POOR DOCUMENT

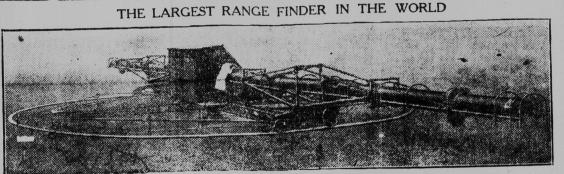
THE EVENING TIMES AND STAR, ST. JOHN, N. B., MONDAY, FEBRUARY 20, 1922

REVIEW OF THE ROSS REPORT

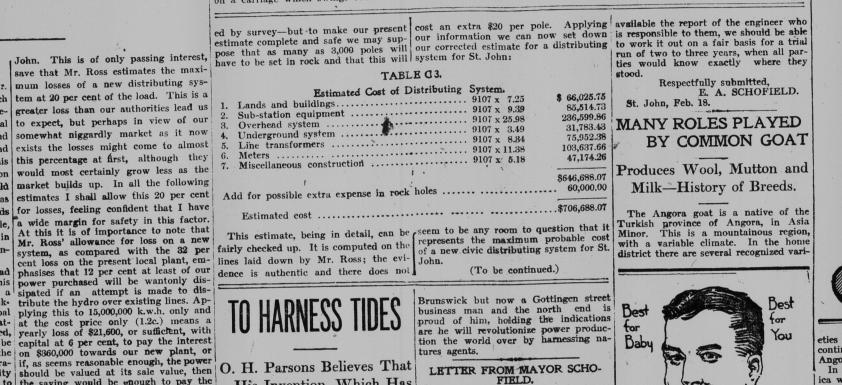
Engineer Analyzes His Statement Regarding Cost of Distributing Musquash Power and Shows That Present Rates for Light and Power Can Be Cut in Half-Backs Up His Opinion By Con- two vincing Figures.

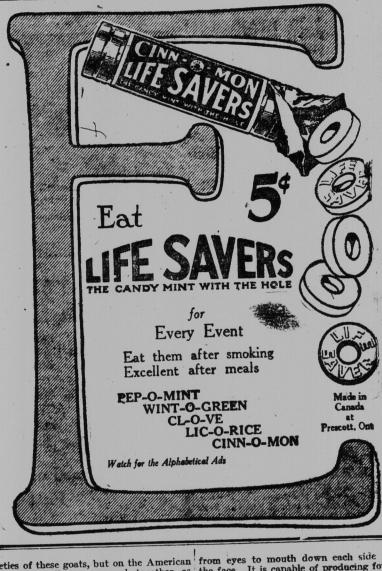
(BY HERBERT PHILLIPS.) save that Mr. Ross estimates the maxi-Part II.

mum losses of a new distributing sysand section of his report Ma Ross gives us a sort of freehand sketch tem at 20 per cent of the load. This is a of our distribution problem. It is some- greater loss than our authorities lead us what disappointing, in view of the vital to expect, but perhaps in view of our mportance of this question to us, to find somewhat niggardly market as it now t dealt with in such a haphazard and exists the losses might come to almost nconclusive manner. As it stands, this this percentage at first, although they section is of value only as an indication would most certainly grow less as the of methods which Mr. Ross thinks should market builds up. In all the following examplied to arrive at our estimates, as pointing out the authority and records which are most reliable and applicable, and as blocking out suitable forms in which the data can be arranged for in-gection and information. It might appear that the engineer had set on of the community (who were asks-ing about the possibility of municipal itstribution) that this phase of the mat-rer was talked about, if not considered, and along these lines it could hardly be repected that he would give to it the spected that he would give to it the spected that he would give to it the smands. Since we are in a possibility and thus to proceed with the enquiry re applied to arrive at our estimates, as estimates I shall allow this 20 per cent Add for possible extra expense in rock holes



scientific wonder is a giant range finder, which is capable of accurately measuring distances up to twenty-This huge instrument will be used for coast defence work in England. The tube is 100 feet long, more on a carriage which swings round on a circular track.





eties of these goats, but on the American continent all are grouped together as Angoras. In 1849 the first importation to Amer-ica was made, a gift from the Sultan of Turkey. The Angora has spread all over the United States, and there are a few in Consider ica was made, a gort has spread all over Turkey. The Angora has spread all over the United States, and there are a few in Canada.
 The fleece is known commercially as mohair. It is longer, stronger and somewhat coarser than fine wool. The fleece is light in weight, and is shed in the spring if no shorn. It should be white is a large, white goad, which is, on the average, not quite so go d a milker as the Toggenburg, although individuals sometimes exce lit.
 Use the Want Ad. Way

temands. Since we are in a position to **bind the same records as Mr. Ross** and thus to proceed with the enquiry uong the indicated lines of the report, his attitude does not seriously concern is, except that, in excusable ignorance of he controversy between the city and the x B. Power Company regarding the apital value of the latter's plant, the magineer has used such magnified factors a his illustrations that the company nay some day attempt to use them to he detriment of Mr. Ross' clients, the "To use at all times first-class, mod-

B	K.W.H. 8,670,000 16,000,000 15,000,000 21,000,000	120,000 130,000 252,000	Loss at 32 p.c. \$33,292 38,400 57,600 80,640	Loss at 20 p.c. \$20,808 24,000 36,000 50,400	Saving \$12,484 14,400 21,600 30,240	Capitalized at 6 p.c. \$208,000 240,000 360,000 504,000
4	A Present output for	light and]	power only			1

and expensive process, but fortun-ately there is a better one, as the results of actual practice are avail-

"A study of the records of the "A study of the records of the Hydro-Electric Power Commission of Ontario indicates that there are four cities, which may reasonably be used as a basis for estimating the

No one familiar with the conditions of the past five years during which these Ontario plants have been mainly built up can seriously contend that there is likely to be any increase of cost in a plant to be built up during the next five

years. With a view to a more intelligent

TABLE C L

Brantford.	Hamilton.	London.	Windsor.
nd and buildings\$ 22,051.14	\$ 93,842.46	\$ 233,862.76	\$ 13,456.88
b. station 48,359.71	101,431.55	263,548.17	57,095.41
st'n system 142,939.38	462,336.84	447,189.28	249,770.20
derground	164,185.07	11,003.39	
ne transformers 48,879.04	198,609.11	70,672.79	99,858.47
eters 56,311.33	225,195.39	182,957.14	105,864.63
reet lights, regular 17,618.64	95,837.36	30,927.41	12,404.28
reet lights, ornamental, 84,014.54		11,428.08	219,399.18
iscellaneous	143,571.41	72,862.43	17,369.14
eam plant Nil			122,341.54
d plant Nil			48,048.77
\$397,112.02	\$1,485,009.19	\$1,323.951.45	\$945.608.50
umber of consumers 4,430	20,624	14,878	10,193
	for hear murch	aged since 191	14 and right
Averaging the costs per consumers	through the	e period of h	ighest prices
various items we get:	through the	s not reasonable	to add any-
TADIEC 2	Kuown, It I	s not reasonable	liere in pre-

To the editor of The Times: Been Patented, Will Prove Sir,-As Engineer R. A. Ross is being Feasible - Quiet Tests in so freely discussed at the present time, and as I judge some writers will soon

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"At various times he has acted as con-sultant to the following bodies: The Hydro Electric Power Commission of Ontario; the Canadian Pacific Railway; the Hydro Electric Power Commission of Toronto and the great majority of the larger cities and municipalities, through-out the Dominion. His engineering work in addition to his operations in Canada has been carried on in China, India, Stait Settlements, Russia, Finland, Scotland, Australia, Jamaica and the United States. "A few years ago, when the city of Settlements, Russia, Finland, Scotland, Australia, Jamaica and the United States. "A few years ago, when the city of Montreal became involved in what is known as the "acquaduct muddle," Mr. Ross took a leading part in organizing the rate-paying engineers of the city, who were the means of educating the public to the real state of affairs and of saving the city several million dollars. "Mr. Ross for a number of years was lecturer at McGill University and is author of 'Engineering Economics.' He is a Fellow of the American Institute of Electrical Engineers, a member of the American Water Works Association, and for many years an active officer of the Engineering "Institute of Canada as councillor and vice-president. He is a member of the University Club of Mont-real and Montreal Clubs and for years has been commodore of the Royal St Lawrence Yacht Club. He has been one of the leading spirits in sailing, at which he is a well-known expert and which is his chief recreation." What I would like to see is some way arranged whereby this power may be available in addition to what we already The Mirror reflects the satisfaction of Men who tame their ----





Dance Records

Eddie Elkins' Orchestra A-3528 Eddie Elkins' Orchestra 85c Ty-Tee (Tahiti) Fox-Trot When Buddha Smiles-Fox-Trot Granny-Fox-Trot The Colu She Loves Me, She Loves Not-Medley Fox-Trot The Colu A- 3532 Dapper Dan-Fox-Trot I Want You Morning, Noon and Night Knickerbocker Orchestra t-Medley Fox-Trot Knickerbocker Orchestra A- 3533 Remember the Rose—Fox-Trot Roll on Silvery Moon—Fox-Trot Piano Duet, Banta and Hess Piano Duet, Banta and Hess A-3535 85c The Happy Six The Happy Six Stealing-Medley Fox-Trot Why Don't You Smile-Fox-Trot A-3531 85c Marie-Fox-Trot Ted Lewis and His Band A-3538 Down the Old Church Aisle-Fox-Trot Ted Lewis and His Band S5c

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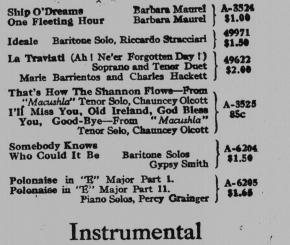
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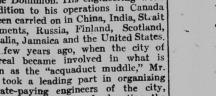
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