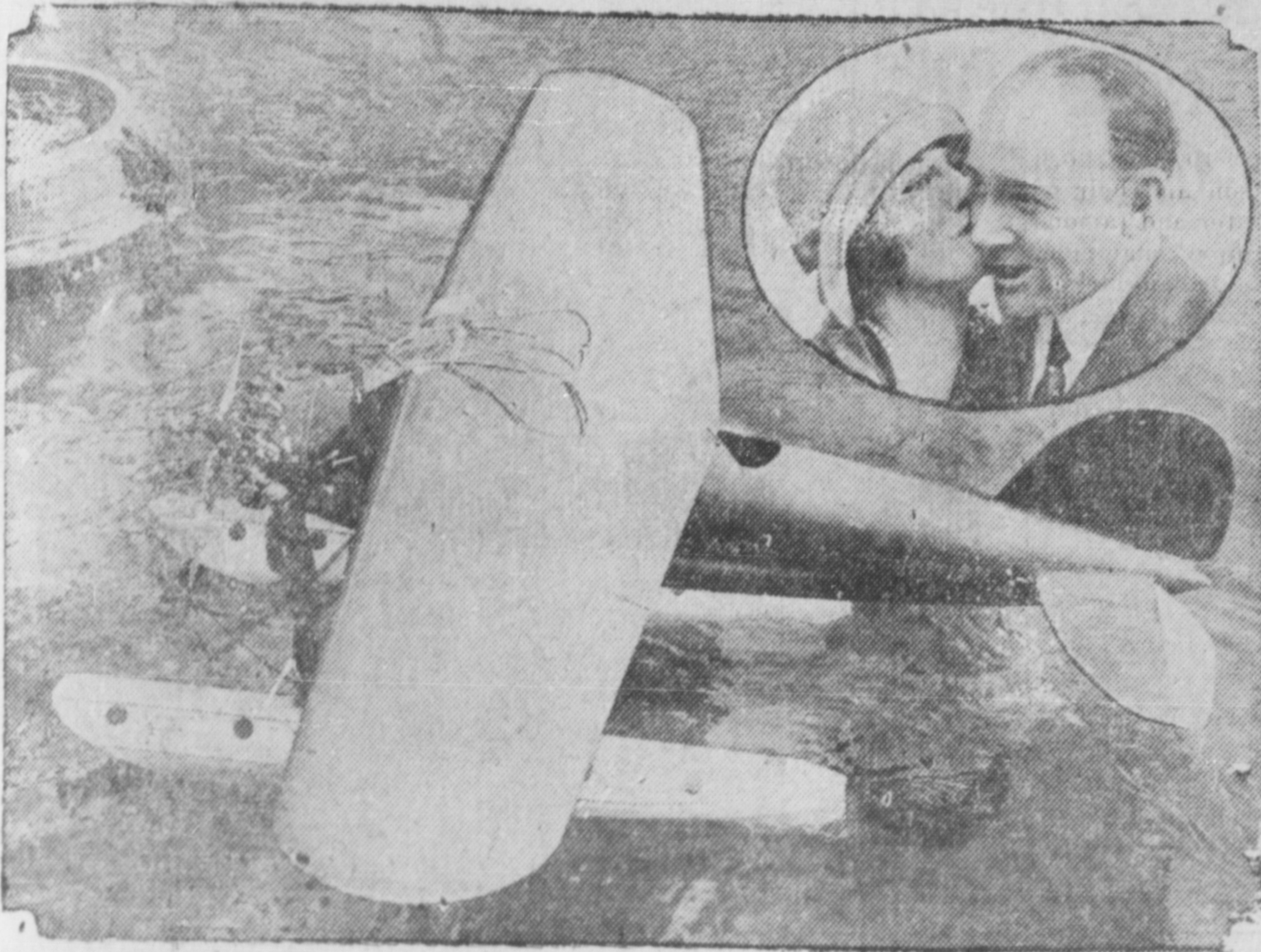


PRINCIPALS IN SOUTH POLE ROMANCE



You can't blame pretty Suzanne Bennett, well-known actress, for falling in love with the courageous Captain Sir George H. Wilkins, polar explorer, but hers will be no easy role during the year he plans to remain in the Antarctic. Above is one of Wilkins' planes just before it was taken aboard his ship, S.S. Southern Cross, for Montevideo; inset, Miss Bennett bidding Wilkins farewell.

News of the Mines

AROUND PRINCE RUPERT
Big Things Expected at Duthie Mine; Lay Predicts Prosperous Future for Interior Mining; Dunwell to Be Worked Again

Great things are expected of the Duthie mine following the taking over of controlling interest in that property by two large companies of eastern Canada—the Atlas Exploration Co. and the Mining Issues Corporation Ltd. All provisions of the agreement are now in effect and Major C. B. North has taken personal charge for the new interests. The mill at the mine has been closed and will remain idle for approximately three months, while all miners will be employed on the program of exploration and blocking out ore. The plan is to open up ore reserves in addition to those already established, so the mill may be operated to its full increased capacity. Work will proceed on the electrification of the new plant and the motorization of the machinery. Work on the construction of new camp buildings is practically completed. The interests which have taken control of the mine now are highly pleased with development work that has been done to date. The capital of Duthie Mines, Ltd., has been increased to \$2,000,000. J. F. Duthie retains his interest in the company, of which he will remain president, with C. A. Banks managing director.

In summing up the mining development in the central interior district during the past year, Douglas Lay, resident mining engineer, states that the district may well look forward to a very prosperous future. Just before he made his preliminary annual report to the government, Mr. Lay visited all properties in the district and found they all gave encouragement to those working them. During the year much ore has been developed in the district and there are a number of mines in the making. The past year had been a big one from the production standpoint in the interior and has been by far the biggest year in development and prospecting. There is every evidence that the interior will soon be an important producer of various metals, as several big companies are becoming interested.

R. H. Stewart, H. L. Batten and associates have issued a re-investigation on the Bitter Creek Mines, Ltd., consisting of 10 claims located near the headwaters of Bitter Creek. There are interesting commercial possibilities, the report states, further prospecting of which is justified on the part of the Marmot Metals, which has taken an option on the property. A sample of high grade taken from one part of the mine shows values of 0.05 ounces gold, 392 ounces silver, 1.3 per cent copper, 34.2 per cent lead and 19 per cent zinc. Another sample assays .08 ounces gold, 138 ounces silver, 1.2 per cent copper, 15.4 per cent lead and 3.7 per cent zinc. Further economic ore shoots near this high-grade zone are anticipated. The report also deals favorably with the Blair Hill property, which has also been acquired by Marmot Metals. High silver values, considered in conjunction with low copper and comparatively low lead, indicate strongly the presence of silver minerals on this property, the report says.

Aerial transportation may play a part this year in mining activities in the Stikine district. Many mining men wish to arrive at their workings on Gold Pan, Dease, Thibert and McDames Creek at a time of the year when land travel is very difficult, being too late for dog teams and too early for auto and pack trains. Such men the plane would be in a position to serve.

R. M. Stewart, president of the Dunwell Mines, states testing out of the ore bodies on the property indicated by last season's radiol (electrical prospecting) tests will start this season, probably about the first of May, when diamond drilling will be carried out. The financing for the work is to be carried out by a number of the directors of the company, assuming the responsibility without any charge against the finances of the company. Mr. Stewart, at the annual meeting in Victoria recently was re-elected president of the company, while the old director were re-elected with the exception of Capt. George McGregor, whose place is being taken by J. L. White.

John F. Coates, who had charge of the George River property at Stewart last summer, has been retained as consulting engineer by the Pacific Copper Mines Ltd. and will soon make an examination of the company's property at Seche Inlet. Mr. Coates was formerly identified with the Granby Co.

At the Termus mine at Stewart a 22-foot dyke has been pierced and the vein struck on the far side of it. The vein has been drilled 11 feet into without reaching the far wall. The ore is quartz with grey copper and galena of unknown values. The rock is so hard that on some occasions it has been possible to drill only 18 inches in eight hours.

FIRST AID

Sentimental Schuster—Six times I have advertised that a lonely maiden seeks light and warmth in her life, and at last I have got a reply—from the gas company.—Meggendorfer Blaetter.

TELLS ABOUT WAR INVENTION

How Mine Barrage Was Discovered That Was Built From England to Norway

NEW YORK, Jan. 10.—The New York Times quotes Governor-elect Franklin D. Roosevelt of New York State, as revealing how a crank inventor during the World War solved the problem of laying an effective mine barrage against German submarines.

Mr. Roosevelt, who was Assistant Secretary of the Navy during the war, made his disclosure in an informal address before the Poughkeepsie, N.Y. post of the American Legion.

A problem that America and the Allies were vainly seeking to solve, said Mr. Roosevelt, was of exploding mines by electrical contact with a hostile vessel. The older type of mine was ineffective as it was impossible to place them close enough together to present an effective barrier without heavy seas causing them to knock against each other and explode.

"For a long time," he said "there was a lot of investigation to find some way to connect the mines by cable, or some other link, and construct the barrage so that any submarine hitting any position of this barrier would find itself in grief. Nobody seemed to be able to hit upon the right thing."

One day early in 1918, he said, a man of the typical "crank inventor" type, walked into his office with an invention. He said he tried to send him to the A. Department of the navy that had been created for the passing upon "crank" inventions but the man insisted upon knowing his model.

"He presented an intricate affair with a lot of nets, which was but the same thing many other people had suggested for cutting over the mouth of a harbor to enclose submarines. I was about to cast the whole thing aside when he pointed to models of mines attached to the nets. I asked him what they were. And then he told me he had a practical plan for exploding the mine by electrical contact if a vessel touched any part of the entire machinery."

Mr. Roosevelt said he called in Admiral Earle who at first was sceptical but later was won over by the idea. Out of the inventor's pen was created the "antennae" type of mine barrage which was laid from England to Norway and which was effective in protecting many convoys of American troops and sank at least 20 submarines.

The inventor, whose name he withheld, wanted \$10,000,000 for his invention, said Mr. Roosevelt, but he understood he finally received \$100,000.

AN UPSTANDING EXCUSE

Mother (at dinner table)—ohhny, are you sure you washed your face? It does not look like that when I wash it.
Johnny—Well, Mother, if I rubbed it as hard as you do I'd wash myself over.—Answers.

Piles QUICKLY BANISHED

"I suffered years of agony through blind itching piles," says Mrs. W. Hughes, of Hochelaga St., Montreal. "Pain, loss of strength, complete misery, was my daily lot until I came across Zam-Buk. I know now that there is nothing on earth to equal this grand herbal healer. Since it lifted me from misery my earnest wish is to make Zam-Buk known to all sufferers."

Moves Pain Like Magic!

Zam-Buk NATURE'S HERBAL BALM

The New Plug in!

Victor Radio Is astounding all hearers

AN instantaneous success! Conquest of the entire Dominion. Another Victor product has "registered."

Here is the fulfilment of your fondest radio dream -- one perfect type of radio -- in three beautiful models. No batteries, no useless adjuncts. Plug in, twirl the single station selector and be amazed.

Victor Talking Machine Company of Canada, Limited

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The model featured is the famous Victor Lowboy, designed specially for Victor Radio Dealers in beautifully figured and carved walnut. Equipped with the New Victor Radio, Victor Loud Speaker, eight tubes complete and "plug-in" cord, for only

\$285



For Heartening and Rousing Warmth



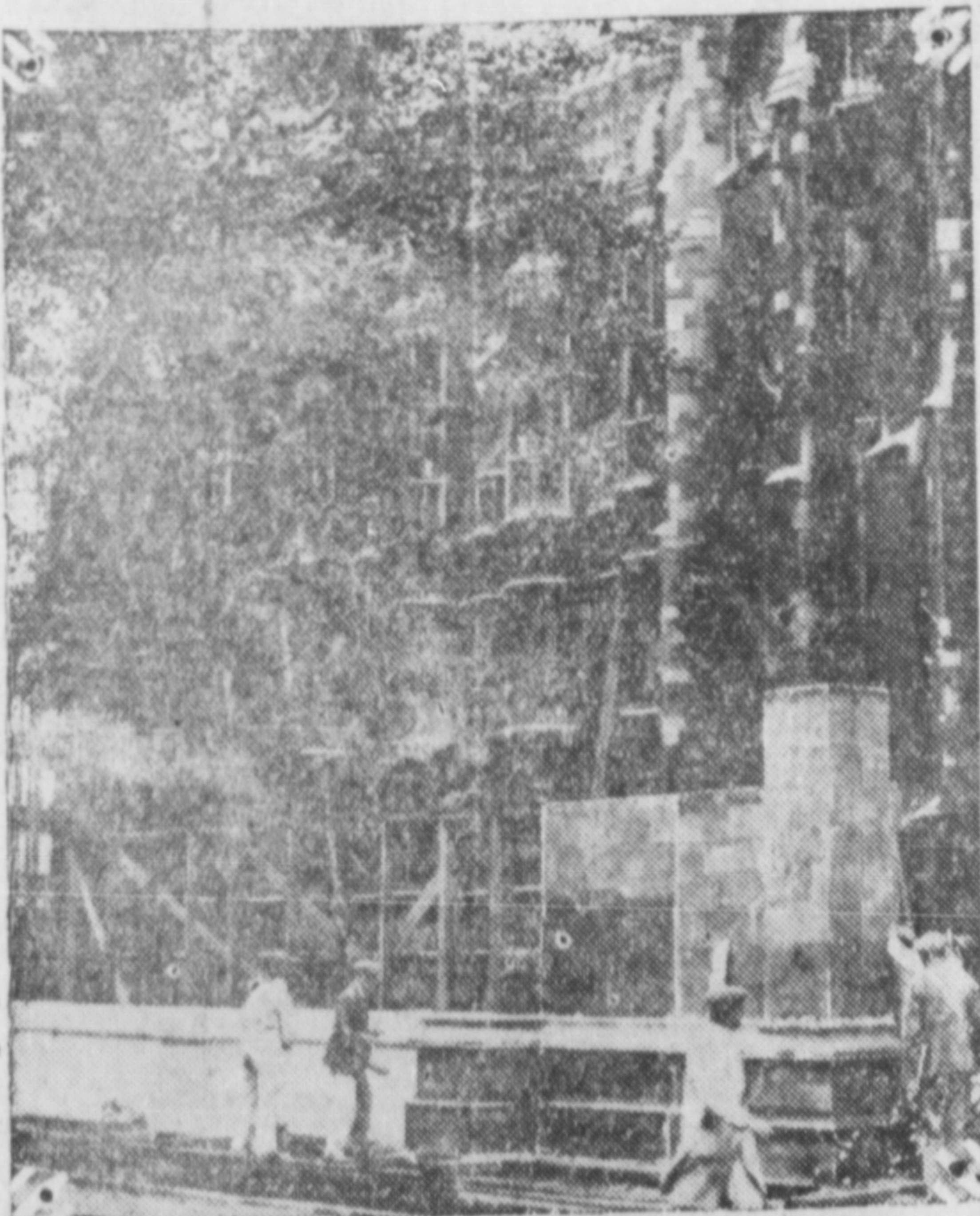
In 6-oz. Flasks and Tins of 4 and 10 Cubes.

AFTER a hard day in the open, a steaming cup of OXO is most refreshing and invigorating. The rich beef juices of OXO put warmth into your blood and new vigour into your body, and protect you against the effects of exposure and fatigue.



It's "Meat and Drink" to you.

WESTMINSTER ABBEY SACRISTY MODEL



The northwest corner of Westminster Abbey has been given over to builders and work has commenced on the lath-and-plaster model of the proposed new sacristy. The model is being erected so that the Abbey authorities can determine the general effect produced by the new sacristy, which is to house the Abbey treasures, historic robes and furnishings. The above picture shows the workmen engaged in erecting a plaster model of the new building.