

A QUARTER CENTURY OF ACHIEVEMENT

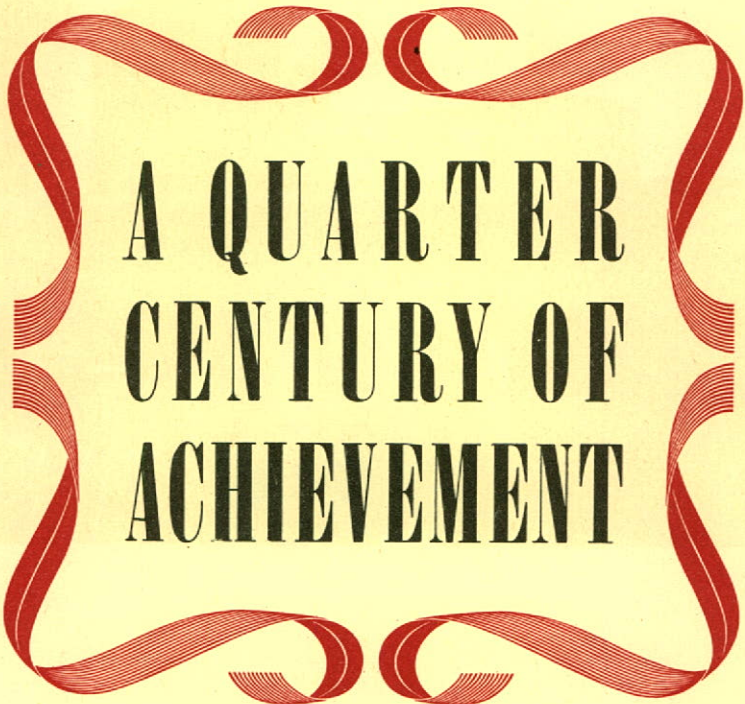
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1922 } **NORANDA
MINES,
LIMITED** } 1947

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TWENTY FIFTH ANNUAL REPORT



1922 } **A QUARTER
CENTURY OF
ACHIEVEMENT** } *1947*

25th ANNUAL REPORT OF **NORANDA MINES, LIMITED**
FOR THE FISCAL YEAR ENDING DECEMBER 31ST, 1947



VIEW OF THE SMELTER, NORANDA

A QUARTER CENTURY OF ACHIEVEMENT

Twenty-five years ago, Noranda Mines was incorporated as a Limited Company. From that time, Noranda has grown from a mining venture into a ranking Canadian Corporation. This has been accomplished through the winning of new wealth which has benefited successive Canadian Governments in the form of taxation, Canadian Industry in purchases of capital and consumable goods and services, and Canadian Labour through both direct and indirect employment. In the depression of the thirties and in World War II, Noranda Mines made special contributions vital to the national well-being and to the cause of victory. In addition to its principal assets, Noranda and its subsidiaries have built up an organization capable of rendering further great service through the "know-how" and enterprise of its trained personnel. The achievements of the past quarter century speak for themselves. Dividends of over \$118,000,000 paid to shareholders dramatise this growth and development, but do not overshadow the prospects ahead, provided that free enterprise and the democratic way of life continue to make such great achievements possible.

NORANDA MINES, LIMITED

DIRECTORS

JAMES Y. MURDOCH, O.B.E., K.C., LL.D.	-	-	-	-	-	-	-	-	Toronto, Ontario
H. L. ROSCOE	-	-	-	-	-	-	-	-	Noranda, Quebec
HARRY G. HASKELL	-	-	-	-	-	-	-	-	Wilmington, Delaware
A. L. ELLSWORTH	-	-	-	-	-	-	-	-	Toronto, Ontario
F. M. CONNELL, O.B.E.	-	-	-	-	-	-	-	-	Toronto, Ontario
H. W. CHADBOURNE	-	-	-	-	-	-	-	-	New York, N.Y.
LEO H. TIMMINS	-	-	-	-	-	-	-	-	Montreal, Quebec
HON. J. E. PERRAULT, K.C., LL.D.	-	-	-	-	-	-	-	-	Montreal, Quebec
HON. ALPHONSE RAYMOND	-	-	-	-	-	-	-	-	Montreal, Quebec
N. C. URQUHART, C.B.E.	-	-	-	-	-	-	-	-	Toronto, Ontario

OFFICERS

JAMES Y. MURDOCH, O.B.E., K.C., LL.D.	-	-	-	-	-	-	-	-	President
H. L. ROSCOE	-	-	-	-	-	-	-	-	Vice-President
J. R. BRADFIELD	-	-	-	-	-	-	-	-	Secretary
R. G. RUDOLF	-	-	-	-	-	-	-	-	Treasurer
HAROLD PINNOCK	-	-	-	-	-	-	-	-	Assistant Treasurer

CONSULTING ENGINEER

OLIVER HALL	-	-	-	-	-	-	-	-	Toronto, Ontario
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HEAD OFFICE

2 King Street East, Toronto (1), Ontario

TRANSFER AGENTS

Chartered Trust and Executor Company, Toronto and Montreal, Canada
Bank of The Manhattan Company, New York, U.S.A.

REGISTRARS

Imperial Bank of Canada, Toronto and Montreal
The Chase National Bank of the City of New York, U.S.A.

BANKERS

Imperial Bank of Canada
The Royal Bank of Canada
The Bank of Nova Scotia
Chartered Trust and Executor Company

GENERAL COUNSEL

Holden, Murdoch, Walton, Finlay & Robinson, Toronto

ANNUAL MEETING

April 23rd, 1948, 2.30 p.m. King Edward Hotel, Toronto

DIRECTORS' REPORT TO THE SHAREHOLDERS

Your Directors submit herewith the Twenty-fifth Annual Report of your Company with Balance Sheet as at December 31st, 1947, Auditors' Report, Statement of Operations for the year, Reports of the General Manager and the Consulting Engineer, together with Statements of Operations; Surplus and Working Capital of your Subsidiaries, Waite Amulet Mines, Limited; Pamour Porcupine Mines, Limited, Hallnor Mines, Limited; Aunor Gold Mines Limited; Compania Minera La India and Canada Wire and Cable Company, Limited.

As the year under review marks the twenty-fifth anniversary of the incorporation of your Company, this Report has been especially prepared to commemorate that event and illustrate the growth which has occurred since May 1st, 1922.

A net profit of \$3.00 per share was earned during the year compared with \$2.81 per share in 1946. Production was suspended during the first two months of the year due to a strike called in November 1946 by the International Union of Mine, Mill and Smelter Workers (C.I.O.). Four dividends of 50¢ per share were paid in 1947. At a Meeting on February 4th, 1948, a dividend of 75¢ per share was declared payable March 15th. In January 1947 the controlled price of copper was raised from 11½¢ per pound to 16⅝¢ and in June the control was removed. The domestic price then became, and has remained at, 21½¢ per pound, which compares with the current New York export price of 21½¢ to 22¢ per pound.

During the war years and until quite recently, the supply of labour was quite restricted, with the result that development work fell far behind. However, more men are becoming available and as the new employees are trained, it is hoped that development and production will be gradually increased.

WAITE AMULET MINES, LIMITED (NORANDA, QUEBEC)—A net profit of \$1.15 per share was earned by this Subsidiary as compared with 70c per share in 1946. After treating 393,950 tons during the year, the ore reserves of Waite Amulet and its Subsidiary at the year end totalled 1,765,000 tons, compared with 2,100,000 tons at the end of 1946. The "Waite" orebody is now exhausted and extraction has been resumed at the "C" zinc orebody. Exploration is being conducted near the "F" orebody and South-west of the "A" orebodies.

CANADIAN COPPER REFINERS LIMITED (MONTREAL EAST, QUEBEC)—While Copper production in 1947 was only 79% of capacity, plans are being prepared for expansion to be completed within a year which will take care of expected increases in the tonnage of refinery receipts. Provision will also be made to produce certain special shapes to meet an increasing demand.

PAMOUR PORCUPINE MINES, LIMITED (PAMOUR, ONTARIO)—A loss of \$24,000 was sustained in 1947, compared with a net profit of \$209,000 in 1946. This was due to higher costs and the loss of the exchange premium in July 1946. Expected aid under the Emergency Gold Mining Assistance Act will probably be offset by wage increases under a Cost-of-Living Bonus plan put into effect by a number of Ontario gold producers on January 1st, 1948. Improvement, however, is looked for through increased manpower and volume of production.

HALLNOR MINES, LIMITED (PAMOUR, ONTARIO)—The net profit per share of this Subsidiary amounted to 26.97¢ as compared with 39.61¢ in 1946. Average recovery per ton was \$12.05, approximately the average value of the ore reserves, compared with \$17.23 per ton in 1946. The drift on the 2,760 ft. level has just reached the location of the new orezone previously indicated by drilling. Dividends amounting to 28¢ per share were paid during the year.

AUNOR GOLD MINES LIMITED (TIMMINS, ONTARIO)—Net earnings amounted to 24.43¢ per share, compared with 23.55¢ per share in 1946. Developments on both the 1875 ft. and 2125 ft. levels in 1947 proved to be quite satisfactory. Dividends paid during the year totalled 20¢ per share, the same as in 1946.

COMPANIA MINERA LA INDIA (NICARAGUA, C.A.)—A net profit of \$324,000 (U.S.) was earned compared with \$194,000 in 1946. This profit includes \$95,000 representing La India's share of the first dividend paid by its Subsidiary Empresa Minera de Nicaragua. Dividends totalling \$120,000 were paid during the year. A net profit of \$554,000 was earned by the Subsidiary compared with \$7,345 in 1946. It is interesting to note that the average price received for gold sold during the year by these two Nicaraguan Subsidiaries amounted to approximately \$41.50 per ounce.

CANADA CHINA CLAY AND SILICA, LTD. (KASIL, QUEBEC)—A loss of \$35,000 was suffered during the year. Although much effort and study has been devoted to the problems of this operation, certain hopes for assistance and improvements have failed to materialize and the future prospects of this Company are uncertain.

CANADA WIRE AND CABLE COMPANY, LIMITED (LEASIDE, ONTARIO)—The net profit of this Subsidiary amounted to \$1,500,000, as compared with \$195,000 in 1946 when the Leaside plant was closed for 110 days by a strike called by the United Electrical, Radio & Machine Workers of America. Dividends paid during the year amounted to \$420,000, compared with \$333,000 in 1946. The basic rehabilitation plan, started in 1944, has now been completed, resulting in improved working conditions, efficiency and production, and bookings of orders indicate a considerable period of full production.

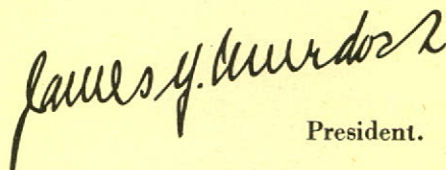
NORANDA COPPER AND BRASS LIMITED (MONTREAL EAST, QUEBEC)—During the year this new Subsidiary, which commenced operations in 1947, was in process of converting its plant to peacetime products, installing modern equipment and breaking in new personnel. It is now in substantial production and its products are being well received both in Canada and abroad. A \$3,500,000 Bond Issue, guaranteed by your Company, was sold in July 1947 on very satisfactory terms.

Since the year end Agreements have been made with East Sullivan Mines, Limited, whose mill is now under construction, covering treatment of their copper concentrate production and the financing of their project through the purchase by your Company of 5%, 10-year Sinking Fund Redeemable Bonds, up to a maximum of \$2,000,000. The purchase of each \$1,000 Bond includes 25 shares of treasury stock.

It is with a deep sense of regret that your Directors record the death on February 2nd, 1948, of Colonel Ernest Hibbert, a former General Manager, Consulting Engineer and Director of your Company. Colonel Hibbert's wide experience and sound judgment proved invaluable to your Company, particularly in its formative years. We also record, with a sense of loss, the death on December 14th, of Mr. T. G. McGrath, Supervisor of Purchasing for the Company. Mr. McGrath was an able, hard-working and loyal Officer of the Company.

Your Directors wish to express their appreciation of the loyal and able services rendered by the Management and the former and present members of the Staff during our twenty-five years of operation. We are proud of our "Noranda Family".

On behalf of the Board,



President.

Toronto, March 5th, 1948.

GENERAL MANAGER'S REPORT

TO THE PRESIDENT AND DIRECTORS OF NORANDA MINES, LIMITED

REPORT OF OPERATIONS FOR YEAR 1947

HORNE MINE: A total of 1,220 feet of drifting was done in preparation for mining but no exploratory drifting was undertaken due to the shortage of miners. However, exploration by diamond drilling was increased considerably over that done in recent years. During the latter part of the year the principal objective of the surface diamond drilling was the exploration of the area along the Horne Creek fault which extends for nearly three miles across the Noranda property. Only a small portion of this area has been explored so far and the investigation of it will be continued during 1948.

ORE RESERVES: From information obtained by diamond drilling and other openings in the various orebodies, there is now indicated above the 2,975 foot level, as of January 1, 1948, the following tonnage of ore:

	Tons	Copper %	Gold Per Ton, Oz.
Sulphide Ore over 4% copper.....	4,800,000	7.15	0.160
Sulphide Ore under 4% copper.....	14,480,000	0.66	0.195
Total Sulphide Ore.....	19,280,000	2.27	0.186
Silicious Fluxing Ore.....	838,125	0.11	0.108
Total Ore.....	20,118,125		

ORE SHIPMENTS: The tonnage and grade of ore delivered from the Horne Mine to the Smelter and Concentrator from March 1, to December 31, 1947 was as follows:

	Tons	Copper %	Gold Per Ton, Oz.	Silver Per Ton, Oz.
Direct Smelting Ore.....	317,748	2.98	0.178	0.471
Concentrating Ore.....	196,258	2.63	0.169	0.434
Silicious Fluxing Ore.....	2,698	0.39	0.130	0.230
Total.....	516,704			

Production was interrupted for 14 weeks between November 22, 1946, to February 28, 1947 as a result of a strike called by the International Union of Mine, Mill and Smelter Workers (C.I.O.). Although the strike ended on February 9, it took some time to get the men back to work and the hoisting of ore was not resumed until February 21. The operation of the Concentrator was not resumed until April 10, and it had to be operated at greatly reduced tonnage during the rest of the year due to the scarcity of miners.

SMELTEER: During the period from March 1 to December 31, 1947, the Smelter treated 648,753 tons of ore, concentrate, refinery slag and scrap brass from which 99,520,581 pounds of anodes were produced. Included in the total material smelted were 289,123 tons of ore, concentrate and scrap which was smelted for other companies on a toll basis. After deducting the copper, gold and silver which was recovered from secondary products such as refinery slag and scrap brass, the estimated recovery of new metals was 85,317,228 pounds of fine copper, 127,446 ounces of gold and 1,044,452 ounces of silver. The estimated recovery from Horne Mine ore and concentrate was 29,856,764 pounds of copper, 85,461 ounces of gold and 319,215 ounces of silver.

CONCENTRATOR: During the period from April 10th to December 31, 1947, the concentrator treated 194,601 tons of ore from the Horne Mine, from which 41,399 tons of copper-gold concentrate and 46,327 tons of pyrite concentrate were produced. The copper-gold concentrate was sent to the smelter and the pyrite concentrate was treated in the cyanide plant where 2,917 ounces of gold was recovered by cyanidation, after which it was dried and sold to chemical plants.

STATISTICS: The following table shows the amount of ore hoisted, the tonnage treated in the smelter and concentrator, and the output of metals each year since the commencement of operations in December, 1927:

Year	Tons of Ore Hoisted Horne Mine	Tons of Ore Milled	Tons of Horne Mine Ore and Concentrate Smelted	Tons of Material Smelted For Other Companies	Pounds of New Copper Produced	Ounces of Gold Produced	Pounds of Copper from the Horne Mine	Ounces of Gold from the Horne Mine
1927.....	10,740	10,740	552,345	767	552,345	767
1928.....	265,970	4,468	266,095	5,831	33,065,261	52,949	32,113,413	52,335
1929.....	323,316	51,689	383,537	44,684	51,223,115	68,732	44,472,520	66,756
1930.....	849,303	191,856	713,143	20,930	75,509,373	117,393	69,244,529	116,179
1931.....	1,012,005	317,792	762,796	2,748	62,010,910	252,561	61,800,247	251,617
1932.....	1,218,295	379,637	915,157	3,410	60,588,127	338,255	60,584,462	338,025
1933.....	1,541,524	676,168	1,007,778	2,851	63,548,524	283,109	63,518,749	283,058
1934.....	1,777,021	920,363	1,044,294	6,390	68,433,016	247,128	68,208,741	242,112
1935.....	1,906,661	1,048,806	1,069,912	6,320	74,478,436	265,538	74,106,222	259,763
1936.....	2,011,730	1,070,597	1,116,381	4,074	62,750,342	342,495	62,697,995	340,664
1937.....	2,024,468	1,106,609	1,101,191	54,564	87,060,237	280,806	80,122,543	274,157
1938.....	1,996,485	1,107,977	1,070,194	221,498	96,966,169	337,025	75,934,608	300,544
1939.....	1,926,902	1,103,418	1,022,024	313,275	105,363,477	318,599	82,626,816	267,504
1940.....	1,970,957	1,118,338	1,040,584	322,100	133,854,138	290,628	76,720,860	251,665
1941.....	1,956,866	1,099,391	1,071,148	340,267	144,130,669	298,874	74,403,256	259,039
1942.....	1,862,966	1,109,231	933,276	441,870	141,661,397	319,475	67,516,855	263,901
1943.....	1,844,692	1,090,166	946,652	434,087	132,762,100	333,261	66,364,854	269,903
1944.....	1,553,857	1,055,473	703,153	345,285	113,086,814	246,990	56,580,845	196,402
1945.....	1,330,534	858,523	626,571	296,520	102,323,546	226,095	53,565,532	174,217
1946.....	953,437	562,034	500,625	250,226	70,378,097	198,660	27,525,548	155,197
1947.....	516,705	194,601	359,631	289,123	85,317,228	127,447	29,856,764	85,462
TOTAL.....	28,854,434	15,067,137	16,664,882	3,406,053	1,765,063,321	4,946,787	1,228,517,704	4,449,267

GENERAL: After all of the employees had been called back to work following the strike, the total working force was 1,150 as compared with the pre-war normal force of 1,800 and the number declined to a low of 1,130 in July. Thereafter there was a fair increase each month so that the total working force at the end of the year was 1,288. If this trend continues during 1948, it will be reflected in an increase in the tonnage of ore mined and treated. However, the housing shortage continues to be a limiting factor and as a contribution toward the solving of this problem, your Company has during the past three years constructed 75 residential units for married employees and provided new dormitory and dining accommodations for 300 single men at a total cost of \$525,000.

I wish to express my appreciation to Mr. R. V. Porritt, Assistant General Manager; Mr. W. B. Boggs, Smelter Superintendent; Mr. C. G. McLachlan, General Superintendent of Mills; Mr. H. L. Ames, Concentrator Superintendent; Mr. J. A. Costa, Mine Superintendent; Mr. B. C. Rochester, Plant Engineer; Mr. J. A. Carter, Accountant, and their staffs, for the efficient and loyal services rendered during the past year.

Respectfully submitted,

H. L. ROSCOE,

Vice-President and General Manager.

Noranda, Quebec, February 3, 1948.

CONSULTING ENGINEER'S REPORT

TO THE PRESIDENT AND DIRECTORS OF NORANDA MINES, LIMITED

Exploration in 1947 was quite widely spread. Prospecting parties were maintained in Gaspé, Western Quebec, Ontario, Manitoba, Saskatchewan and the Yukon. Noranda participated in the exploration done by Norancon and partially financed the exploration and operations of Quebec Gold.

Some extensions of the low grade orebody in our Gaspé property were found and some further testing will be done in 1948.

Exploration by Norancon was extensive in the Chibougamau and Mistassini areas in Quebec and in the Norancon Concession near the Quebec-Labrador boundary.

Developments in Western Quebec were followed by the staff in Noranda, some participations being taken.

A program of work was laid out for Midcamp Mines to test the South Dome area in Porcupine but labour shortage necessitated deferring most of the work.

An extensive organization was maintained in the Lynn Lake nickel area in Northern Manitoba and 140 claims were staked in this area.

A small operation in the Keno silver district in the Yukon was continued for eight months and indicated some very high grade lead-silver ore but costs under existing conditions were extremely high. Two additional lead-silver properties are held that merit work.

Prospecting in an old area near White Horse has indicated fairly extensive mineralized areas showing low grade copper. The copper found to date is below pay grade but is extensive and we expect to continue prospecting in this area in 1948 and will do some testing.

Respectfully submitted,

OLIVER HALL,

Toronto, February 12, 1948.

Consulting Engineer.



BALANCE SHEET

as at 31st December 1947

ASSETS			
Current:			
Cash on hand and on deposit.....		\$ 3,125,144	
Call loans.....		40,800	
Marketable bonds and shares at cost (market value at 31st December 1947 \$10,631,878).....		10,572,419	
Accounts and interest receivable.....		192,303	
Smelting and refining tolls receivable on metals in process, etc.....		570,782	
Refinery settlements outstanding and metals on hand as determined and certified by the management and valued as in the previous year, at—copper 10c. per lb., silver 45c. per oz., gold \$35 per oz., less estimated refining and marketing charges.....		4,975,829	\$19,477,277
Deferred:			
Materials and supplies.....		\$ 1,127,497	
Mortgage loans on townsite lots, etc.....		300,397	
Charges to operations.....		164,284	
Refundable portion of taxes on income.....		93,130	1,685,308
Capital Expenditures:			
Mining properties at cost.....		\$ 919,779	
Plant, buildings and equipment at cost.....	\$14,511,079		
Investment in hotel, houses, etc.....	1,958,273		
Debentures of Town of Noranda.....	91,484		
	<u>\$16,560,836</u>		
Less reserve for depreciation.....	15,324,663	1,236,173	2,155,952
Investments at Cost:			
Subsidiary companies.....		\$13,169,094	
Affiliated and other companies.....		6,285,676	19,454,770
Advances to Subsidiary and Affiliated Companies.....			357,487
Prospecting and Exploration on Outside Properties less amounts written off.....			158,785
			<u>\$43,289,579</u>
LIABILITIES			
Current:			
Accounts and wages payable and accrued.....		\$ 805,422	
Custom ore settlements outstanding.....		1,823,024	
Unclaimed dividends.....		38,339	
Unclaimed portion of dividend declared payable 15th December 1947.....		90,462	
Provision for taxes.....		1,005,000	\$ 3,762,247
Reserve for Investments and Contingencies:.....			5,071,133
(including net profit of \$166,418 on securities sold during the year)			
Capital and Surplus:			
Capital—			
Authorized—2,250,000 shares of no par value			
Issued —2,239,772 shares.....		\$11,303,140	
Earned surplus.....		23,153,059	34,456,199
Contingent Liability:			
Noranda Mines, Limited has guaranteed payment of interest and principal on the outstanding first mortgage bonds of Noranda Copper and Brass Limited, a subsidiary company. (Bonds outstanding at 31st December 1947 \$3,500,000)			
			<u>\$43,289,579</u>

MINES, LIMITED

THE PROVINCE OF ONTARIO, CANADA)

STATEMENT OF OPERATIONS

for the year ended 31st December 1947

Revenue:

From metals produced.....	\$ 8,670,789	
Dividends and interest earned.....	3,654,101	\$12,324,890

Expenditure:

Cost of metal production including mining, treatment and delivery.....	\$ 3,287,045	
Provision for depreciation of buildings, plant and equipment, etc.....	349,764	
Administrative and general expenses.....	295,011	
Municipal and sundry taxes.....	176,194	
Company's contributions to employees' insurance and pension plan.....	55,282	4,163,296

\$ 8,161,594

Provision for taxes on income.....	\$ 1,302,975	
Outside exploration written off.....	128,687	1,431,662

Net profit for year transferred to surplus..... \$ 6,729,932

SURPLUS

Balance 31st December 1946..... \$20,902,671

Add:

Net profit for year ended 31st December 1947..... 6,729,932

\$27,632,603

Less:

Dividends paid in 1947:

#52—50c. per share 15th March.....	\$ 1,119,886	
#53—50c. per share 16th June.....	1,119,886	
#54—50c. per share 15th September.....	1,119,886	
#55—50c. per share 15th December.....	1,119,886	4,479,544

Balance 31st December 1947 per balance sheet..... \$23,153,059

AUDITORS' REPORT TO THE SHAREHOLDERS

We have made an examination of the balance sheet of Noranda Mines, Limited as at 31st December 1947 and of the statements of operations and surplus for the year ended on that date. In connection therewith we have examined or tested accounting records of the company and have also made a general review of the accounting methods and of the operating and income accounts for the year, but we did not make a detailed audit of the transactions.

We report that, in our opinion, the above balance sheet and related statements of operations and surplus have been drawn up so as to exhibit a true and correct view of the state of the company's affairs at 31st December 1947 and of the results of its operations for the year according to the best of our information and the explanations given us and as shown by the books. All our requirements as auditors have been complied with.

Toronto, Canada.
25th February 1948.

CLARKSON, GORDON & CO.,
Chartered Accountants.



HEAD FRAME AND BUILDINGS AT "A" SHAFT WAITE AMULET MINES, LIMITED

WHAT THE MINING INDUSTRY MEANS TO CANADA

At the present time when Gold Mining in Canada is facing a crisis brought about by a lower price for gold and continuously rising operating costs, it is timely to stress the importance of the Mining Industry to Canada's Economy, which is not restricted to the favorable effect of metal exports on the Canadian trade balance. Each year the Mining Industry spends, apart from direct wages, salaries and taxes, large sums of money in Canada. For example, Noranda Mines, Limited, together with its Canadian subsidiaries, distributed during 1947 for operating supplies and equipment some \$12,420,000; freight and transportation \$1,158,000; hydro-electric power \$1,012,000, approximately 96% of which was expended in Canada. This substantial sum of money, which excludes inter-company purchases such as copper bought by subsidiaries, was distributed through 1200 firms, thus providing employment in some 140 Canadian cities and towns.

WAITE AMULET MINES, LIMITED

(INCORPORATED UNDER THE LAWS OF THE DOMINION OF CANADA)

CAPITAL

Authorized—3,500,000 shares of no par value
Issued —3,300,000 shares of no par value
(Held by Noranda Mines, Limited—2,227,621 shares)

STATEMENT OF OPERATIONS FOR THE YEAR ENDED 31ST DECEMBER, 1947

Revenue:	
Metal recoveries and miscellaneous income.....	\$2,125,494
Expenditure:	
Development, mining, treatment and delivery charges.....	\$928,367
Provision for depreciation of buildings, plant and equipment.....	68,394
Administrative and general expenses.....	31,076
Directors' fees.....	7,000
Registrar and transfer expense.....	7,469
Legal fees.....	1,750
	<u>1,044,056</u>
	\$1,081,438
Dividends from subsidiary company.....	2,970,000
	<u>\$4,051,438</u>
Provision for income and excess profits taxes.....	267,379
Net profit for year transferred to surplus.....	<u>\$3,784,059</u>
SURPLUS	
Balance 31st December 1946.....	\$3,685,016
Add:	
Net profit for year 1947 as above.....	3,784,059
Adjustment of tax reserves.....	522,543
	<u>\$7,991,618</u>
Less:	
Dividends No. 25, 26, 27 and 28.....	2,970,000
Balance 31st December 1947.....	<u>\$5,021,618</u>
WORKING CAPITAL	
Current assets.....	\$8,365,675
Current liabilities.....	1,065,817
	<u>\$7,299,858</u>

NOTE: Issued Capital of Subsidiary, Amulet Dufault Mines Limited—
3,520,000 shares of no par value.
Held by Waite Amulet Mines, Limited, 3,300,000 shares.
Net Profit of Subsidiary for 1947, \$3,621,342.
Dividends paid by Subsidiary during 1947, \$3,168,000.
Waite Amulet's share of 1947 dividends, \$2,970,000.

PAMOUR PORCUPINE MINES, LIMITED

(INCORPORATED UNDER THE LAWS OF THE DOMINION OF CANADA)

CAPITAL

Authorized and Issued—5,000,000 shares of no par value

(Held by Noranda Mines, Limited—2,293,236 shares)

STATEMENT OF OPERATIONS FOR THE YEAR ENDED 31ST DECEMBER, 1947

Revenue:

Metal recoveries.....	\$ 957,092	
Income from investments.....	80,742	
Profit on sale of investments.....	13,437	\$1,051,271

Expenditure:

Cost of metal production, including mining, milling, delivery and mint charges.....	\$ 968,285	
Administrative and general expenses.....	23,429	
Legal fees.....	443	
Directors' fees.....	250	992,407

\$ 58,864

Reserved for depreciation of buildings, plant and equipment at half rate used in prior years.....	\$ 37,507	
Amount written off special development expenditure.....	45,845	83,352

Loss for year..... \$ 24,488

SURPLUS

Balance 31st December, 1946..... \$2,312,214

Add:

Recovery of income taxes of prior years..... 40,842

\$2,353,056

Less:

Balance of sinking internal shaft..... 12,262

Loss for year 1947..... 24,488 36,750

Balance 31st December, 1947..... \$2,316,306

WORKING CAPITAL

Current assets..... \$3,051,123

Current liabilities..... \$ 124,991

\$2,926,132

HALLNOR MINES, LIMITED

(No Personal Liability)

(INCORPORATED UNDER THE LAWS OF THE PROVINCE OF ONTARIO, CANADA)

CAPITAL

Authorized and Issued—2,000,000 shares of the par value of \$1.00 each

(Held by Noranda Mines, Limited—1,882,646 shares)

STATEMENT OF OPERATIONS FOR THE YEAR ENDED 31ST DECEMBER, 1947

Revenue:

Metal recoveries.....	\$1,471,663	
Income from investments.....	75,859	
Profit on sale of investments.....	13,438	\$1,560,960

Expenditure:

Cost of metal production, including mining, milling, delivery and mint charges.....	\$ 803,003	
Administrative and general expenses.....	22,232	825,235
		\$ 735,725
Reserved for depreciation of buildings, plant and equipment.....	\$ 14,620	
Reserved for income and production taxes.....	181,659	196,279

Net profit for year..... \$ 539,446

SURPLUS

Balance 31st December, 1946..... \$2,171,050

Add:

Net profit for year 1947 as above..... 539,446

\$2,710,496

Less:

Dividends..... 560,000

Balance 31st December, 1947..... \$2,150,496

WORKING CAPITAL

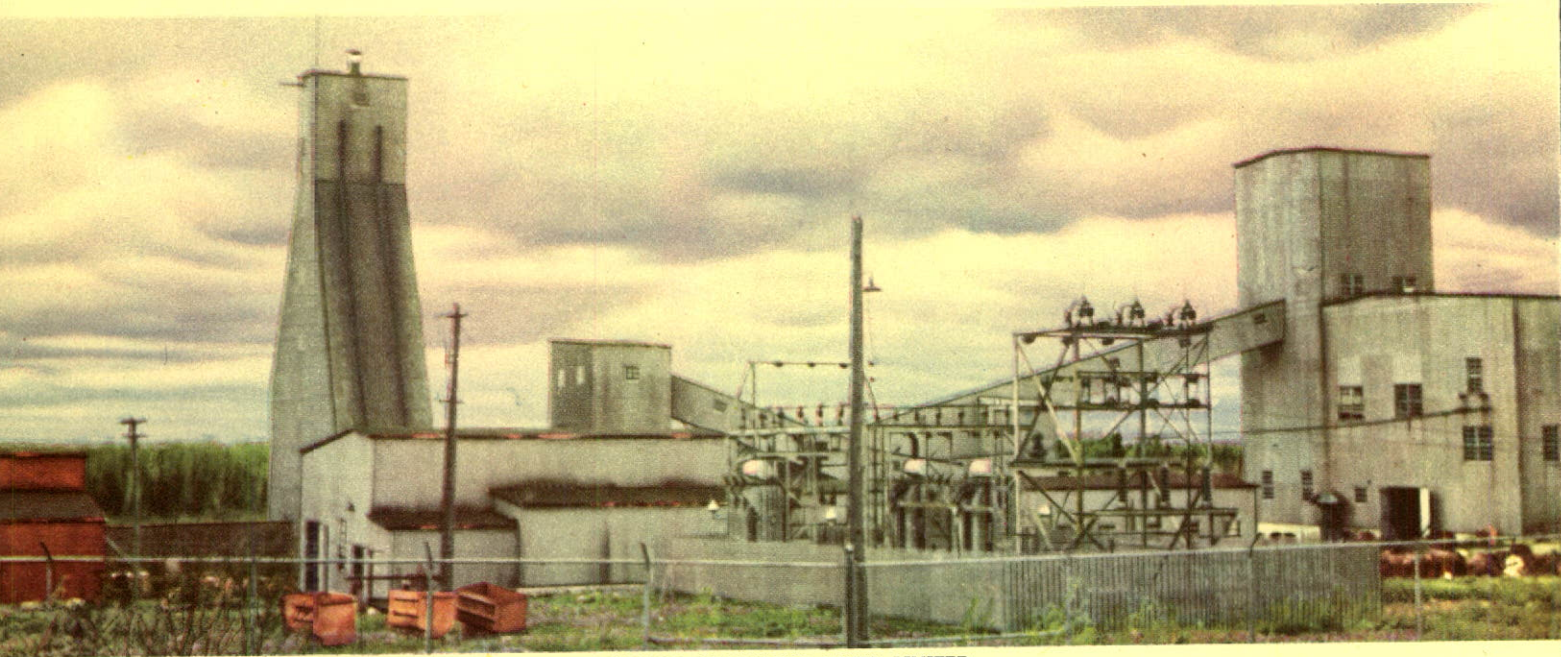
Current assets..... \$3,059,034

Current liabilities..... 184,958

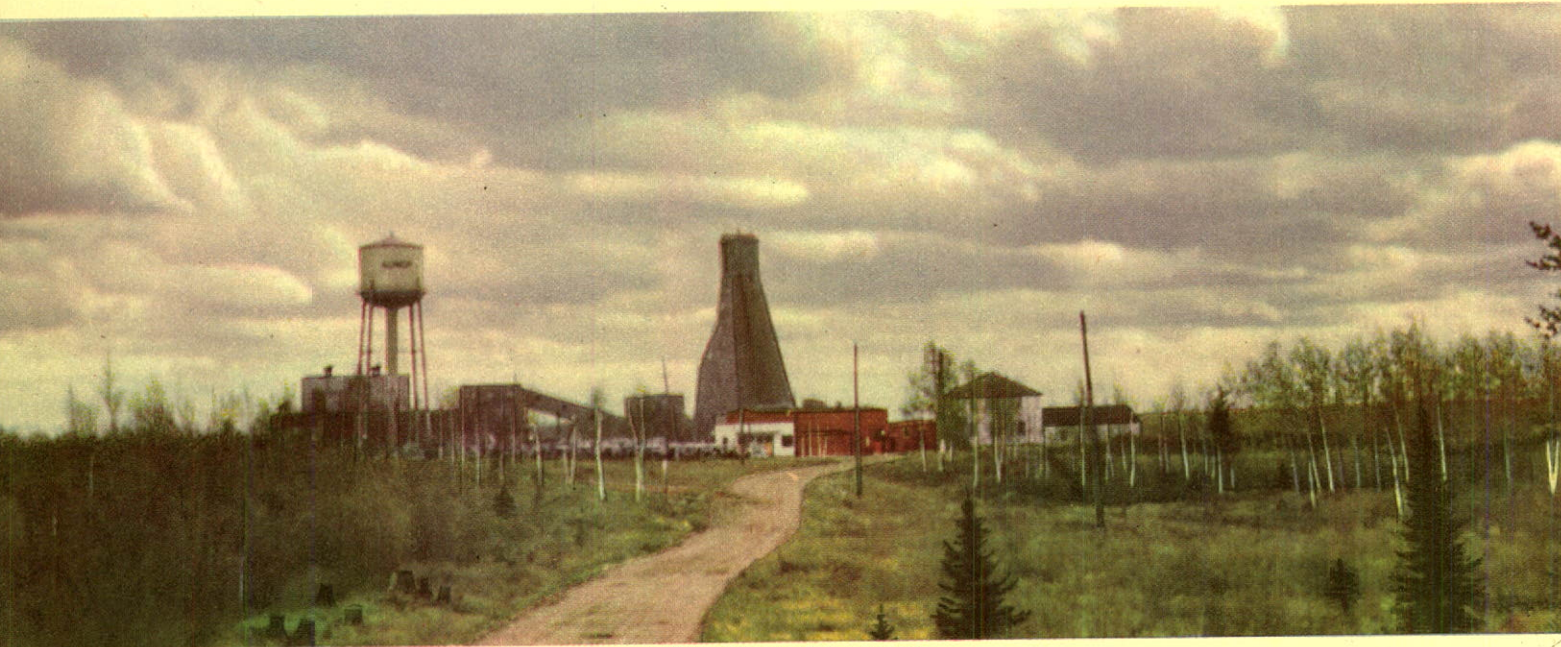
\$2,874,076



PAMOUR PORCUPINE MINES, LIMITED



A SECTION OF HALLNOR MINES, LIMITED



AUNOR GOLD MINES LIMITED

AUNOR GOLD MINES LIMITED

(INCORPORATED UNDER THE LAWS OF THE PROVINCE OF ONTARIO, CANADA)

CAPITAL

Authorized and Issued—2,000,000 shares of the par value of \$1.00 each
(Held by Noranda Mines, Limited—1,104,778 shares)

STATEMENT OF OPERATIONS FOR THE YEAR ENDED 31ST DECEMBER, 1947

Revenue:

Metal production.....	\$2,040,691	
Income from investments.....	31,274	\$2,071,965

Expenditure:

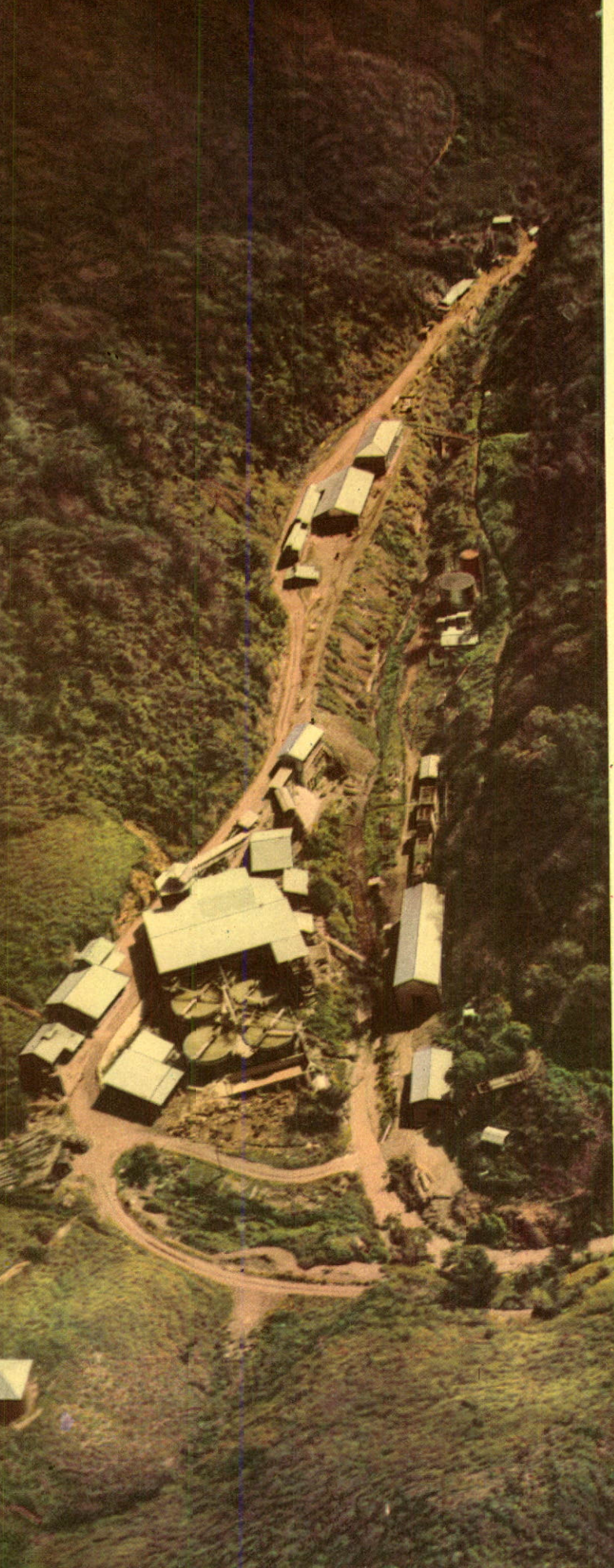
Cost of metal production, including mining, milling, delivery and mint charges.....	\$1,292,547	
Head office administrative and general expenses.....	28,073	1,320,620
		\$ 751,345
Amount written off deferred mine development and administrative expenses.....	\$ 54,959	
Depreciation on buildings, plant and equipment.....	58,269	
Reserved for income taxes.....	149,477	262,705
Net Profit for the Year.....		\$ 488,640

SURPLUS

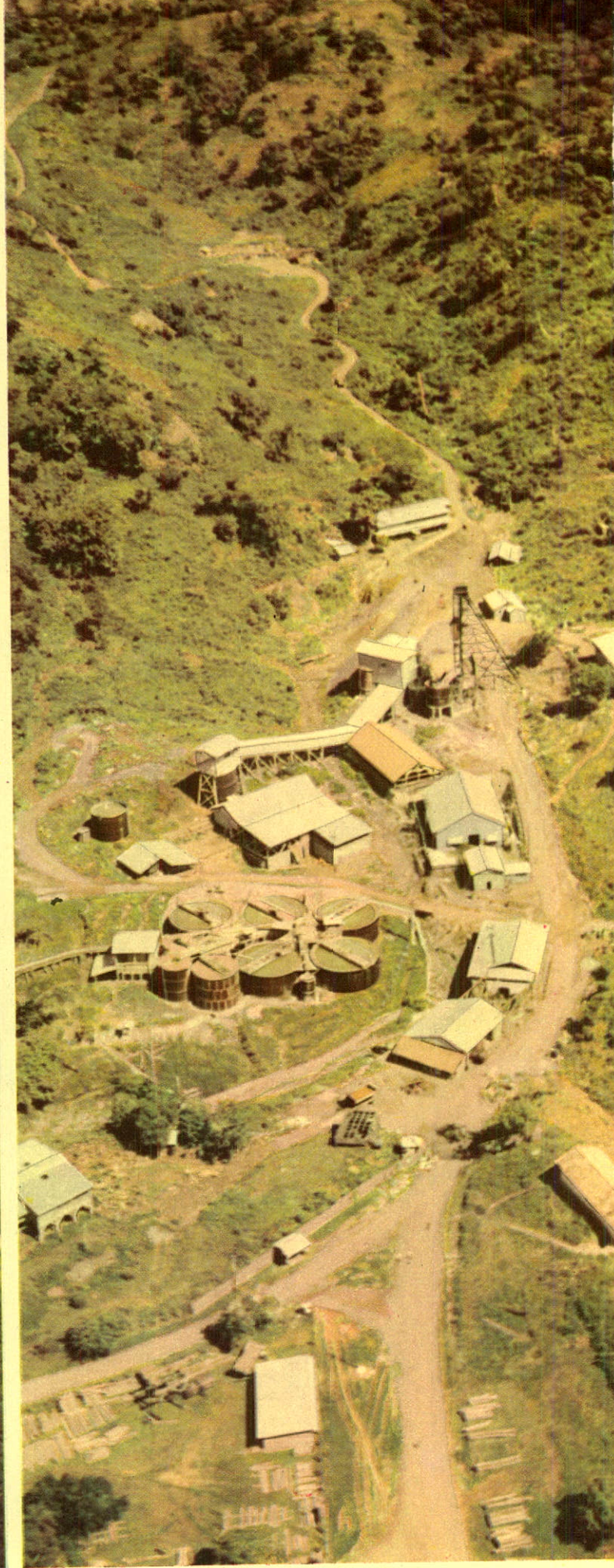
Balance 31st December, 1946.....		\$1,442,913
Add:		
Net profit for year 1947 as above.....		488,640
		\$1,931,553
Less:		
Dividends.....		400,000
Balance 31st December, 1947.....		\$1,531,553

WORKING CAPITAL

Current assets.....		\$2,045,701
Current liabilities.....		207,101
		\$1,838,600



COMPANIA MINERA LA INDIA, NICARAGUA



EMPRESA MINERA DE NICARAGUA, NICARAGUA

COMPANIA MINERA LA INDIA

(INCORPORATED UNDER THE LAWS OF NICARAGUA, C. A.)

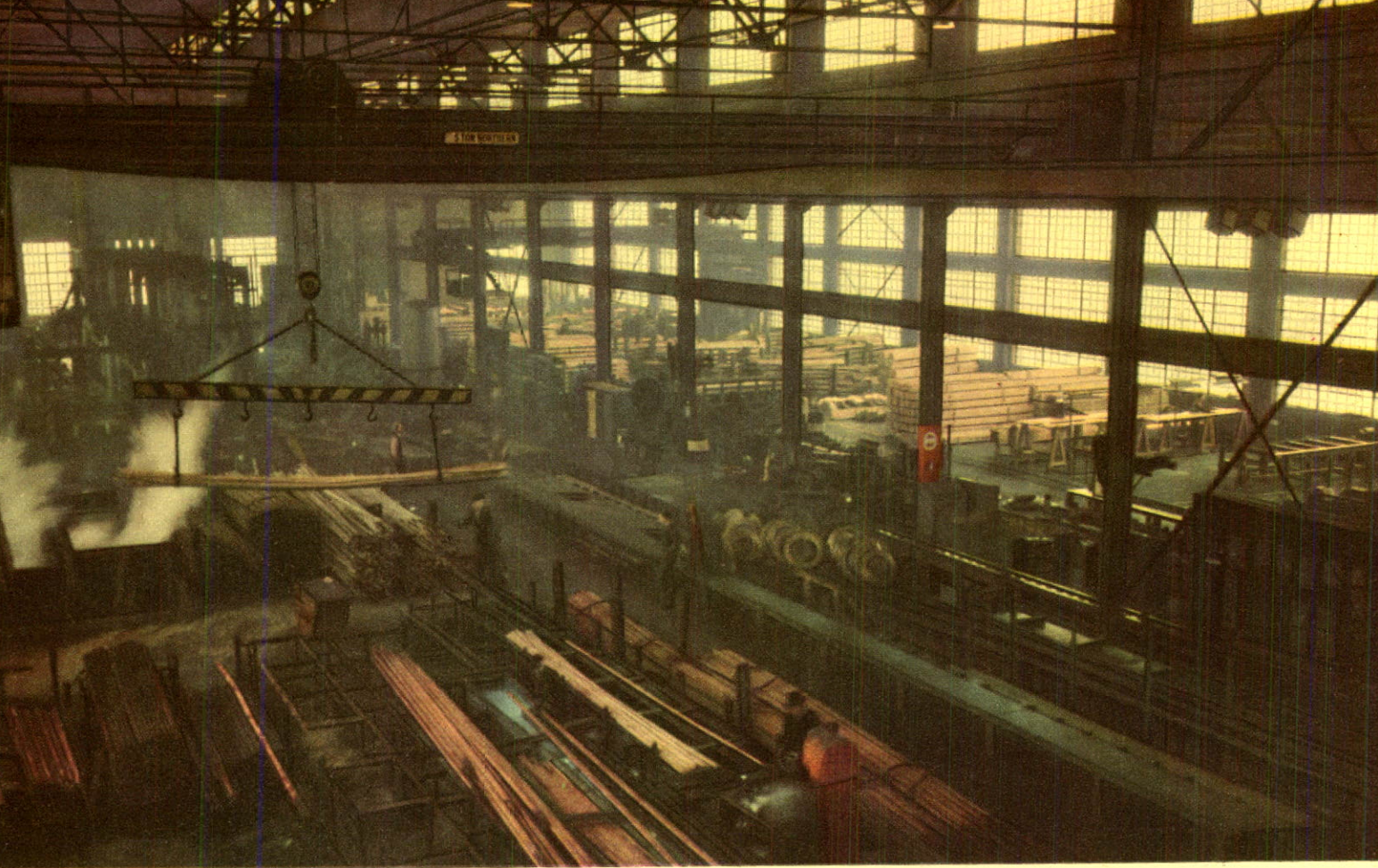
CAPITAL

Authorized and Issued—10,000 shares of \$4 each
(Held by Noranda Mines, Limited—6,375 shares)

STATEMENT OF OPERATIONS FOR THE YEAR ENDED 31ST DECEMBER, 1947

Revenue:		(U.S. Funds)
From metals produced.....		\$ 1,175,392
Expenditure:		
Cost of metal production, including mining, milling, delivery and mint charges.....	\$ 576,616	
Administration, engineering and general expenses.....	141,234	717,850
		<u>\$ 457,542</u>
Reserved for depreciation of buildings, plant and equipment.....	\$ 150,212	
Production taxes.....	50,114	
Outside exploration.....	28,140	228,466
		<u>\$ 229,076</u>
Dividend from Subsidiary Company.....		95,000
Net profit for year transferred to surplus.....		<u>\$ 324,076</u>
	SURPLUS	
Balance 31st December, 1946.....		\$ 1,414,170
Add:		
Prior year adjustments.....	\$ 35,110	
Net profit for year 1947 as above.....	324,076	359,186
		<u>\$ 1,773,356</u>
Less:		
Dividends.....		120,000
Balance 31st December, 1947.....		<u>\$ 1,653,356</u>
	WORKING CAPITAL	
Current assets.....		\$ 893,057
Current liabilities.....		15,912
		<u>\$ 877,145</u>

NOTE: Issued Capital of Subsidiary Empresa Minera de Nicaragua—10,000 shares of \$4 each.
Held by Compania Minera La India, 9,500 shares.
Net Profit of Subsidiary for 1947, \$553,966.
Dividend paid by Subsidiary during 1947, \$100,000.
La India's share of 1947 dividend, \$95,000.



ROD MILL, NORANDA COPPER AND BRASS LIMITED, MONTREAL EAST

FROM ORE TO FINISHED PRODUCT

The picture on this page highlights the fact that Noranda Mines, Limited has grown to become an integrated metal producing and manufacturing organization, staffed and equipped to mine and process ore and raw materials to refined and manufactured products.

Ore from the Horne Mine and copper concentrate from the Noranda Mill and from custom shippers are treated at the Noranda Smelter. The product of the Noranda smelter is in the form of a copper anode, weighing about 700 lbs. and containing, as well as copper, the recovered gold and silver. These metals are separated and refined at the plant of Canadian Copper Refiners Limited at Montreal East, Quebec.

The adjacent Rod Mill of Canada Wire and Cable Company consumes a substantial portion of the Refinery production. At the Rod Mill, the copper is drawn into heavy wire or rod. The major portion of this is then shipped to the main plant at Leaside, Ontario, where it is manufactured into insulated wire and cable.

Other refined copper is shipped to the adjacent Brass Plant of Noranda Copper and Brass, Limited to be made into brass and copper sheet, rod and tubing.

These three subsidiaries complete Noranda's industrial picture of processing mineral to fabricated products. They also assure a market for its copper and permit the export of the metal in finished or semi-finished form rather than as a raw product.

CANADA WIRE AND CABLE COMPANY, LIMITED

and Subsidiary Companies

(INCORPORATED UNDER THE LAWS OF THE DOMINION OF CANADA)

	Issued	Held by Noranda Mines, Limited
Common Shares—Class "A", no par value.....	29,668	12,000
Class "B", no par value.....	150,664	105,450
Debentures—3% Serial Debentures maturing 1949-1967.....		\$2,850,000

CONSOLIDATED STATEMENT OF SURPLUS AND OF INCOME AND EXPENDITURE FOR THE YEAR ENDED 31ST DECEMBER, 1947

EARNED SURPLUS

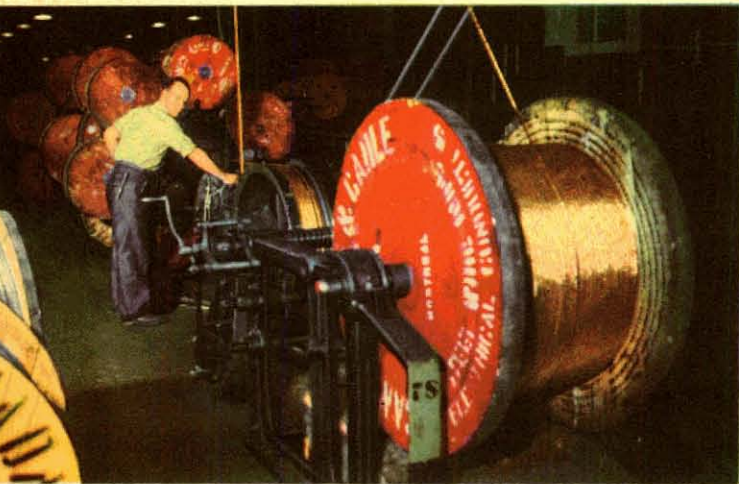
Profit from Operations, before effecting undernoted deductions....		\$ 3,603,218	
Income from Investments.....		960	
		<u>3,604,178</u>	
Deduct:			
Provision for Depreciation.....	\$ 285,679		
Executive Remuneration and Legal Fees.....	94,048		
Directors' Fees.....	7,200		
Employees' Retirement Income Plan.....	162,875		
Serial Debenture Interest.....	90,000		
Provision for Income and Excess Profits Taxes.....	1,489,859	2,129,661	
		<u>2,129,661</u>	
Net Profit for year ended 31st December, 1947.....			\$ 1,474,517
Surplus, 31st December, 1946:			
Refundable Portion of Excess Profits Tax.....	\$ 481,387		
Balance.....	1,980,972	\$ 2,462,359	
		<u>2,462,359</u>	
Add:			
Prior year adjustments of income and excess profits taxes, less refundable portion of latter tax, \$18,233.....	\$ 70,641		
Profit on sale of investments and fixed assets.....	18,526	89,167	2,551,526
		<u>89,167</u>	<u>2,551,526</u>
			\$ 4,026,043
Deduct:			
Dividends declared and paid:			
Common, Class "A".....	\$ 118,672		
Common, Class "B".....	301,328	420,000	
		<u>420,000</u>	
Surplus, 31st December, 1947:			
Refundable Portion of Excess Profits Tax.....	\$ 463,154		
Balance.....	3,142,889	\$ 3,606,043	
		<u>3,606,043</u>	

WORKING CAPITAL

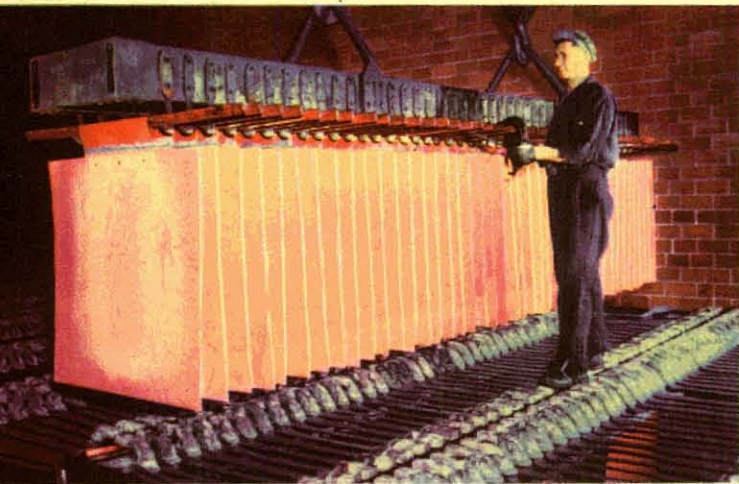
Current Assets.....		\$ 7,931,831
Current Liabilities.....		2,224,241
		<u>\$ 5,707,590</u>



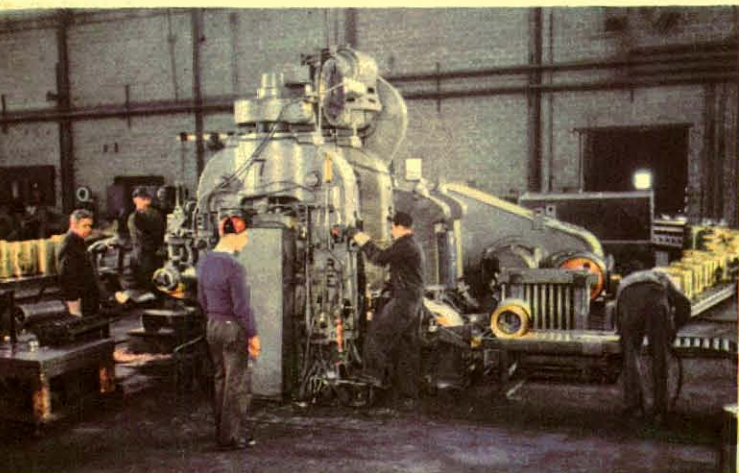
DRAWING WIRE AT CANADA WIRE AND CABLE, LEASIDE



STRANDING WIRE AT CANADA WIRE AND CABLE, LEASIDE



PULLING CATHODES AT CAN. COPPER REFINERS, MONTREAL E.



COLD ROLLING BRASS, NORANDA COPPER & BRASS, MONTREAL E.

PRODUCTS

of

SUBSIDIARIES

Canadian Copper Refiners Limited

Copper in cathodes, wire bar, ingots and ingot bar. (Plans for production of vertically cast cake and billets are now being made.)

Silver and gold.

Selenium and tellurium in various forms and compounds of these metals.

Copper sulphate in various forms and basic copper sulphate.

Canada Wire and Cable Co., Limited

Bare copper, copperweld, brass and bronze rod and wire.

Magnet wire and insulated wire and cable of all sizes and specifications.

Automotive wire and cable sets and battery cable.

Phono-electric trolley wire.

Weatherproof wire.

Lead covered cable and accessories.

Aluminum wire and cable.

Steel wire rope.

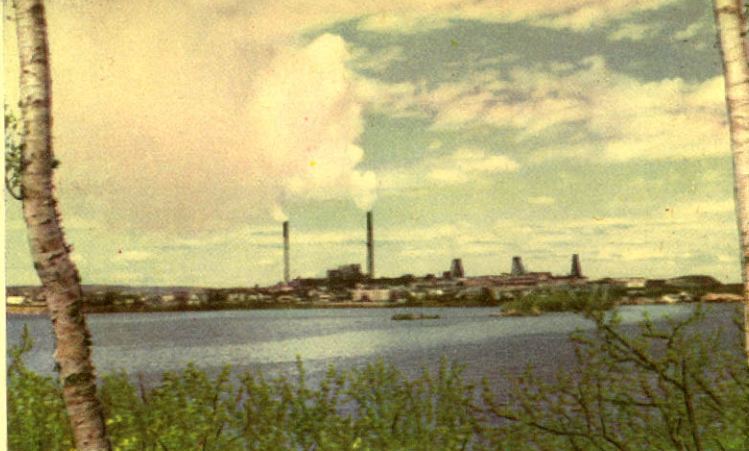
Noranda Copper and Brass Limited

Brass mill products, including copper, brass, bronze and various non-ferrous engineering alloys in the form of strip, sheet, rod, wire and tubing.

TOWN of NORANDA

People are accustomed to considering life in a mining community as a drab existence. They still hold the picture of a frontier town with nature pretty much in the raw. True, in past days a man sought employment in the mines to make a stake and then return to "civilization". Model towns like Noranda, Quebec, have changed all that. Here, beside Lake Osisko, and adjoining the bustling neighbouring community of Rouyn, is a modern planned townsite with wide streets. All the facilities of a small city are provided; pure filtered water, an activated sludge plant for treating sewage, comfortable homes with all conveniences, a modern theatre, a skating arena, curling club, athletic field and race track, an exquisite golf club, four large modern schools, a 212 bed hospital, and shops, stores, banks, etc. Two railroads serve Noranda and it is only an overnight Pullman trip to Toronto or Montreal. Good highways connect with Kirkland Lake and Toronto, and with the Towns of Malartic and Val D'or on the highway to Montreal. Life in Noranda is definitely no hardship—in fact it offers attractions comparable to any town of its size anywhere in Canada.

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NORANDA—A VIEW ACROSS LAKE OSISKO



YOUVILLE HOSPITAL, NORANDA



TYPICAL OWNER OCCUPIED HOUSES



ONE OF SEVERAL SCHOOL BUILDINGS, NORANDA

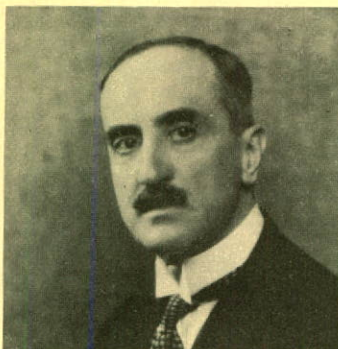
D I R E C T O R A T E



H. L. ROSCOE



A. L. ELLSWORTH



HON. J. E. PERRAULT, K.C., LL.D.



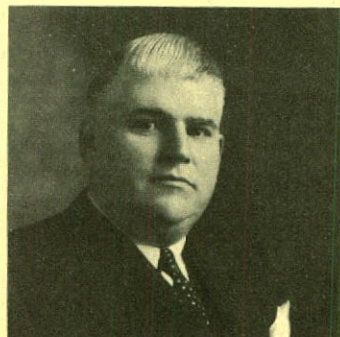
JAMES Y. MURDOCH, O.B.E., K.C., LL.D.



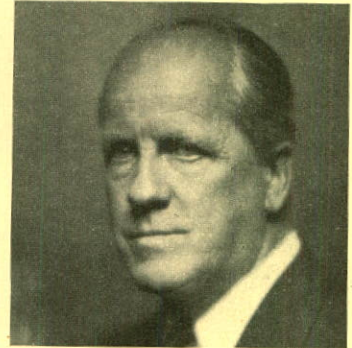
HARRY G. HASKELL



LEO H. TIMMINS



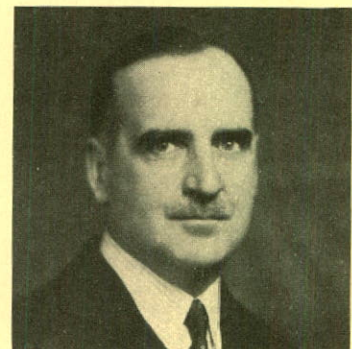
N. C. URQUHART, C.B.E.



H. W. CHADBOURNE



F. M. CONNELL, O.B.E.



HON. ALPHONSE RAYMOND

