

ANNUAL REPORT
1923



The Cleveland-Cliffs Iron Co.

LAND DEPARTMENT

NEGAUNEE, MICHIGAN.

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ANNUAL REPORT

YEAR 1922

LAND DEPARTMENT - TREASURY, MICHIGAN

DEARBORN, MICHIGAN, MAY 24, 1924

ANNUAL REPORT

YEAR 1923

No. 10
1923
Cleveland, Ohio.
LAND DEPARTMENT - NEGAUNEE, MICHIGAN

DEAR SIR:

I have just received ANNUAL REPORT of
The Cleveland-Ohio Iron Company, Land Department, and
its subsidiary companies for the fiscal year 1923.

Yours respectfully,

C. R. [Signature]
Land Agent.

CC: A

NEGAUNEE, MICHIGAN, MAY 24, 1924

Mr. Wm. G. Mather, President,
14th Floor Union Trust Bldg.,
Cleveland, Ohio.

Dear Sir:-

I hand you herewith ANNUAL REPORT of
The Cleveland-Cliffs Iron Company, Land Department, and
its subsidiary companies for the fiscal year 1923.

Yours respectfully,

C. F. Townsend
Land Agent.

CVRT:S

A N N U A L R E P O R T

LAND DEPARTMENT - NEGAUNEE, MICHIGAN

FISCAL YEAR 1923

THE CLEVELAND-CLIFFS IRON COMPANY

ARCTIC IRON COMPANY

AMERICAN IRON MINING COMPANY

BUNKER HILL MINING COMPANY

I N D E X

THE CLEVELAND-CLIFFS IRON COMPANY

General Remarks	1
Report of Mr. A. J. Erickson	12
Report of Mr. C. H. Slater, Forester	16
Report of Mr. A. O. Jopling, Engineer in Charge	18
Receipts	24
Statement of Number of Guests Registered at Hotel Williams	25
Forest Fires	26
Statement of Land and Timber Sales	27
Statement of Lands Purchased	29
Land Acreage	30
Lands Owned and Controlled	33

ARCTIC IRON COMPANY

Land Acreage	34
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AMERICAN IRON MINING COMPANY

Land Acreage	35
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BUNKER HILL MINING COMPANY

Land Acreage	36
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LANDS PURCHASED

Statement showing lands acquired this year accompanies this report. The only purchases of land were 60 acres from the Cleveland Association in the Fall District; 400 acres from the U. S. N. Co. in the Walker District; and 115.00 acres from the Government located on Grand Island.

LANDS OWNED

Report of Mr. Erickson's report which is attached hereto.

LANDS CONTROLLED

A statement showing the land held in detail for the year is made a part of this report. Details of this subject are also to be found in reports made by Mr. Erickson.

LAND DEPARTMENT REPORT FOR THE FISCAL YEAR ENDING

DECEMBER 31, 1923

- - -

The Land Department has under its care and supervision the lands of The Cleveland-Cliffs Iron Company, Arctic Iron Company, American Iron Mining Company, Michigamme property, and Bunker Hill Mining Company.

The work of the Department consists of the careful supervision of the company lands; the prevention of trespasses of every kind; protecting the timbered lands and forest products from fire; the locating and establishing of woodworking manufacturing plants at points tributary to the company railroads; the sale and leasing of farm stock and produce; the sale and leasing of lots in the various villages and cities; the sale of timber stumpage to the woodworking plants within the districts mentioned; the collection of rents and all moneys from such sales and leases; studying the general conditions of the company's tenants and the locations in which they live, and encouraging improvements in the various cities, townships and villages in which the companies are interested; the operating and maintenance of Grand Island Forest and Game Preserve and Improvements, Hotel Williams and Cottages, Forestry Operations, Munising Sawmill and its various branches, and the operations conducted by various woodworking and other industries on the companies' lands and within its territory. It is also the duty of the Land Department to look after land titles, assessments and levy of taxes, and the payment of same.

LANDS PURCHASED

Statement showing lands acquired this year accompanies this report. The only purchases of importance were 80 acres from the Keweenaw Association in the Vail District; 400 acres from the C. & N. W. Ry. in the Yalmar District, and 110.09 acres from the Government located on Grand Island.

TIMBER SALES

Covered by Mr. Erickson's report which is attached hereto.

LAND SALES

A statement showing the land sales in detail for the year is made a part of this report. Comments on this subject are also to be found in report made by Mr. Erickson.

TIMBER SALES TO MANUFACTURERS

The general activity in business created a considerable demand for forest products of all kinds with the exception of cedar posts and poles. The industries in the Munising territory were well supplied for their requirements.

Munising Paper Company

Their stock of logs and pulpwood was large due to the hold-over from previous years and it was not until late in the season that they were able to take in any considerable quantity of hemlock logs on their contract. This made it very hard for us to fill their contract as it was necessary to move the logs from the landing places early in the summer and the Paper Company extended the time for delivery on their contract over until 1924. Their lumbering operations are principally conducted by the Lumbering Department of The Cleveland-Cliffs Iron Company whose activities are mostly in the so-called Vail District except that they have opened up the so-called Creighton Job which is approximately six miles East of Cusino. The Paper Company also logged on their own account in the Van Meer District with a few small jobbers.

General

The output of forest products by the farmers along the M. M. & S. E. Ry. is yearly getting less. Their wood lots are being fast cut off and most of the timber is held in large groups.

Woods labor was scarce and inefficient and with the general activities throughout the lumber camps the men were independent and continually shifting.

Woodworking Industries

Piqua Handle Company - Marquette

This plant operated steadily throughout the year although it was somewhat cramped for logs but they seemed to be able to pick up a sufficient quantity to run reasonably full. Labor was scarce and inefficient and caused considerable trouble.

The Munising Woodenware Company - Munising

They succeeded in buying a considerable quantity of logs in the vicinity of the Soo which were delivered by boat into booms at Munising. A large portion of this timber was not of first class quality. However, they seemed to feel that

it is necessary to get this timber to keep their plant operating as they do get a considerable portion of veneer logs in the timber. However, the Veneer Plant did not have a full supply to keep its operations going. Labor was scarce and inefficient and somewhat interfered with the general activities at the plant. It was necessary to raise wages 50¢ per day on April 1st.

Brunswick-Balke-Collender Company

It is difficult to find out the actual status of this Company's operations at this time. There are many rumors afloat and there seems to be some truth in the rumor that the General Motors or Fisher Body Company have invested money in the concern and that its activities will be much greater in the future. The plant has operated quite steadily during the year.

Schneider & Brown Sawmill - Marquette

This plant has operated steadily on a one-shift basis during the year. Their supply of logs came from the vicinity of Sidnaw and they have also been active buyers in the general market.

Nufer Cedar Company Plant - Marquette

The plant was run steadily on a one-shift basis. Their product is entirely resawed hardwood for tin plate boxes.

Dalton Mill - New Dalton

Idle during 1923.

Munising Tannery - Munising

Dismantled.

Goodman Mill - Little Lake

Operated steadily on one-shift basis during the year. Its operations are largely confined to the output of hardwood ties. Their principal timber supply comes from the M. M. & S. E. districts in which lands were purchased from the C. & N. W. Ry.

Jackson & Tindle - Munising

Operated steadily on one-shift basis during the year - cutting mosly hardwood - the logs coming largely from the Van Meer and Vail Districts.

CLIFFLAND FARM - RUMELY

We had a very unsatisfactory harvest season from a farmer's standpoint. During the August period we experienced an almost continual daily drizzle which affected the harvesting of crops and made it quite impossible to shock and save the oats. It was also difficult to gather in the hay without staining. The apple crop was good and was really the first crop the orchard has borne but unfortunately the apple crop throughout the country was large and prices were affected and it was necessary for us to peddle the apples in the several small villages with our own truck and they averaged about 75¢ per bushel. The crop yielded about 2,000 bushels. No attempt was made to raise a large supply of potatoes or other vegetables, confining the production to hay and oats.

GREENHOUSES

Practically dismantled. No expense was incurred in any way except for taxes and insurance.

FOREST FIRE PROTECTION

A serious forest fire started on May 25th in 45-20 and 21 gradually working North to the M. M. & S. E. Ry. In the course of its progress it burned a considerable cordage of wood but no other forest products of consequence were destroyed. The fire was over a very large extent and it was difficult to handle. There were a great many fires prevailing at the same time throughout the entire Upper Peninsula and some serious losses were incurred in the Big Bay District and particularly in the Ontonagon District. It is difficult to control a forest fire after it once gets under way and more attention should be given to the employment of competent patrolmen in the areas where forest products are at the stump during the fire danger period.

UPPER PENINSULA DEVELOPMENT BUREAU

The Bureau's work during the year was principally advertising and particularly directed towards the tourist traffic. They were also active in the land clearing campaign conducted by the State, and in the boys and girls club work. It continues to receive a very generous support from the county boards, the large land owners, and the public.

BALDWIN KILN PLAINS LANDS

Nothing to report.

TAXES

Comparative tax statement covering taxes paid by this Department has been sent your office. There has been no material increase in the valuation of the Company's property. The increase in taxes as compared with last year is practically all in Alger County. This is due to the fact that the various cities and townships comprising this county have been actively engaged in the building of roads and schools. The new high school building and street improvements in the City of Munising, opening up of new roads and improving of old roads in the townships caused this increase. The Company, being a large property owner in this county, bears the burden of taxation.

NEGAUNEE CEMETERY

Nothing new to report.

LOGGING OPERATIONS

All logging operations have been assigned to the Lumbering Department and none were conducted during the year 1923 by the Land Department.

General Logging Conditions

The general activity in the Sawmill Plant required a corresponding activity in the woods to keep it supplied with logs. This was also true in supplying the furnace department with cordwood, resulting in the opening up of many camps and also the employment of many jobbers. No lumbering was done on Grand Island.

Steam Log Hauler

Delivered to the Lumbering Department in December 1923.

Market Conditions - Forest Products

The lumber market throughout the year fluctuated considerably both in price and demand. At times there would be a considerable spurt in demand with a slight increase in price and followed very shortly by easing off in demand and prices also. There was no demand for hemlock logs as pulpwood and the lumber market did not promise a fair return in putting the logs into lumber but as we had a considerable quantity on hand it was necessary to do this, resulting in

our carrying over quite a large inventory at the end of the year. There was no demand for Balsam Pulp and it was very hard to dispose of it. Spruce Pulp was in demand at a price of \$11.00 per cord f.o.b. cars. Hardwood lumber was in good demand with fair prices. Unfortunately we were not supplied with a large amount of hardwood and were unable to benefit in the market.

Sales of Forest Products

In addition to the mining timber, etc. sold to the Mining Department, the following sales were made to outside parties:

6500 to 7500 Hemlock, Cedar and Tamarack Ties were sold to the D. S. S. & A. Ry. Co. at the following prices f.o.b. cars: 75¢, 63¢, 53¢ & 30¢ for the Hemlock & Tamarack, and 85¢, 78¢, & 68¢ for the Cedar.

45,000 to 55,000 7 ft. Cedar Posts were sold to the Warner Lumber Co. at a price of 5¢ each for a 3" top, and 14¢ each for 4" and up top.

100 to 200 cds. of Balsam Pulp were sold to Thomas Connors at a price of \$8.00 per cord f.o.b. cars C. & N. W. Ry.

WORK DONE FOR THE BENEFIT OF OUTSIDE DEPARTMENTS

The following time was consumed by men employed by the Land Department on work for outside departments:

	<u>Furnace Dept.</u>	<u>Lbrg. Dept.</u>	<u>Railway Dept.</u>	<u>Mining Dept.</u>	<u>Mich.Min. Land Co.</u>	<u>Gov't Timber Questionnaire</u>
R. A. Brotherton	4 days			5 days	5 days	2½ days
N. B. Markettey	3 "			5 "		3½ "
J. G. Gibson	11 "					41 "
W. H. DeHaas		3½ days	½ day	4 "		2 "
H. S. Nightingale					3 "	
J. R. Stark						1 "
J. F. Kennedy						3½ "
C. Nicholas						1½ "
M. Bath						½ "
TOTAL	18 days	3½ days	½ day	14 days	8 days	55½ days

INQUIRY - TIMBER LANDS

The deal involving some 55,000 acres of land in the so-called L'Anse District did not materialize.

SAWMILL PLANTS

Munising Sawmill

The Sawmill was operated continuously double shift with the exception of the period from November 10th to 29th when it was idle for repairs. The total production for the year was 21,007,498 feet of which 3,215,498 feet was hardwood.

This is a daily average of 77,948 feet. We shipped 17,700,632 feet as compared with 17,050,676 feet in 1922. We also delivered 3,546,750 pieces of lath, 7,944 cords of slabwood, and 2,580 loads of hogged refuse.

Sawmill Engine

As reported last year, the engine is showing signs of excess overloading although operating satisfactorily. It will be necessary to install within a reasonable time a new engine.

Band Mill

The sawmill has been in operation practically 18 years on a one shift basis. The effects of this continuous operation shows in some of the machinery in the mill, particularly the engine and band mill. The band mill is getting badly worn and needs constant and careful attention to keep it in line and adjustment and it should be replaced in the course of the next year. The following shows the mill's operation on a one shift basis since beginning:

1908	7 months
1909	11 "
1910	5 "
1911	6 "
1912	6 "
1913	8 $\frac{1}{2}$ "
1914	10 "
1915	8 $\frac{1}{2}$ "
1916	11 "
1917	23 "
1918	23 "
1919	23 "
1920	21 "
1921	10 "
1922	23 "
1923	<u>23</u> "
Total	219 "

Log Supply

A sufficient stock of logs was provided to keep the mill supplied. There were some slight shutdowns due to not having logs at the mill to keep the plant in continuous operation.

Labor Conditions

Through the winter months the mill was sufficiently supplied with labor but as Spring advanced the conditions changed and labor became very short particularly for loading lumber and outside work. The mill crew remained quite steady with the exception of the resaw crew which was continually changing. On April 1st labor was increased 50¢ per man per day.

Manufacturers' Hotel

Joseph E. Michelin continued to lease this hotel during the year. This hotel is devoted almost entirely to the boarding and rooming of men employed at the various mills and other labor about town. During the summer its trade is fairly good but during the winter it falls off with the result that the place is hardly a payable proposition. Only necessary repairs were made during the year which included the decorating of the kitchen and dining room. It is expected, however, that during the year 1924 the entire building will have to be redecorated inside.

Shipments of Products

There were shipped from the mill during the past two years the following number of cars:

	<u>1923</u>	<u>1922</u>
<u>Munising Mill</u>		
Bark		3
Lumber	1059	764
Lath	28	34
Shingles	8	44
Fuel Slabs	311	276
Pulpwood		128
Pulp Slabs	4	
Ties	4	1

These moved as follows:

All M. M. & S. E.	178	95
M. & L. S.	268	280
Eastern Points	301	190
Via Little Lake	48	19
Lower Michigan Points	475	659
D. S. S. & A.	36	
Via Soo Line		7
Ontario, Canada	64	
Local	<u>44</u>	
	1414 cars	1250 cars

Shingle Mill

The shingle mill was operated from May 31st to August 11th, utilizing in this period 16,807 pieces of cedar - all of the raw material that we had available. The mill produced 3,973,500 shingles and 461 ties. We shipped during the year 1,715,000 shingles and 2,003 ties.

Planing Mill

The planing mill was operated during the entire year. A total of 12,385,222 feet or 54 per cent of the total lumber shipped was worked. Of this

quantity we were compelled to have 1,416,645 feet worked in transit at the period of greatest shipping.

The installation of a new planer and matcher with ripping attachment was practically completed by the close of the year. This should improve our shipping facilities to a considerable extent.

Logs for Lake Delivery

There remains approximately 400 M feet of logs in the Laughing Fish River which it is expected to bring to the mill early in the summer of 1924, also about 40 M feet banked at Au Train. There are 175 M feet banked at Grand Island, all of which will be rafted this summer.

BEACH INN

The lease to C. L. Heckathorn was renewed for a period of two years from November 1, 1923, at the rental of \$175.00 per month. He continues to conduct the place in a very satisfactory manner and the hotel is receiving very good patronage.

GRAND ISLAND

Forest Preserve

There were no unusual conditions during the year. No reforestation was undertaken owing to the shortage of men. The planting already made is showing fine healthy growth.

Deer

Virginia White Tail

The deer are in excellent condition and the increase seemed unusually large and the keepers reported more deer about the Island than had been seen in the past several years.

Albino

Two albino deer are seen quite often. One makes its home near the old enclosure and is not particularly wild. The other one stays mostly on the Thumb and is very wild.

Elk

The Elk herd seems to have increased and the keepers report seeing as many as twenty Elk and they appear in good condition.

Game Birds

A number of native partridge were seen during the summer and early Fall. No other game birds were noticed.

Predatory Animals

Some difficulty was experienced in the latter part of the winter from coyotes but they were hunted persistently and made no kill among the deer.

Hunting

The only hunting was by several gentlemen from Chicago.

Sales of Deer

The demand for deer is greater than we can supply and we have had no complaint from deer shipped. The Pennsylvania Game Commission are desirous of obtaining all the deer we have for sale but we scatter the orders so as to keep up the advertising and to encourage competition. During the year a total of 45 deer (24 bucks and 21 does) were shipped - 18 of which went to the Pennsylvania Game Commission.

Sales of Elk

Two Elk - one bull and a cow - were sold to E. Jaser of Walhalla, Michigan, at a price of \$75.00 and \$60.00 respectively.

Road Work

The wooden bridge on the West Road over the deep gully North of the Lodge was torn down and replaced. It was in a shaky condition although the timbers were not rotted but the bridge seemed unsafe.

The wooden bridge on the East and West Road near the East Gate was in a very dangerous condition and this was torn down and a large size galvanized culvert put in and the fill made entirely of earth.

Work was started on completing the East Shore Road and a little over a mile and a half was built before cold weather set in. This is one of the most picturesque and scenic roads on the Island and will be a great pleasure to the tourists. The road should be completed early in the summer of 1924.

Trails

Maintaining the trails already in existence. No further work of this nature was done.

Docks

Only necessary repairs to the docks were made. There was no new construction.

Maple Syrup

The season was very unfavorable. The weather was very cold at the start and suddenly turned warm with no cool nights resulting in a rapid flow of sap lasting only a few days. The output was 305 gallons.

Cottage Sites

No applications were received during the year with the exception that Mr. Redfield of Detroit asked for a site between the hotel and Williams Cottage saying that he would sign a lease early in 1924.

Hotel and Cottages

The hotel was opened June 1st. The patronage was quite satisfactory. August is always the banner month and this year owing to the new automobile dock a great many automobile parties visited the Island for two or three days stay. This helped materially in maintaining the hotel and the patronage from this source was very satisfactory. The patronage under ordinary conditions is not enough to keep the hotel filled except during the month of August.

Improvements

None were made.

Launches

Nothing new to report.

Telephone

Nothing further to add than reported in 1917.

February 15th, 1924.

Mr. C. V. R. Townsend, Land Agent,

Building.

Dear Sir:--

I beg to submit the following as my Annual Report for the year 1923:

THE CLEVELAND-CLIFFS IRON COMPANY

SALES OF LAND & TIMBER

The demand for land for agricultural purposes was extremely light during the year. This seems to be a general condition existing throughout the country, due in a large measure to the high wages prevailing in other lines of work and the unfavorable situation of the agricultural industry.

Following is a statement showing the sale by districts during the year:

<u>District</u>	<u>Number of Sales</u>	<u>Acreage</u>	<u>Total Am't of Sales</u>	<u>Timber Value</u>	<u>Avg. Am't of Sale</u>	<u>Avg. Price per Acre, Land Only</u>
Rumely-Chatham-Trenary	12	1129.63	46980.00	36854.75	3915.00	8.96
Brimley	1	40.00	440.00		440.00	11.00
Ishpeming	22	1162.52	8370.00	2059.25	380.45	5.43
Minnesota	1	23.20	175.00	12.50	175.00	7.00
Miscellaneous	16	2092.71	52022.50	44972.13	3251.41	3.37
TOTAL	52	4448.06	107987.50	83898.63	2076.68	5.41

Twelve sales were made in the Rumely-Chatham-Trenary District, and several of these were more for the timber than the land. The parcels carrying considerable timber are such as were unfavorable to operation by this Company, or the timber was of such character that it was not in demand for our own operations. There were no sales made in the Yalmer, Fayette and Van Meer Districts. Only one sale was made in each of the Brimley and Minnesota Districts.

During the year we opened up the so-called Ishpeming District covering lands lying to the North and South of Ishpeming outside of the known mineral formation. Twenty-two sales were made, comprising 1162.52 acres for a consideration of \$8370.00. We receive more or less inquiry right along for

lands in this district and I believe we will in time be able to dispose of all of the lands the Company has to offer.

The sales included under the miscellaneous heading comprise principally the large sales to Freeman H. Raish, The Goodman Cedar Company and the Northwestern Cooperage & Lumber Company. The balance under this classification are miscellaneous holdings scattered throughout various parts of the Peninsula not included in the other districts.

SURRENDERED AND CANCELLED CONTRACTS

The contracts cancelled during the year were two issued to Thomas Crowley who died some time ago and left no heirs; these cancellations comprise sixty acres in the Brimley District,--the land is exceptionally good and we do not anticipate in having much trouble in reselling; and one covering forty acres near Chatham on which the purchaser made default. One Contract covering forty acres South of Trenary was surrendered. The total cancellations and surrenders during the year comprise 139.47 acres.

SALES OF TIMBER

These were as follows:

NE $\frac{1}{4}$ of NE $\frac{1}{4}$, Section 11, 46-18 (Munising Woodenware Co.)	\$517.50
S $\frac{1}{2}$ of SE $\frac{1}{4}$, Section 24, 44-22,	900.00
SW $\frac{1}{4}$ of NW $\frac{1}{4}$, Section 17, 48-27,	<u>225.00</u>
TOTAL	\$1,642.50

LOT SALES

The only sales of lots during the year were in Munising, comprising 17 lots, for a total consideration of \$6333.75.

There is a scarcity of moderate priced lots at Munising for dwelling purposes, and it is now proposed that the Company sell some of its lots in the Island View Addition, the idea being to sell each purchaser a 50-foot frontage, the contract and deed to have suitable building restrictions so that we will be assured that the locality will not be built up with unsightly shacks. These lots will be offered for sale early in the Spring of 1924.

RENTED BUILDINGS

The earnings from rented buildings were slightly less during the past year than in 1922, owing to the fact that quite a few of the houses were vacant.

The maintenance expense is quite heavy due principally to the fact that several of the houses were painted, fences were built and in some cases new roofs put on, some toilets installed and other extraordinary expenditures. There are still a number of our houses in Negaunee which should be painted, and before this can be done the exterior must be given a general overhauling. This work is quite expensive, owing to the high cost of labor and materials. Until all of our houses have been thus overhauled, the maintenance expense each year will be heavy.

COLLECTIONS

The collections on all accounts, both rental and sales, were very good during the year, with the result that the uncollected balance at the end of 1923 as compared with the end of 1922 shows a substantial reduction, and with good times prevailing, should show further reductions another year.

NEW LEASES

Thirty-two new leases were issued during the year having a total annual rental of \$203.00. Only one new lease was issued for residence purposes, the balance being made up of garden, camping and miscellaneous leases.

BELLEVUE AND CLIFFS FARMS

There is no change in the condition of these farms; they were rented to the same parties as for the previous year. Only a portion of the Cliffs Farm has been leased for the past several years, but at present I have a prospect who is figuring on the balance of the Cliffs Farm next Spring.

Each year it is necessary to do some little repair work to fences or buildings at the Bellevue Farm. This has been accomplished by the Company furnishing the material and the lessee doing the work.

IMPROVEMENTS

No new work in the nature of improvement was done by this Company at its various locations, with the exception of such that was necessary in order to get the City of Ishpeming to accept the plats of the Hard Ore and Barnum Additions. This work has been done and the City has approved of the plats.

GARBAGE COLLECTIONS AND CLEANING

The expenditure for this work was somewhat less than for 1922. This item should be considerably reduced in 1924 because of the platting of the Hard

Ore and Barnum Additions. The greater portion of this expense each year has been within the limits of what is now known as the Hard Ore Addition.

BUNKER HILL MINING COMPANY

RENTED BUILDINGS

The earnings from rented buildings were about the same as the previous year. The buildings were all occupied during the entire year. The repairs on the buildings were about \$300.00 less than last year. House No. 1, occupied by the Company barnman, was given a thorough overhauling on the exterior, painted, and a new fence built. Considerable work was also done on the other houses in the way of repairing the roofs and siding. The four remaining dwellings should be painted, and this work should be undertaken in 1924. After this has been done the maintenance expense on these houses should be light for a number of years.

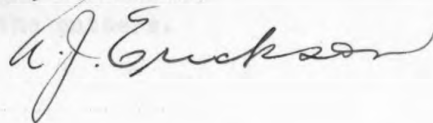
COLLECTIONS

The uncollected land rent items have been practically taken care of since the close of the year's work, and the house rent item is made up almost entirely of one account which is being wiped out gradually and should be taken care of almost entirely before the close of 1924.

AMERICAN IRON MINING COMPANY

One parcel of land in Section 28, 48-31 was sold for a consideration of \$400.00. In addition to this item, Miscellaneous Earnings totaled \$19.82, made up of Tax Refund \$9.82 and \$10.00 charge for executing a declaration as to the issuance of a deed which was lost and not recorded.

Respectfully submitted,



AJE:A-3.

January 17, 1924.

Mr. C. V. R. Townsend, Land Agent,
Building.

Dear Sir:-

I beg to submit the following as my annual report for the year 1923:

Reforestation - Grand Island

No new planting was done this year. On account of the shortage of labor it was thought advisable not to plant. It will take approximately 350 to 400 thousand seedlings to finish the cuttings on Grand Island. My last trip to Grand Island showed that the Pine seedlings that have been planted there from year to year are doing very nicely.

The East and West Road was planted the full length on both sides and in a few years the seedlings will have grown up and this will be a very pretty drive.

I took Professor Zon of the St. Paul University Farm to Grand Island on his visit to the Upper Peninsula in quest of a location for a branch U. S. Forestry Station and he was very much pleased with the progress that had been made in our efforts at reforestation.

I also took him over a large area of the Company's lands, as per your request, and from his talk he seemed to favor the Chatham or Forest Lake Districts as a location for a forestry station.

Trespass

There was very little trespassing in the vicinity of Munising this year. I would say that on account of the shortage of labor the people who usually trespass were too busy working to take time to cut timber. What trespassing there was committed was very small and this was done where the woodsmen were cutting for some concern or individual who was logging and cut over the line. This was no fault of the operator - only a mistake by the cutters.

Test Scale - Furnace Logs

I spent two months at the Furnace at Marquette to determine how much merchantable hardwood saw timber was going through the furnace for chemical purposes. This was for Government Questionnaire information.

I spent one month this Fall going over all The Cleveland-Cliffs Iron Co. logging operations to determine the difference in logging expenses of the various kinds of woods products such as hardwood saw logs, softwood saw logs, and chemical logs. I would say a very good idea of the cost of each separate product was reached.

Cliffland Farm Orchard

I also spent considerable time at the Cliffland Farm pruning and taking out the dead apple trees. This was done with two men and one team of horses. We had to use dynamite to loosen some of the stumps as they were deeply rooted and could not be pulled out with a block and tackle. By using dynamite it not only loosened the stumps but also loosened the hardpan so when the new trees are planted they will be able to reach out to get sufficient nourishment to grow.

Trees planted at M. M. & S. E. Ry. Station - Munising

Last Spring over a hundred Scotch Pine were planted in front of the depot as most of those planted the year before had died. These trees are quite large and are very hard to get started growing. A number of these trees died during the summer so we decided to replant half of them last Fall and the other half this Spring to determine whether Fall or Spring planting is best.

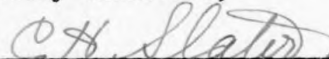
Pulpwood at Mushlock Landing

The Spruce Pulp that was left on the lake shore at the Mushlock Job was taken to Wilcox Siding and shipped to the Munising Paper Company. Considering the state of deterioration of this pulp we received a very good price for it. There is no more merchantable pulp left at this job.

Burnt Timber - Section 19-46-17

A fire killed several acres of good standing hardwood timber along the South line of this section and this has nearly all been disposed of to the farmers at Wetmore who have cut it for their own personal use. They pay from 50 to 75¢ a cord stumpage for it so it is not a total loss and by removing it it also eliminates a fire hazard.

Respectfully submitted,


Forester

GRAND ISLAND

REPORT FOR YEAR 1923

Mr. C. V. R. Townsend, Land Agent,
Negaunee, Michigan.

Dear Sir:-

I submit my report on Grand Island for the year 1923, as follows:

BUILDINGS

The work on Hotel Williams mostly represents upkeep, as no new construction of any extent was undertaken during the year. It also received the usual spring painting, varnishing and calcimining, and additional sinks were put in the pantry for dish and vegetable washing. At the Administration Building a laundry (14' by 16') was built in the shed at rear of the building, and furnished with two tubs, water heater and other facilities. The exterior of this building needs painting badly and should receive attention in the Spring. Some attempt should also be made to prevent the formation in winter of heavy ice masses on the eaves of the building that require to be knocked down frequently to prevent damage in falling. This melting of snow along the eaves is caused by warm air in the attic, and could be prevented by a boarding-up inside under the rafters.

SHORE CAPTAIN'S COTTAGE

This is now occupied by R. E. Vendien and wife, and was reshingled, new hardwood floors laid, alterations made in closets, woodwork painted and walls calcimined. An office (8' by 10') for use of Captain, was also built on rear of house.

TROUT BAY COTTAGES

Three of the four cottages were reshingled, brick chimneys repaired and new roof ladders made. A new hand pump replaces the old worn one in the well on the beach used for drinking water by the guests.

DOCKS

The dock at Murray Bay, damaged by ice and log booms, was straightened up and new stringers and planking furnished.

At the Hotel dock the sewer pipe running through the dock being out of

line owing to settlement of cribs, was relaid and caulked, and the entire dock planked with tamarack.

The Merchandise Dock received no repairs worth mentioning, but the sandy approach to it was covered with eight inches of coal cinders hauled by road and across the ice from the Paper Mill last winter. More of this work could profitably be done in other similar places.

BRIDGES

The wooden bridge on the West Road, about three quarters of a mile north of the Lodge, which had received no repairs or renewals since it was built in 1903 - a matter of twenty years - was given attention in the Spring, and the old stringers replaced with new ones taken out of the woods during the previous winter. The floor, or deck, of flatted cedar ties was relaid as it was found to be sound and practically in as good condition as when first laid down. The only other repairs found necessary were the replacing of the hand rails and putting new supports under one of the sills which had been under-cut by the stream. The bridge should now be serviceable for some years, but if found advisable at some future time to put in a culvert and fill in the ravine with earth, it will be necessary to build a concrete retaining wall, as well, to prevent the earth slope from going over the cliff.

The small wooden bridge on the East and West Road, near the East Gate, built mostly of hemlock, had become unsafe and it was decided to put in a 30" galvanized iron pipe, 45' in length, and fill in with earth. The grading was done by contract and amounted to about 1000 yards at a cost of \$500.00.

ROADS AND TRAILS

During the season the roads had necessary repairs and were dragged regularly after rain. The road into Echo Lake, from the Lodge, should be widened, straightened and ditched to make it safe for the increased motor traffic.

Trails, including those to the North Light and Trout Point Cave, and through the Windfall to Echo Lake, were cleared of fallen trees and made passable.

A new hand railing was built at the Gull Point Lookout. Some grading was done on hill approaching East Gate which had become washed by heavy rains. This work should be completed by crowning, and the ditch on the upper side of road deepened so as to prevent overflow and washing across the road. A washout on road east of Windfall, caused by clogging of culvert pipe which was of too small a size, was next attended to. A larger galvanized iron pipe was substituted and the embankment filled in again. This grading was also done by contract and required some 800 yards of earth to make the fill, the cost of which was \$500.00.

EXTENSION OF EAST ROAD

The same firm of Finnish contractors who had filled in the two embankments, were then let a contract to continue construction of the East Road going north, starting at station 104, or at a point where the road into Camp No. 1 branches off. The price agreed on was at \$50. per station of 100 feet, with some extras for ditching and laying culvert pipes. Tools and supplies were to be furnished them free, and the use of a team, when needed, in logging the right of way. Owing to favorable weather, due to a long period almost without rain or snow, the contractors were able to make good headway and lose little time. Work began early in September, and they completed 59 stations (or about 1.1 miles) by the end of November, when winter conditions put a stop to the grading. The contractors then began the work of clearing the right of way, which they agreed to cut 30 feet wide at \$4.00 per station, all the way through to the North Light or to junction with the north end of West Road. The completion of this work in December 1923 closed operations for the season.

The East Road was graded from station 104 to 163, or 59 stations in all. The distance from the end of this grading to connect with the West Road at North Light, is 235 stations (or 4.47 miles). This portion of the road was cut out and finished in December, but not graded. Mr. Brotherton has given me as the total distance around the Island by road, when completed, 107,854 feet, or 20.42 miles. The total cost of the first 53 stations completed, including camp building, culverts and grading was at the rate of \$69.66 per station, and he gives me his estimate for building the gap of 4.47 miles; which is \$17,625.00. On resumption of work next Spring, certain parts of the new grade, where there were deposits of black muck,

will require a top dressing of clay or gravel to make it passable for wheel traffic. It would seem desirable to take up the work of grading as early as possible next Spring in order to close up the remaining gap, so as to complete the circuit of the Island and open it to traffic. The advantage of driving all the way around will appeal to sight-seers and afford them fine views on the East side with the Pictured Rocks in the distance.

EAST AND WEST ROAD

This was widened this Spring to twenty feet so that it can now be crowned and ditched to give it proper drainage. This will also let in the sun and wind to dry up the road after rains. The timber cut in this portion will be used for firewood and hauled to Williams' Landing on sleighs.

POWELL'S POINT ROAD

This road had some repairs during the summer, but is still too narrow and needs more coal cinders. A new railing was built at the hill on both sides, a scow load of rock was taken over in order to protect the cribbing under garage on the Lake side. Some changes should be made in docks on both sides of the channel to make it more convenient for passengers to get in and out of the small launches used. A low landing is required for small launches and rowboats, and also a proper place to land and tie up alongside of the fish-house during north-west winds.

DUCK LAKE

We have found the growth of wild rice in this lake even better than that of last season, and feel that it has now really established itself. A number of ducks nested here - mostly dusky mallards - and although they fed extensively on the wild rice I am of the opinion that in doing so they scattered a good deal of the seed which found its way to the bottom and will come up in the Spring. Another fifty pounds of rice from Terrill, of Oshkosh, was sown in the Autumn in the places where the best growth appeared. The seeding at Echo Lake has shown poor results so far.

GAME

The men estimate the number of elk left on the Island at about twenty-five head, but as this was their estimate made the previous season, I am inclined to think there has been an increase, for young have been reported as seen. I came across a herd of cows and young in a swamp off the West Road in November, but on account of the dense brush could not count them, but judging from the tracks there were several calves in the herd.

I spent nearly the entire open season for deer (November 10th to 30th) on the Island, and noted that deer were still fairly plentiful, but owing to bare ground and noisy travelling, the hunters met with little success. I noticed in passing through the swamps that the game animals had made heavy inroads on the winter feed and that the heavy browsing had killed much of the young cedar growth. While the lumbering operations were going on the game animals found ample feed through the fresh choppings, but now that they have ceased, the question of a food supply in the winter months has become serious again. There is plenty of feed overhead but it is out of their reach, and now it is absolutely necessary for our men to make a practice of passing through the winter yards and lopping down brush to save them from starvation. In 1922 we had a large crop of beech nuts and all the animals fattened on these and laid in a good foundation for the winter, digging for them even when the snow was quite deep. This year, however, there were none and of course the deer must suffer for the lack of them. Mr. Tisdale was with me part of the time and observed the same conditions as to feed that I did, and is also strongly of the opinion that the cutting down of feed for the deer must be a regular practice throughout the winter.

During the hunting season, a pure white buck, about three years old, with other ordinary deer, came in daily to feed near the hotel. Later a white doe was observed and was seen by Mr. Johnson at the Farm in company with the white buck. During the previous winter fifty-seven live deer were captured and shipped from the Island.

It is gratifying to note the increase in number of the native grouse, or partridge. Birds were reported quite frequently and I myself saw a number of flocks.

THE CLEVELAND - CLIFFS IRON COMPANY

LAND DEPARTMENT

COMPARATIVE STATEMENT OF RECEIPTS FOR YEARS 1922 and 1923

R E C E I P T S	1923	1922
Deliveries of Forest Products	382,789.57	308,516.89
Sawmill Deliveries - Munising	661,939.18	447,345.34
" " - New Dalton	11,904.87	1,084.29
Retail Yard Deliveries	54,721.15	49,510.75
Shingle & Tie Mill Deliveries	6,553.95	29,883.17
Cliffland Farm Product Sales	4,097.70	2,932.99
Williams Hotel & Cottages	17,853.35	11,967.83
Grand Island Products Sales	8,239.39	9,267.71
Earnings from Rented Buildings	10,355.82	10,729.86
Lot Rents - Pendill Location	183.00	183.00
C. I. M. Co.'s First Addition	1,841.02	1,861.02
Do. Second "	587.00	579.00
" Third "	2,946.00	2,946.00
" Fourth "	112.00	106.00
" Fifth "	1,111.00	1,111.00
" Bancroft Location	222.00	222.00
" Nebraska "	135.00	135.00
" Hard Ore "	765.00	762.50
" Marquette "	1,089.00	1,101.00
" Hematite "	28.00	28.00
Ex. I. Co.'s First Addition	12.00	12.00
I. C. Co.'s Junction Location	360.00	360.00
Do. Salisbury "	122.50	108.00
" Winthrop "	127.00	127.00
" Barnum "	528.00	528.00
Jackson Addition	1,205.00	1,205.00
Munising	51.83	83.83
Pioneer Iron Co.'s Second Addition	96.00	96.00
East New York Location	227.00	
Lake Angeline "	131.50	
Land Rents	8,448.05	8,844.01
Sundry Rentals	138.33	133.16
Real Estate Sales	104,840.50	55,937.25
Farm Land Sales	2,015.00	1,130.00
Town Lot Sales	6,333.75	8,600.00
Cordwood Sales - Other Operations	36,659.00	14,546.23
Forest Products Sales - Outside Parties	102.63	283.95
" " " - Other Operations	59,848.17	26,476.74
Trespass Cases	469.27	1,076.17
Bark Sales - Outside Parties	88.76	
" " - Other Operations	1,634.79	705.96
Timber Sales	1,642.50	14,771.00
Land Products Sales	427.33	485.98
Royalties Received	3,273.73	2,580.40
Rental of Equipment	42.00	
Miscellaneous Sales of Machinery & Equipment	799.00	335.00
Collection Fees		1.60
Miscellaneous Earnings	1,138.07	6,684.37
T o t a l	1,398,235.71	1,025,385.00

CAH:CN:2.

3/21/24.

THE CLEVELAND - CLIFFS IRON COMPANY

LAND DEPARTMENT

STATEMENT SHOWING NUMBER OF GUESTS REGISTERED AT HOTEL WILLIAMS
BY STATES AND CITIES DURING THE SEASON OF 1923

<u>MICHIGAN</u>				<u>KENTUCKY</u>	
Negaunee	47			Louisville	5
Marquette	116			Ft. Thomas	<u>2</u> 7
Escanaba	40				
Grand Rapids	16			<u>NEW YORK</u>	
Detroit	40			New York City	<u>4</u> 4
Munising	36				
Ishpeming	5			<u>WASHINGTON</u>	
Harbor Brooks	4			Washington	<u>5</u> 5
Gladstone	39				
Lansing	3			<u>PENNSYLVANIA</u>	
Republic	2			Harrisburg	<u>4</u> 4
Houghton	13				
Quinnesec	3			<u>DELAWARE</u>	
Sault Ste. Marie	1			Wilmington	<u>2</u> 2
Clare	1				
Trout Creek	6			<u>CALIFORNIA</u>	
Stambaugh	3			Los Angeles	2
Crystal Falls	30			Pasadena	<u>1</u> 3
Manistique	11				
Menominee	6			<u>MASSACHUSETTS</u>	
Ypsilanti	1			Cambridge	4
Hancock	<u>8</u>	431		Boston	<u>1</u> 5
<u>ILLINOIS</u>				<u>COLORADO</u>	
Chicago	103			Denver	<u>2</u> 2
Oak Park	12				
Danville	4			<u>MINNESOTA</u>	
Champaign	4			Minneapolis	11
Hubbard Woods	3			Northfield	<u>2</u> 13
Mount Vernon	5				
Evanston	15			<u>INDIANA</u>	
Riverside	5			Elkhart	3
Galesburg	2			Fort Wayne	18
Lake Forest	1			Richmond	2
Elgin	9			North Vernon	<u>2</u> 25
Rockford	4				
Sycamore	5			<u>OHIO</u>	
Auburn	2			Cincinnati	5
River Forest	1			Cleveland	25
Peoria	6			Columbus	2
Amboy	2			Painesville	5
LaSalle	6			Lima	6
Belvidere	<u>4</u>	193		Toledo	<u>1</u> 44
<u>WISCONSIN</u>				<u>MISSOURI</u>	
Milwaukee	34			St. Louis	6
Neenah	12			Kansas City	<u>8</u> 14
Madison	10				
Oshkosh	10			<u>ALABAMA</u>	
Marinette	22			Jasper	<u>2</u> <u>2</u>
Sheboygan	9				
Appleton	15			<u>TOTAL</u>	873
Green Bay	3				
Wausau	3				
Amherst	<u>1</u>	119			

LAND DEPARTMENT

STATEMENT OF LAND & TIMBER SALES FOR YEAR 1923

DESCRIPTION	AMOUNT OF SALE				REMARKS
	ACREAGE SOLD	LAND	TIMBER	TOTAL	
County Road Right of Way		1.00		1.00	Conveyance 3995
SW $\frac{1}{4}$ of NE $\frac{1}{4}$	Sec. 34-44-21	40.00	360.00		360.00
Parcel in Claim 3 - St. Ignace		1.00	100.00		100.00
SW $\frac{1}{4}$ of NW $\frac{1}{4}$	33-44-21	40.00	323.75	26.25	350.00
NE $\frac{1}{4}$ of NW $\frac{1}{4}$	32-47-19	36.09	281.50	68.50	350.00
NE $\frac{1}{4}$ of NE $\frac{1}{4}$ of Sec. 22, NW $\frac{1}{4}$ & NW $\frac{1}{4}$ of SW $\frac{1}{4}$	23-44-21	240.00	1,390.50	5,119.50	6,500.00
SW $\frac{1}{4}$ of SE $\frac{1}{4}$	33-47-27	40.00	225.00	75.00	300.00
W $\frac{1}{2}$ of SW $\frac{1}{4}$	34-47-27	80.00	391.25	228.75	620.00
NE $\frac{1}{4}$ of SE $\frac{1}{4}$	27-47-27	40.00	172.50	87.50	260.00
NW $\frac{1}{4}$ of SE $\frac{1}{4}$	27-47-27	40.00	192.50	87.50	280.00
E $\frac{1}{2}$ of NW $\frac{1}{4}$	31-47-27	80.00	442.50	117.50	560.00
NW $\frac{1}{4}$ of NE $\frac{1}{4}$	34-47-27	40.00	172.50	87.50	260.00
S $\frac{1}{2}$ of SE $\frac{1}{4}$	27-47-27	80.00	375.00	75.00	450.00
W $\frac{1}{2}$ of SW $\frac{1}{4}$	31-47-27	86.25	395.00	165.00	560.00
SE $\frac{1}{4}$ of NE $\frac{1}{4}$	34-47-27	40.00	195.00	65.00	260.00
SW $\frac{1}{4}$ of NW $\frac{1}{4}$	31-47-27	43.80	225.00	95.00	320.00
W $\frac{1}{2}$ of NE $\frac{1}{4}$	31-47-27	80.00	475.00	185.00	660.00
Township road right of way			1.00		1.00
County road right of way			1.00		1.00
NW $\frac{1}{4}$ of NW $\frac{1}{4}$	31-47-27	44.26	227.50	52.50	280.00
Township road right of way			.50		.50
SW $\frac{1}{4}$ of NE $\frac{1}{4}$	28-46-22	40.00	371.25	48.75	420.00
NW $\frac{1}{4}$ of NW $\frac{1}{4}$	33-44-21	40.00	415.00	60.00	475.00
NE $\frac{1}{4}$ of SW $\frac{1}{4}$	21-48-27	40.00	232.50	87.50	320.00
Township road right of way			1.00		1.00
SE $\frac{1}{4}$ of NE $\frac{1}{4}$	4-46-27	40.00	241.25	78.75	320.00
Township road right of way			1.00		1.00
E $\frac{1}{2}$ of NE $\frac{1}{4}$	31-47-27	80.00	523.75	156.25	680.00
Part of SE $\frac{1}{4}$ of NW $\frac{1}{4}$	27-48-25	6.48	137.50	12.50	150.00
Part of SW $\frac{1}{4}$ of SW $\frac{1}{4}$	26-46-22	2.13	75.00		75.00
SE $\frac{1}{4}$ of NW $\frac{1}{4}$	21-48-27	40.00	232.50	87.50	320.00
Lot 1	33-47-20	22.72	125.00		125.00
Township road right of way			1.00		1.00
NE $\frac{1}{4}$ of NW $\frac{1}{4}$	35-50-23 Minn	23.20	162.50	12.50	175.00
SE $\frac{1}{4}$ of NW $\frac{1}{4}$	3-47-26	20.00	209.37	80.63	290.00
NE $\frac{1}{4}$ of NE $\frac{1}{4}$	11-46-18			517.50	517.50
SW $\frac{1}{4}$ of NW $\frac{1}{4}$	36-47-27	40.00	240.00		240.00
SE $\frac{1}{4}$ of SE $\frac{1}{4}$	18-44-21	40.00	362.50	17.50	380.00
SE $\frac{1}{4}$ of SW $\frac{1}{4}$ & SW $\frac{1}{4}$ of SE $\frac{1}{4}$	18-44-21	80.00	797.75	322.25	1,120.00
Part of NE $\frac{1}{4}$ of NE $\frac{1}{4}$	30-48-27	30.00	337.50	62.50	400.00
SW $\frac{1}{4}$ of SE $\frac{1}{4}$	14-46-3	40.00	440.00		440.00
SW $\frac{1}{4}$ of NE $\frac{1}{4}$	3-47-26	20.00	152.50	37.50	190.00
SE $\frac{1}{4}$ of SE $\frac{1}{4}$	27-47-20	40.00	380.00	170.00	550.00
E $\frac{1}{2}$ of NE $\frac{1}{4}$	16-47-30	80.00	333.50	266.50	600.00
Telephone Line Easement			1.00		1.00
SW $\frac{1}{4}$ of NW $\frac{1}{4}$	3-47-26	20.00	315.00	85.00	400.00
SE $\frac{1}{4}$ of SW $\frac{1}{4}$ of Sec. 8 & NE $\frac{1}{4}$ of NW $\frac{1}{4}$	17-44-21	80.00	561.50	2,039.50	2,600.00
NW $\frac{1}{4}$ of NW $\frac{1}{4}$	3-47-26	19.00	148.75	51.25	200.00
E $\frac{1}{2}$ of NW $\frac{1}{4}$	36-47-27	80.00	322.50	37.50	360.00
SE $\frac{1}{4}$ of SE $\frac{1}{4}$	24-44-22			900.00	900.00
Part of NW $\frac{1}{4}$ of NW $\frac{1}{4}$	34-46-21	7.50	1,200.00		1,200.00
SW $\frac{1}{4}$ of SW $\frac{1}{4}$	15-44-23	40.00	296.75	463.25	760.00
Certain lands in	45 & 46-13	953.71	1,449.00	14,551.00	16,000.00
N $\frac{1}{2}$ and W $\frac{1}{2}$ of SW $\frac{1}{4}$	16-43-21	400.00	3,147.50	26,852.50	30,000.00
SW $\frac{1}{4}$ of SW $\frac{1}{4}$	11-44-24	40.00	261.50	938.50	1,200.00
NW $\frac{1}{4}$ of NE $\frac{1}{4}$	30-48-27	40.00	256.25	43.75	300.00
NE $\frac{1}{4}$ of NW $\frac{1}{4}$	33-47-19	31.39	168.75	431.25	600.00
NW $\frac{1}{4}$ of NE $\frac{1}{4}$	4-45-29	42.32	142.25	357.75	500.00
N $\frac{1}{2}$ of NW $\frac{1}{4}$ & SE $\frac{1}{4}$ of NW $\frac{1}{4}$	24-44-22	120.00	1,130.50	2,369.50	3,500.00
Entire Sec. 21 & W $\frac{1}{2}$ of NE $\frac{1}{4}$	22-49-26	720.00	2,541.50	27,458.50	30,000.00
NW $\frac{1}{4}$ of NW $\frac{1}{4}$	32-47-27	40.00	197.50	102.50	300.00
SW $\frac{1}{4}$ of NW $\frac{1}{4}$	17-48-27			225.00	225.00
Fractional NE $\frac{1}{4}$ of NW $\frac{1}{4}$	5-47-27	38.21	238.25	81.75	320.00
TOTAL		4,448.06	24,088.87	85,541.13	109,630.00

THE CLEVELAND - CLIFFS IRON COMPANY

LAND DEPARTMENT

STATEMENT OF LAND & TIMBER SALES FOR YEAR 1923

SHEET #2

	UNPLATTED LANDS								PLATTED LANDS			TOTAL	MINERAL RIGHTS RESERVED IN SALES
	FEE	SURFACE ONLY	MINERALS ONLY	LEASED MINERALS	MINING OPTION	TIMBER ONLY	LEASED SURFACE	WATER RIGHTS	FEE	SURFACE ONLY	MINERALS ONLY		
Total Acreage as per Acreage Statement December 31, 1922	585838.67	74721.97	2250.10	2656.99	53696.96	30406.57	326.60	6789.14	228.87	77.22	283.72	757276.81	99632.75
Purchased in 1923 (1)	109.09	1652.34		40.00		160.00				1.56		1962.99	
Cancelled Contracts (2)	139.47											139.47	139.47
Adjustment	161.20	120.00										41.20	120.20
TOTAL	586248.43	76254.31	2250.10	2696.99	53696.96	30566.57	326.60	6789.14	228.87	78.78	283.72	759420.47	99373.08
Sold in 1923 (3)	3371.96	1078.21	2.11	197.44	388.60	5056.90(4)		1995.69	2.18			4450.24	3348.24
Surrendered												7638.63	
TOTAL	3371.96	1078.21	2.11	197.44	388.60	5056.90(4)		1995.69	2.18			12088.87	
Total Acreage as per Acreage Statement December 31, 1923	582876.47	75176.10	2252.21	2499.55	53308.36	25509.67	326.60	4793.45	226.69	78.78	283.72	747331.60	102721.32

(1) Purchase Nos. 2138, 2144, 2146, 2147, 2148, 2149, 2151, 2154, 2221, 2225, 2228, 2236, 2238

(2) " " 2152, 2153, 2231 and Conveyance 3882

(3) Sales as above and Conveyance 4032

(4) Conveyance Nos. 4006, 4007, 256.34 acres released to Charcoal Iron Co. Purchase 1784 and 3720 acres cordwood Purchase 1568 to Northwestern Cooperae & Lumber Co. and 80.00 acres to Jackson & Tindle Purchase No. 1931

THE CLEVELAND-CLIFFS IRON COMPANY

LAND DEPARTMENT

STATEMENT OF LANDS PURCHASED AND EXPENSES INCURRED ON ACCOUNT OF LAND TRACTS FOR THE YEAR 1923

PURCHASE	GRANTOR	PURCHASE NO.	ACREAGE	PURCHASE PRICE	ABSTRACTS & RECORDING	MISCELLANEOUS		TOTAL
						COPY OF PATENT	TAX HISTORY	
Mason	Oscar Dubois & Wife	10			3.00			3.00
McKnight	Wm. F. McKnight	99			6.00			6.00
Gariepy	Felix Gariepy & Wife	108			2.25			2.25
Powell No. 2	Daniel W. Powell	109				1.60		1.60
Robinson	H. C. Russell & Wife	117			6.50	.75		7.25
Hill	H. C. Russell & Wife	114 & 136			43.50			43.50
Powell	H. C. Russell & Wife	117 & 138			4.00			4.00
Busch	Wm. C. Busch & Wife	123			2.50	.80		3.30
Kellan & Foard	H. C. Russell & Wife	135 & 136			4.50			4.50
Powell No. 1	H. C. Russell & Wife	117 & 136			17.25	.75		18.00
Powell No. 1	H. C. Russell & Wife	137			3.25	.40		3.65
Anderson	Rush Culver & Wife	214			10.50			10.50
Stone	Wm. A. Stone & Wife	359			13.25			13.25
Culver & McKnight	R. Culver & Wm. F. McKnight	360			21.75	2.50	12.17	36.42
Tilden	Rush Culver & Wife	361			3.75	.80		4.55
Osage Mining Co.	Osage Mining Co.	362			25.75		12.18	37.93
Everard	H. H. Everard & Wife	454			6.00			6.00
Hogan	Joseph B. Hogan	465			4.50			4.50
Elson	Herman Elson & Wife	510			3.00			3.00
Hogan	Joseph B. Hogan	525				.40		.40
Hogan	" " "	526			3.75			3.75
Dorais	Sarah A. Dorais	581			3.00			3.00
Frickett	John H. Rice & Wife	648			4.75	.80		5.55
LeVeque	Anna B. LeVeque	765			19.50	3.00		22.50
Hill-Script	Wm. S. Hill & Wife	770			3.00			3.00
E. A. Maas	Edward A. Maas, etal	796			9.50	.40		9.90
Exchange of Timber Rights	Charcoal Iron Co. of America	1836		145.50 #				145.50
" " " "	" " " " "	2057		135.00 #				135.00
" " " "	" " " " "	2065		238.50 #				238.50
" " " "	" " " " "	2146		306.75 #				306.75
Johns	Frank Barinott & Wife	1978			1.00			1.00
Walbridge	Elizabeth Walbridge, etal	2143		25.00				25.00
Keweenaw Land Ass'n	Keweenaw Land Association	2144	80.00##	2500.00				2500.00
C. & N. W. Ry.	C. & N. W. Ry. Co.	2151	400.00	17000.00	1.75			17001.75
Grd. Island Light House	United States Government	2164	110.09	7400.00	1.00			7401.00
John Rivers	Conv. 143, Carp River Water Rwer			110.00 ""				110.00
Ford Deal					211.50		563.35	774.85
TOTAL			590.09	27860.75	440.00	12.20	587.70	28900.65

To The Munising Paper Company - stumpage on hardwood saw timber
 ## Timber
 "" Unpaid Balance

OMC: S-3
 1-29-24

THE CLEVELAND - CLIFFS IRON COMPANY

LAND DEPARTMENT

LAND ACRAGE -- DECEMBER 31, 1923

SHEET #3

TOWN	RANGE	UNPLATTED LANDS								PLATTED LANDS			TOTAL	MINERALS RE-SERVED IN FARM LAND SALES
		FEE	SURFACE	MINERALS	LEASED MINERALS	MINING OPTION	TIMBER ONLY	LEASED SURFACE	WATER RIGHTS	FEE	SURFACE	MINERALS		
47	25													39.75
46	26													440
57	22		119.88		80			319.60			.51		519.99	
57	23		40										40	
58	15				152.09								152.09	
59	15							1.75			1.08		2.83	
57	20		4.50								.69		5.19	
45	1 E. Wis	133.33											133.33	
41	31 Mich					42.38							42.38	
42	31					929.79							929.79	
43	31					456.85							456.85	
44	31					835.45							835.45	
45	31					4239.77							4239.77	
46	31					990							990	
41	32					1495.40							1495.40	
42	32					1360							1360	
43	32					400.05							400.05	
44	32					2281.50							2281.50	
45	32					5709.45							5709.45	
46	32					4974.49							4974.49	
42	33					1331.00							1331.00	
43	33					519.59							519.59	
44	33					2075.18							2075.18	
45	33					3878.99							3878.99	
46	33					3227.69							3227.69	
44	34					1452.85							1452.85	
45	34					2815.50							2815.50	
46	34					3182.49							3182.49	
43	35					1066.37							1066.37	
44	35					2978.74							2978.74	
45	35					2000.00							2000.00	
43	36					561.40							561.40	
44	36					1597.92							1597.92	
47	32					160							160	
47	33					1631.69							1631.69	
49	33					80							80	
47	35					475.82							475.82	
47	36					120							120	
48	36					440							440	
TOTAL		582876.47	75176.10	2252.21	2499.55	53308.36	25509.67	326.60	4793.45	226.69	78.78	283.72	747331.60	102721.32

THE CLEVELAND-GLIFFS IRON COMPANY AND SUBSIDIARY COMPANIES

ACREAGE STATEMENT - LANDS OWNED AND CONTROLLED - SHOWING OWNERSHIP BY COMPANIES ONLY

DECEMBER 31, 1923

COMPANIES	UNPLATTED LANDS								PLATTED LANDS			TOTAL ACRES	ACRES OF LAND NOT TIMBERED "H"	ACRES OF LAND TIMBERED "I"	LANDS ON MINERAL FORMATION "J"	MINERAL RIGHTS RESERVED IN SALES "K"
	FEE "A"	SURFACE ONLY "B"	MINERALS ONLY "C"	LEASED MINERALS "D"	MINING OPTION "E"	TIMBER ONLY "F"	LEASED SURFACE	WATER RIGHTS	FEE	SURFACE ONLY "G"	MINERALS ONLY					
CONSTITUANT COMPANIES (Entire Stock owned by The C.C.I.Co.) The Cleveland-Cliffs Iron Co.	582876.47	75176.10	2252.21	2499.55	53308.36	25509.67	326.60	4793.45	226.69	78.78	233.72	747331.60	219229.73	528101.87	104898.11	102721.32
ALLIED COMPANIES (A portion of the stock only owned by the C. C. I. Co.)																
The Negaunee Mine	2.40	3.49		213.36						3.49	103.53	222.74	222.74		198.40	
Arctic Iron Company	1004.55		37.98									1146.06	1146.06		288.02	78.99
The Athens Iron Mining Co.	41.76	.22	10.00	22.90						1.48		76.36	76.36		74.66	
Bunker Hill Mining Co.	43.10		10.20									53.30	53.30		53.30	
Lucky Star Mining Co.	49.74											49.74	49.74		49.74	
Michigan Mineral Land Co.	28175.62	834.43	24298.31									53308.36	53308.36		52473.93	
TOTAL ALLIED COMPANIES	29317.17	838.14	24356.49	235.26						4.97	103.53	54856.56	54856.56		53138.05	78.99
ASSOCIATE COMPANIES (The C. C. I. Co. no ownership but acts as Agent)																
American Iron Mining Company	2550.78		265.72									2816.50	2816.50		2816.50	
GRAND TOTAL LANDS OWNED AND CONTROLLED - ALL COMPANIES	614744.42	76014.24	26874.42	2735.81	53308.36	25509.67	326.60	4793.45	226.69	83.75	387.25	805004.66	276902.79	528101.87	160852.66	102800.31
<p>"A" - Lands where entire fee is owned. "B" - Lands where surface only is owned. "C" - Lands where minerals only are owned in known mineral district. "D" - Lands where our interest is confined to a mining lease. "E" - Lands where our interest is confined to a mining option from Michigan Mineral Land Co. "F" - Lands where timber only is owned. "G" - Lands where we own the entire fee, surface only, or minerals only in lands which are a part of recorded plats of towns or villages.</p> <p>"H" - Lands which have been examined and which reports show do not contain sufficient timber to be classed as timber land. "I" - All lands not included in "H". This includes both lands that have been examined and others which have not but which were purchased for timber purposes and are classed as timber lands until such time as reports will show that they are barren either through fire or through operation of the Lumbering Department. "J" - Approximate acreage of lands inside the mineral formation as indicated by maps furnished to the Land Department by the Mining Department, April 1914. "K" - Acres of minerals reserved in Farm Land Sales, outside of mineral formation.</p>																
	UNPLATTED LANDS								PLATTED LANDS			TOTAL ACRES	ACRES OF LAND NOT TIMBERED	ACRES OF LAND TIMBERED	LANDS ON MINERAL FORMATION	MINERAL RIGHTS RESERVED IN SALES
	FEE	SURFACE ONLY	MINERALS ONLY	LEASED MINERALS	MINING OPTION	TIMBER ONLY	LEASED SURFACE	WATER RIGHTS	FEE	SURFACE ONLY	MINERALS ONLY					
Total Acreage Dec. 31, 1922	617818.31	75559.89	26839.61	2893.25	53696.96	30406.57	326.60	6789.14	228.87	80.94	387.25	815027.39	243266.94	571760.45	160852.66	99632.75
Purchased during 1923																
The C. C. I. Co.	109.09	1652.34		40.00		160.00						1962.99	1293.90	669.09		
The Athens Iron Mining Co.		.22										1.33	1.33			
The Negaunee Mine Company	139.47											.14	.14			
Cancelled Contracts-The C.C.I.Co.	161.20											139.47	139.47			139.47
Adjustments		120.00										41.20	41.20			120.00
TOTAL	618226.07	77092.45	26839.61	2933.25	53696.96	30566.57	326.60	6789.14	228.87	83.75	387.25	817172.52	244742.98	572429.54	160852.66	99373.08
Sales - The C. C. I. Co.	3371.96	1078.21	2.11						2.18			4450.24	2056.34	2395.90		3348.24
Arctic Iron Co.	78.99											78.99	78.99			78.99
American Iron Mining Co.	32.70		32.70									7638.63	2581.73	5056.90		
Surrendered - The C. C. I. Co. Classification Changed				197.44	388.60	5056.90		1995.69				56876.87	36876.87			3427.23
TOTAL	3483.65	1078.21	34.81	197.44	388.60	5056.90		1995.69	2.18			12167.86	32159.81	44327.67		3427.23
TOTAL ACREAGE DEC. 31, 1923	614744.42	76014.24	26874.42	2735.81	53308.36	25509.67	326.60	4793.45	226.69	83.75	387.25	805004.66	276902.79	528101.87	160852.66	102800.31

ARCTIC IRON COMPANY

LAND DEPARTMENT

LAND ACREAGE

DECEMBER 31, 1923

TOWN	RANGE	UNPLATTED LANDS		PLATTED LANDS	TOTAL	MINERALS RESERVED IN FARM LAND SALES
		FEE	MINERALS	MINERALS		
47	25	32.12			32.12	
47	26	824.43	4.43	88.03	916.89	78.99
48	26	148.00	33.55	15.50	197.05	
TOTAL		1004.55	37.98	103.53	1146.06	78.99

CAJ:S-2
3-19-24

AMERICAN IRON MINING COMPANY

LAND DEPARTMENT

LAND ACREAGE

DECEMBER 31, 1923

TOWN	RANGE	UNPLATTED LANDS		
		FEE	MINERALS	TOTAL
47	31	515.98	38.42	554.40
48	31	2034.80	227.30	2262.10
TOTAL		2550.78	265.72	2816.50

CAJ:S-2
3-19-24

BUNKER HILL MINING COMPANY

LAND DEPARTMENT

LAND ACREAGE

DECEMBER 31, 1923

TOWN	RANGE	UNPLATTED LANDS		
		FEE	MINERALS	TOTAL
47	26	43.10	10.20	53.30

CAJ:S-2
3-19-24

NATIONAL TRADING
BOND

NATIONAL TRADING
BOND

