fire originated from hot ashes being put into the dust-box.

On Saturday we paid our first visit to the Red Cross Hospital to see some old friends who are patients there and were pleased to find them all on the way to recovery. It is a bright, cheery place, in spite of the suffering, and so clean and ably managed. We expect some romances will soon attach themselves to the cosy, old spot.

SAUGEEN THREATENS SUIT Saugeen Township Council is threatening suit against Engineer F. B. James of Walkerton and David Keyes of Kincardine to collect \$67, the amount paid by the township to the Des Moines Steel Company of Chatham for work of drilling anchor holes in the cement abutments of the new McRae bridge built last year which work should have been done by Keyes who has the contract for the cement work. Engineer James, who was engaged by the council to superintend the work, passed Keyes' contract, and the council, with the understanding that said contract had been fulfilled, paid Keyes for same. When the Steel Company's men arrived to erect the frame work, they found no anchor holes in the abutments and being ready to proceed with the work, drilled them themselves, a job which entailed a great deal more labor than had Keyes put wooden plugs into the concrete before it had set and then drilled out the plugs. The Steel Company billed the township for the extra work and a short time ago Keyes of Kincardine has refused to assume this bill for \$67, as does also Engineer James who was paid \$500 by the township to see that the

work was done according to the contract, the council in special session on Monday passed a motion that the Steel Company be paid and will report to the courts if need be to recover same from James or Keyes or both.—Port Elgin Times.

THE STALLS REMOVED Just before Christmas the stalls in the Chinese restaurant were taken down, and in future passers-by may ascertain whether the racket is due to a heavy drain on the soup dish, or only the crunching of celery stalks.

Complaint had been made by the Chief of Police that some depraved mortals had taken bottles of alcohol into the stalls, added the contents in the bottles of pop, and then poured the jizzed pop over their heads, where it infused them with the idea that they had a jag on. His recommendation was that the stalls be eliminated, with a view to putting a stop to law-breaking on the premises—to which the celestial proprietors may not be charged with being accomplices.

On Christmas eve the restaurant was observed to become the goal of several hilarious individuals who may have had a jag on—or may only have been under the influence

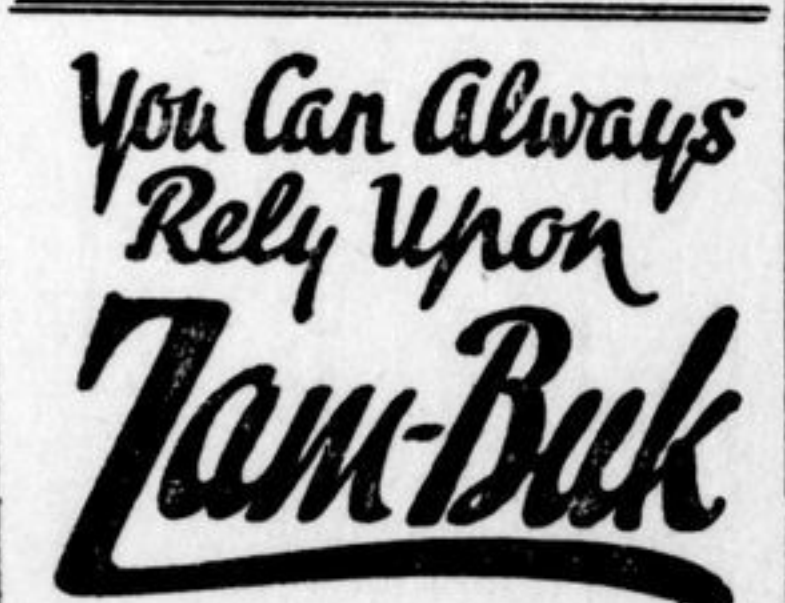
(in a peculiar manner) of the Christmas spirit!—Meaford Mirror.

DUNDALK COURIER REMEMBERED BY PATRONS Mr. John Bradley, rural mail courier on Dundalk, R.R. 2, received a pleasant Christmas surprise when some of his boxholders presented him with a foot-warmer and letter of appreciation.—Dundalk Herald.

Fleshert (Our own Correspondent) celebrated its 62nd anniversary a successful Year's night. This had many successful features and on this occasion good reputation for crowd, in New Year weather, was favorably noted and the church was a large audience. The tea was given after winter, Rev. H. H. Eaton, D.D. and conducted an excellent program consisted of a variety of songs, and a large number of participants. Miss Mabel Alma Swift as "Canada" and Miss H. as "Love" interpreted very well and looked pretty in their character costumes. The program of the National Anthem, of the tea amounted to a marriage of interest that of a well-known Miss Mabel Alma Swift daughter of Mr. and Mrs. of Toronto who was joined to Dr. Robert C. Sled, who died on the 28th place to Fisherton, on Tuesday of last week and attended by sympathizers of the bereft husband and boys. Service was held at St. Paul's Church conducted by Rev. H. H. Eaton, with an appropriate sermon which was officiated at the pallbearers were Messrs. Messrs. Fred Brown, Peaton, J. A. Lever, Robert W. J. and Charles Stewart. The floral tributes were the husband and children's sister, Mrs. Albert British Columbia; Mr. and Holland; the neighbors of onto Line; the Methodist

A \$10,000.00 CONTEST

The capital prize in a big contest now being conducted by the Family Herald and Weekly Star of Montreal is five thousand dollars cash and there are also scores of other cash prizes to a total value of ten thousand dollars. It is announced that each subscriber to the Family Herald whose subscription is received before the contest closes, will receive a free entry as well as a beautiful art calendar and picture. This generous offer has resulted in a record-breaking rush of subscriptions to this popular weekly, and the publishers are warning their old subscribers to renew early and avoid disappointments. The Family Herald grows better and better. It is a marvel of value.



Because it ensures swift, clean, antiseptic healing in cuts, bruises, burns, scalds, etc. Because it dispels irritation, allays pain and inflammation, reduces swellings, and kills the germs of festering and blood-poisoning. Because it quickly grows new healthy skin where injury or disease has damaged or destroyed the tissues. Because owing to its purely herbal origin Zam-Buk is safer than, and superior to, any fatty pore-clogging ointment or salve containing crude mineral drugs. For its wide range of usefulness and its instant healing power in skin ailments and injuries Zam-Buk is known as "a Surgery in a Two-inch Box." All dealers. 50c box. 3 for \$1.25. GET A BOX TO DAY!

Advertisement for McComb's department store. Includes phone number 52, 'Steady Savings' and 'Quality Goods' boxes, and a list of merchandise such as 'Dry Goods Specials', 'Special Prices on All Kinds of Hosiery This Week', and 'Fresh Groceries Always'. The store is located at 'The Home of GOOD GOODS at LOW PRICES'.

It is a long way from launching of the Princess Kathleen Brown and Company business, traffic and industry of the other the Princess Marg shortly. During the trip to the "land of Vancouver has attracted parts of the world. industrial and commercial vast natural resources have established themselves round them, each of development of the Yukon, so that, especially when the big game-constant coming and by the "Inland Pass" Next Year there will more frequent will recruit from here with

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