GENERAL SURFACE.

GWIN DISTRICT ORE CRUSHER:

Repairs on the Crusher started in April and were completed by the middle of May. A number of chutes were rebuilt, new plank and plate being installed. The rollers under the fan belt from the Crusher to the loading pocket were thoroughly overhauled; in fact, the entire plant was given a thorough inspection and overhauling before operations were started. The crusher went into commission on May 23rd; it was operated on single shift until the last day of the month, when it started operating double shift. It continued to operate on double shift part of the month of June, then went back to single shift for the balance of the year. After the month of June the crusher did not operate steadily, as there was relatively small shipments from the district. The crusher ceased operating in October.

Following is the summary of ore crushed in 1922-1921:

<table>
<thead>
<tr>
<th>NAME OF MINE</th>
<th>TONS CRUSHED</th>
<th>TONS CRUSHED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stephenson,</td>
<td>78,914</td>
<td>76,925</td>
</tr>
<tr>
<td>Gardner-Mackinaw,</td>
<td>40,180</td>
<td>19,989</td>
</tr>
<tr>
<td>Grinn,</td>
<td>21,426</td>
<td>64,427</td>
</tr>
<tr>
<td>Francis,</td>
<td>11,426</td>
<td>15,220</td>
</tr>
<tr>
<td>Princeton,</td>
<td>5,449</td>
<td>6,014</td>
</tr>
<tr>
<td>Austin,</td>
<td>2,714</td>
<td>000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>165,120</strong></td>
<td><strong>163,485</strong></td>
</tr>
<tr>
<td><strong>DECREASE 1922,</strong></td>
<td><strong>18,365</strong></td>
<td><strong>18,</strong></td>
</tr>
</tbody>
</table>

The crusher was operated 96 days in 1922 as compared with 87 in 1921. It, however, operated more days on double shift in 1921 than in 1922. There was also more days in 1922 when there was not sufficient ore to keep the crusher operating to capacity.
The operating cost in 1922 was exactly the same as in 1921, viz: $0.024 per ton; the maintenance cost decreased .004, while the General Expense increased .009 in 1922. The increase in General Expense occurred in two items—"Mine Office" and "Personal Injury," the increases being respectively .0018 and .0076. The increase in "Mine Office" is due to more expense for clerk hire; the increase in "Personal Injury" is due to a settlement of accident alleged to have occurred at the crusher in 1920, Francis Mine Accident Report No. 97.

In addition to settlement for past compensation, regular compensation payments are being continued, which has resulted in a fixed charge of $56.00 per month to this account. The depreciation of plant was completed in 1921 so that there was no charge to this account in 1922.

For this reason the grand total cost for crushing ore in 1922 was 6.1¢ as compared with 8.5¢ in 1921.

**GWINN TOWNSITE:**

One lot in Gwinn Townsite was sold during the past year, viz:

Lot 15 of Block 15. A frame building, formerly used as a bath house, was moved on this lot and set on a concrete foundation. Alterations are under-way to make it into a dwelling house.

Extensive repairs were made to the Gwinn company houses in 1922, in preparation for painting. All the double houses, with the exception of the new houses erected within the last few years, were painted by the spray system. All the houses had two coats; some were given three and others had three on the south side and the front of house above the porch. The appearance of the town has been materially improved.

The Hotel and Hospital Block were painted by hand in the summer. These buildings had not been painted for many years and needed re-painting.
AUSTIN LOCATION:

The work of repairing the Austin houses for painting was started as soon as the houses had been repaired at Swinn. A careful examination disclosed the fact that six of the houses were resting on the ground due to rotting of sills and joist. It was decided to raise these houses 18" when repairs were made, and set the posts supporting the house on concrete footings so that no timber would be in contact with the ground. The expense of this work was considerable, but it will result in less repairs in the future and in the end will cost less than if the houses had not been raised. The improvement at this location is more noticeable than any of the others, as there was one row of houses here which had previously been painted a red color. In painting the houses this year five different colors were used, which were alternated on the houses, resulting in a very marked improvement in the appearance of the location. The siding on a number of the Austin houses were in bad condition due to lack of paint, so that the expense of repairs this year were much higher than in previous years, as it was necessary to repair the exterior of every house thoroughly before paint was applied.

Considerable repairs were made to the company barn, located on the Austin property, and it was also given a coat of paint, while the contractor was painting the company houses.

PRINCETON LOCATION:

All of the sixteen company houses at this location were painted, immediately after the work at the Austin Location was completed. In repairing these houses for painting it was found that more repairs than had been expected were necessary. In renewing the sheathing which had rotted near the base of several of the houses, it was found that the sills and joist were entirely gone due to dry rot.

GENERAL SURFACE:
Before painting, new sills and joist were installed and the posts supporting the houses set on concrete footings. Two of the houses were raised 12", as the old sills were below the ground level. Only two of the houses in the Princeton Location have drop siding; the others have exteriors of ship lap. The two houses with drop siding had been painted ten or twelve years ago; the balance of the houses had not been painted since the company acquired the Princeton property in 1903. Due to the dry and rough condition of the houses sided with ship-lap, the paint was absorbed into the lumber so that two coats failed to make these houses equal in appearance to the houses in the other locations. There has been, however, a big improvement in their appearance.

GARDNER-MACKINAW LOCATION:

The houses in this location, with the exception of those which had been stained, were painted in June. The majority of the houses at this location were given three coats of paint, as two coats did not cover them completely. Very few repairs were necessary here, as the houses had been built relatively only a short time.

DISTRICT OFFICE AND GROUNDS:

The operation of the Central Power Plant in November and December made it possible to clean up the piles of coal left after the burning of the old coal dock. The remains of the old dock uncovered by the removal of the coal were removed; this area must be prepared and planted.

The wood-work of the District Office, Shop building, Central Power Plant and Laboratory were given two coats of paint in the summer. The painting was done by hand, as the only wood-work consisted of the doors, windows and cornice.

GENERAL SURFACE;
GWINN ASSOCIATION:

The Club House continues to be the Community Center for all social and athletic activities of the district. The Club is fortunate in having an exceptionally able manager at the head of its activities. The following report of the years work has been compiled by Mr. Miller, the Secretary:

ATTENDANCE:

Total attendance at building, 74,076
Average monthly attendance, 6,173

Total estimated attendance for all outdoor activities conducted by the Association, including: Ice Skating Rink, Tennis Courts and Playgrounds, Swimming Pool, Baseball Games, Track Meet and Bass Lake Camp, 16,120

MEMBERSHIP:

Membership January 1st, 1922, 367
Membership January 1st, 1923, 436
Low membership for year (July) 294
High Membership for year (December) 456
Average monthly membership, 345

No special effort was made to increase the membership during the first part of the year, as many of the persons making use of the Association facilities were still working on a half time basis. In August a membership campaign was started and continued through September and the result was very satisfactory, there being 120 members added to the roll.

GENERAL ACTIVITIES AND ORGANIZATIONS USING BUILDING:

51 - Rehearsals by Association Band and Orchestras.
11 - Engagements by Band.
29 - Rehearsals by Glee Club and Carol Singers.
3 - Concerts by Association Glee Club.
6 - Sales Fancy Work Articles by Churches.
3 - Suppers by Church Organizations.
8 - Social Parties by Young People (No dancing)
4 - Dancing Classes under supervision School.
34 - Dances Held during year - including regular dances and those on special occasions.
5 - Card Parties.
28 - Meetings by Church Organizations, social work, sewing and health lectures; 9 under the State Home Economics Department.
48 - Meetings, 15 by Directors and Committees; 3 O.C.I. Power Club; 9 Sportsmen, 8 Legion and 14 by other organizations.
300 - Visitors from other places were shown through the building during the year.

GENERAL SURFACE:
EVENTS OF SPECIAL INTEREST:
Annual New Years Ball by Winn Fire Department.
Annual Easter Monday Ball by Basketball Team.
A Series of 3 Community Dances by Association.
Married Folks Dances by the Association.
Carnival by Ladies Guild of Episcopal Church.
Annual Bachelor Club Dance by the Association.
Annual Parent-Teachers Masque and Reception
by School and the Association.
Junior Prom by High School.
Reception and Dance, Baseball and Track Teams-
Association.
Masquerade Ball by Seniors of High School.
Hallow'een Party by Girl and Boy Scouts.
Annual Charity Ball by Association.
Card Party by Local Council Girl Scouts.
Farewell Stag Party in honor of A. C. Buchman.
Community Christmas Tree and Treat for Children
by entire community.
Initial Concert by Association Glee Club.

MOVING PICTURE THEATRE:
146 - Different Pictures Shown
475 - Shows held during year
32547 - Total Paid Attendance

- Adults - 23417
- Children - 9230

SPECIAL FREE SHOWS:
1 - Show, Sportsmen's Association ........... 150
2 - Show, O. C. I. Power Club .................. 75
3 - Shows, Charity Ball ....................... 250
5 - Shows for Children at Christmas .......... 552

Grand Total for Year, 33774

LIBRARY AND READING ROOM:
Number of books contained in Library, 1845
Number books bought during year, 122
Number books donated during year, 45
Number books withdrawn (bad condition) 70
Number books drawn on cards, 4332
Number books drawn on cards per month, 566

READING ROOM:
The following number of magazines and newspapers are
received and placed on the tables in the reading room. This
room is open to all and many enjoy the privilege.
Weekly magazines ..... 10 Weekly Newspapers ..... 4
Monthly magazines ..... 21 Daily Newspapers ..... 4
EDUCATIONAL DEPARTMENT.

Owing to the fact that the Government demands that the local schools maintain classes in Citizenship, the Association discontinued this branch of service and assisted the school in organizing the different classes which are now being conducted during the winter months.

MUSICAL ORGANIZATIONS.

ASSOCIATION BAND:

The Association Band, organized in 1919, is enjoying the reputation of being the best band of the Upper Peninsula. They are fairly well equipped; having a white uniform for summer and marching work, and a heavy blue uniform for winter and concert work.

The Band at present consists of 24 members, and all are residents of the Gwinn District. During the past year the band held 43 rehearsals and had 11 engagements. During the coming year they will change their present high pitch instruments over to low pitch and no doubt this change will increase their present popularity.

The financial condition of the band at the close of the year showed a balance of........................... $36.23

ASSOCIATION GLEE CLUB:

A new organization, but one that is very much appreciated by the entire community. The club was made up of local persons and consisted of 26 members. Two concerts were given at the High School Auditorium and were praised by all those that attended; the club also assisted at other social activities and they surely fill a much desired position in the entertainment line. During the year the club held 20 rehearsals.

Financial Balance at end of year...................... $80.95.

The Association Band and Glee Club are well organized, having their own officers and handling their own funds.

The Association was called upon at different times during the year to assist these organizations, and in doing so expended $56.90. This was used as salary for leader of the Band and to buy music for both organizations.
PHYSICAL AND ATHLETIC DEPARTMENT

Including all work conducted in the Gymnasium, Swimming Pool and all outdoor activities and recreations; such as, Baseball, Football, Track, Tennis, and Playground Courts, also the Outdoor Swimming Pool.

The interest in this department continued despite the fact that many of the younger members left for other employment. Those using these facilities were benefitted both morally and physically.

Summary of the Activities of the Physical Department:

<table>
<thead>
<tr>
<th>Periods</th>
<th>Attendance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boys Gym Classes, including School Basketball Practice</td>
<td>21</td>
</tr>
<tr>
<td>Girls Gym Classes, including Basketball Practice</td>
<td>27</td>
</tr>
<tr>
<td>Seniors using Gym for class work - Basketball, Handball, Volleyball, Indoor Baseball, Boxing, Wrestling and recreational games</td>
<td>117</td>
</tr>
<tr>
<td>Older Girls Gym</td>
<td>9</td>
</tr>
<tr>
<td>Boys supervised Swimming</td>
<td>39</td>
</tr>
<tr>
<td>Girls supervised swimming</td>
<td>26</td>
</tr>
<tr>
<td>Number Baths taken during year</td>
<td></td>
</tr>
</tbody>
</table>

Basketball games during year - 4 games between local teams, 16 games at home with outside teams and 13 games away from home.

A Volleyball League formed during the winter affords much interest to the men participating. 4 teams completed a 48 game schedule and 43 different men played. Many of the older members of the Association participated and no doubt this will be a yearly affair.

The Association, as in other years, constructed and maintained an Ice Skating Rink in the rear of the club property. The rink is a trifle small but by adhering to a schedule all those interested in this sport find a chance to enjoy same. The rink was in good condition during January, February and the first part of March.

Attendance - 4555

Attendance on playground and Tennis Courts - 1340

Unfavorable weather interfered with a successful season at the Outdoor Swimming Pool supervised by the Association and located in the East Branch of the Escanaba River.

Attendance - 1100

BASEBALL:

The third season of the Mine Baseball League opened with three teams, but unfortunately one of the teams was compelled to disband on account of losing several of its players near the end of the season.
Summary of the Activities of the Physical Department (continued)

BASEBALL:
The Francis Mine Team were the winners and have the honor of twice having their name on the Baseball Trophy Cup presented to the Association by Mr. Wm. G. Nather, in 1920.

The Association finances the league and all games are free to the spectators. Many a pleasant evening is spent at the High School Grounds during the summer where all the games are played. As in other years, the ladies take a great interest in the games and the league will be continued the coming year.

The Association Team or City Team is made up from the best players of the Mine League. They enjoyed a successful season, playing 14 games, winning 7 and losing 7. Games were played with the best teams of the county and also entered the baseball tournament at the Marquette County Fair. The team in every respect is an amateur organization, all players playing for the love of the game.

Total attendance for all home games.................. 6500

FOOTBALL:
Owing to the fact that the men were employed throughout the day and it would be impossible to find time to practice the football team was not organized. The equipment was loaned to the High School and the students made good use of same. Games were played between the different class teams and quite a fine display of class spirit was developed.

TRACK:
The Second Annual Track and Field Meet was held July 24th, and as predicted, the event was more successful than the first. The prizes offered by the local merchants were even more suitable and the spirit in which they were given was very commendable. Ideal weather brought out the largest attendance at any one event for the summer and all enjoyed the regular events as well as the novelty races which were arranged for men, women and the children.

Number of events.......................... 19
Total number entering...................... 186
Cash value of prizes....................... $1150.00
Attendance................................. 500
Summary of the Activities of the Physical Department (continued)

BOULING:

The Mine Bowling League was again organized, and each team completed its quota of 45 games.
Team Number Four won the Championship and the privilege of having its name engraved on the "M. M. Duncan" Bowling Trophy, presented to the Association in 1921.

BASS LAKE CAMP COTTAGE.

Camp opened June 1st: Closed October 15th.

Estimated attendance for season....8125

Number families using camp at different periods for entire week... 5
Parties using camp week-ends....... 14
All day Picnics..................... 16
Families using camp evenings for basket picnics..................... 27
Girl Scouts had use of camp (days)........ 8
Boy Scouts had use of camp (days)........ 6

Receipts for boat hire for season $ 21.40

The Bass fishing was very good and many fine catches were made. The cottage and camp grounds were kept in fine condition during the entire season.

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SCOUT ACTIVITIES.

GIRLS:

The girl scout movement organized in 1920 had a fine year and were very active.

Two complete troops are now organized and meet weekly in the Association gymnasium.

Troop number one continues to be the most active and the girls have accomplished much for the good of the community and themselves.

The following summary covers the work of both troops for the entire year. The largest part of the work has been done by troop number one.
SCOUT ACTIVITIES (Continued)

GIRLS:

Class meetings — — 68

10 - Parties = Social and those to raise
money were held.
7 - Hikes and Outdoor Picnics.

8 - Days spent at Bass Lake Camp

During Christmas week baskets were given
out to the needy and flowers to the sick.

Funds collected during year - including
amount of Rummage Sale held by Local
Council........................................  $ 128.10

BOYS:

41 - Class Meetings — — —
7 - Recreation periods — — —
6 - Days at Bass Lake Camp.

During the year a Book Campaign was made and the
books collected were given to the Association
Library.

Special repairs and new equipment added during
the year, expense of which was met by the Association:

EQUIPMENT:

8 - Set Bowling Pins Purchased.
100 - Ft. New Garden Hose.
18 - Chairs purchased for Community Room.
New Lights installed in Gymnasium.
New Lights installed in Theatre and new
arrangement on switches to conform to State Law.
New Set Billiard Balls.
New Oil Stove for Club Kitchen.
New Baseball, Tennis, Basketball and other
athletic articles purchased.
New cloth for all pool and billiard tables.
The usual stock of office supplies and stationery,
including 7 year ledger, also janitor and library
supplies purchased.
Special repairs and new equipment added during the year - (continued)

CONSTRUCTION WORK AND REPAIRS:

2 - New boats constructed for Bass Lake Camp.
Repaired one end of swimming pool; necessary to secure new tile.
All storm windows repaired and painted.
Wire fence around tennis court repaired and wire fence on part of club property re-arranged.
Two rooms in living quarters re-calcedimined and floors varnished.
Floors throughout entire building oiled.
Roof and tin gutters repaired.
Stairway to basement calcedimined and steps varnished.
Bowling Alleys sand-papered and shellaced.
3 Bowling balls repaired.
Symposium thoroughly cleaned, walls scrubbed and floors repaired.

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It is recommended that cement walks be built in the Club House grounds, as it is impossible to keep the building clean in the spring and fall, with the present soft limestone walks.

It is earnestly hoped that the present motion picture room will be enlarged in 1923. The present room is very small and is usually crowded, the ventilation is very poor and it is also hard on the eyes, as the seats extend within ten feet of the screen.