GENERAL SURFACE

GREEN DISTRICT CRUSHING PLANT:

There were only a few repairs necessary on the crusher before it went into operation the last of April. It was operated on single shift during the summer, but owing to the small shipments, the operation was very intermittent. Crushing was completed in October, when the crusher was closed down. The gyratory crusher was repaired in December, new lining plates being put in and the bearings re-babbitted. There is a new head shaft, key and sprocket for the steel conveyor on the ground, which it had been planned to install after crushing was finished. Owing to other work, this job was postponed until the spring of 1924.

Following is a summary of the ore crushed in 1923, and 1922:

<table>
<thead>
<tr>
<th>MINE</th>
<th>TONS CRUSHED</th>
<th>TONS CRUSHED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stephenson,</td>
<td>35,863</td>
<td>76,914</td>
</tr>
<tr>
<td>Austin,</td>
<td>48,729</td>
<td>2,714</td>
</tr>
<tr>
<td>Quints,</td>
<td>28,529</td>
<td>26,436</td>
</tr>
<tr>
<td>Gardiner-Mackinaw,</td>
<td>10,264</td>
<td>40,180</td>
</tr>
<tr>
<td>Francis,</td>
<td>0</td>
<td>11,437</td>
</tr>
<tr>
<td>Princeton,</td>
<td>3,427</td>
<td>3,442</td>
</tr>
<tr>
<td><strong>Total,</strong></td>
<td><strong>127,542</strong></td>
<td><strong>155,130</strong></td>
</tr>
<tr>
<td><strong>DECREASE, 1922,</strong></td>
<td></td>
<td><strong>37,588 tons.</strong></td>
</tr>
</tbody>
</table>

The crusher was operated 90-3/4 days in 1923 as compared with 96 days in 1922. There were a number of days in 1923, as also in 1922, when there was not sufficient ore to keep the crusher operating to capacity.

The operating costs in 1923 were slightly higher than in 1922, due to the small tonnage crushed and extraordinary expense for maintenance of railroad tracks, which was charged under "Operating". This increase amounted to .019¢ per ton. There was a slight decrease in the General Expense, as also in Maintenance.
AUSTIN LOCATION:

The work of raising the Austin houses, where the sills and floor joist had rotted, due to resting on the ground, was continued during the past summer. All of the houses on the lower street of this location have now been raised and set on concrete posts. There are a number of houses on the upper street which will have to be raised and repaired, but it was not possible to do this work in 1923.

PRINCETON LOCATION:

During the past year new fences have been built on the front of the lots at all of the company houses in this location. Woven-wire fencing, 42" high was used, taking the place of the old board and barbed wire fences. The material from the front fences was then used for repairing the side and rear fences.

DISTRICT OFFICE AND GROUNDS:

The Central Power Plant has operated more during 1923 than for many years past. This was due to the low stage of the water in the rivers, which rendered it necessary to operate the steam generating plants to supply current needed to operate the mines. Just before the close of navigation the coal dock was entirely filled, and additional stocking capacity was obtained by using a scraper and double-drum puffer to move coal away from the trestle so that more could be dumped.

The work of preparing and planting the area between the laboratory and the new coal dock, this area being formerly covered by the old coal dock, was completed late in the fall. The ground was graded and leveled, several inches of good soil put on top and grass seed planted. Poplar trees have been set out around this area and also shrubbery. The lawn area North of the office has been extended down to the fence a distance of about 100 feet, the ground leveled and seeded to lawn grass.
GWAIN ASSOCIATION:

Under the able management of Mr. E. L. Miller, Secretary, the Gwain Association club house has been the center of all social and athletic activities of the district. The club house has been used more during the past year than ever before.

The following report of the year's work, compiled by Mr. Miller, gives a record of all activities:

ATTENDANCE:
Every effort has been made during the year to secure an actual record of the number of persons using the Association building or attending activities that are under the direction of the Association. Although these totals are estimated we submit them with the note that they are conservative.

Total attendance at building, 77,335
Average monthly attendance, 6,445

Total estimated attendance for all outdoor activities conducted by the Association; including, Ice Skating Rink, Tennis Court, Playground, Swimming Pool, Baseball Games and Bass Lake Camp, Attendance, 11,810

MEMBERSHIP:
Membership January 1st, 1922, 435
Membership January 1st, 1924, 366
Low membership for year (June) 342
High membership for year (April) 441
Average monthly membership, 398

According to the number of men employed in the district during the year, the membership roll was maintained at a very satisfactory point and the pleasant feature regarding this is the fact that those holding membership make very good use of the Association Building and the facilities it has to offer. The annual membership drive was made in August.

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TOTAL RECEIPTS AND DISBURSEMENTS:

RECEIPTS:
Total receipts including 1922 balance, $8,124.25
Total expenditures for year, 8,632.47

Balance, 95.76

THEATER:
Receipts for 1923, 5,325.54
Expenditures for 1923, 4,627.53

Profit, 797.91
Deposited on future pictures, 87.25

GENERAL SURFACE: 266
BUFFET:
Receipts for 1923, $983.95
Expenditures for 1923, $724.47
Profit, $259.48
Inventory of Buffet stock, Jan. 1st, 1924, $32.50

ROWLING POOL AND BILLIARDS:
Receipts for 1923, $519.20
Expenditures for 1923, $318.63
Profit, $200.57

GENERAL ACTIVITIES AND ORGANIZATIONS USING BUILDING:

43 - Rehearsals by Association Band and Orchestras
11 - Engagements by Band
20 - Rehearsals by Glee Club and Carol Singers.
5 - Sales of Pantry Work Articles by Church Organizations
2 - Suppers by Church Organizations
4 - Social Parties by young people (no dancing)
5 - Dancing Classes under supervision of School
2 - Card Parties
10 - Weekly Matches played by Inter-Club League
14 - Meetings by Church Organizations for Social work and sewing lessons. Two conducted by outside workers.
31 - Dances held during year - including ordinary dances and those covering some special event.
39 - Meetings - 12 by Directors of the Association and committees - 3 O. C. I. Power Club - 12 by Sportsmen's Association - 4 American Legion and 9 by other organizations.
54 - Luncheons served at different functions during the year
400 - Visitors were shown through the building during the year.

EVENTS OF SPECIAL INTEREST:
Easter Monday Ball by Basketball Team
Married Folks Dance by Association
Junior Prom by High School
Card Party by Girl Scouts Council
Musical by Boy Scouts
Fete and Carnival by Girl Scouts
Farewell Dinner Party in honor of Mr. O. E. Brown by Baseball Team
Reception and Dance by Association
Annual Bachelor Club Dance by Association
Hallow'een Ball by American Legion
Annual Supper by St. Anthony's Guild.
EVENTS OF SPECIAL INTEREST (Continued)

Annual Parent-Teachers' Reception and Dance by Association and School.
Annual Ball - Proceeds to fund for Children's Christmas Treat.
Sportsmen's Annual Roundup and Stunt Night
Community Christmas and Tree for Children by Entire Community.
Annual New Years Ball by Firemen.

MOVING PICTURE THEATERS.

149 - Different Pictures Shown
543 - Shows held during year
38,988 - Total paid attendance: Adults - 28,194
Children - 10,794

SPECIAL FREE SHOWS:
1 - Show Sportsmens Association, 130
2 - Shows "Nanook of the North" for School Children, 250
2 - Shows in connection with Ball for Christmas Treat Funds 152
5 - Shows for Children at Christmas 636

Grand Total for Year, 40,158

The grade of pictures shown during the year was much higher than in previous years, and many favorable comments were expressed by the members on the majority of the films exhibited.

ADMISSION PRICES CHARGED DURING YEAR

39 - Shows at 10 cents An admission price of
69 - Shows at 15 cents 5 cents was charged for
36 - Shows at 20 cents all afternoon shows for
4 - Shows at 25 cents the children except on
1 - Show at 30 cents four occasions.

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LIBRARY AND READING ROOM.

LIBRARY:
Number books contained in library, 1,248
Number books purchased during year, 6
Number books donated during year, 18
Number books withdrawn (bad condition) 73
Number books loaned on cards, 3,266
Number books loaned per month, 272

READING ROOM:

The Reading Room proved very popular during the year. It is impossible to ascertain the number making use of this privilege, but all of the newspapers and magazines are enjoyed. The most popular magazines are those that describe out-door life.

GENERAL SURFACE:

268
LIBRARY AND READING ROOM (Cont'd.)

READING ROOM:
The following number of magazines and newspapers are received and placed on the tables in the reading room:

Weekly magazines, 8 Weekly Newspapers, 4
Monthly " 21 Daily " 3

MUSICAL ORGANIZATIONS.

ASSOCIATION BAND:
The Association Band after enjoying a successful run without a break for four years, had the misfortune to lose several of its members during the latter part of the year, and in December it was decided to postpone rehearsals until the spring of 1924.
At the beginning of 1923, all instruments in the Band were changed from high to low pitch, and during the summer the band was at its height in musical ability and popularity. At that time the band contained 24 members, but at the present time it numbers but fourteen.
During the year, the Band held 33 rehearsals and filled 11 engagements.
The December statement from the Treasurer shows a balance of; ............................ $62.75.

ASSOCIATION GLEE CLUB:
The Glee Club was organized in 1922, and proved very popular. They were again on the job this year and were responsible for bringing four very fine entertainments to the district. Three of them have been given and the final number will come early in January.
The entertainment course was secured through the Redpath Bureau. This has proved very popular with the entire community and the course was a success financially.
The club is also rehearsing for their annual concert and from the enthusiasm shown by the entire personnel, it will be well worth hearing.

During the year they held 15 meetings, and rehearsals. Attendance at the three entertainments, 1,100.

One of the fine features of this organization is that they are always willing to assist at any community event where vocal numbers are desired, without charge.

Financial statements at the end of the year shows a balance of ............................ $40.51.

As in other years, the Association assisted the Band and Glee Club when possible, and besides the moral support, contributed $210.35. This was paid out as salary for the leader of the band, and to purchase music.
INTER-CLUB CROSBAGE LEAGUE.

During January, the Inter-Club Cribbage League was organized, with six teams and eight men to the team. Matches were played, one every week, and the schedule was completed in ten weeks. The Masonic Club were the winners.

RADIO PHONE

In March, the Association received as a gift from the Cleveland-Cliffs Iron Co., a fine Radio Receiving Set fully equipped with loud speaker, and with two stages of amplification. Many Radio fans have developed since its arrival, and the present schedule is arranged so that the children as well as the older members have the opportunity to hear the fine programs that are received. During the summer results of baseball games were secured early in the evening, and during the football season the important games were received play by play.

Number of hours Radio Phone was used, 435
Total attendance at programs (estimated) 4,500

BOWLING:

Bowling proved one of the most entertaining of the indoor pastimes. The bowling league conducted for the men consisted of six teams of four men each. The league completed its full schedule of 60 games and the standings of the different teams at all times was close and the interest was maintained until the finish. The alleys were in good condition during the entire season.

The team bowling under the name of "Professionals" won the Championship, and the privilege of having their name placed on the M. W. Duncan bowling Trophy, presented to the Association in 1921.

During March and April a league was organized for the women. They completed the schedule and have requested the use of the bowling alleys one night per week during the coming year.

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PHYSICAL AND ATHLETIC DEPARTMENT.

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

All physical activities of the Local High School were conducted through the Association and by Association employees.

GENERAL SURFACE:
PHYSICAL AND ATHLETIC DEPARTMENT (Cont'd)

The High School program began early in January and was brought to a close the latter part of April, with an exhibition illustrating the work they received during their class periods.

Although there were no regular classes organized for the seniors, they were active and used the Gymnasium as often as convenient. The business men met weekly and had a fine class.

SUMMARY OF THE ACTIVITIES OF THE PHYSICAL DEPARTMENT.

<table>
<thead>
<tr>
<th>Periods</th>
<th>Attendance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boys High School Physical Training Classes</td>
<td>86</td>
</tr>
<tr>
<td>Girls &quot; &quot; &quot; &quot;</td>
<td>72</td>
</tr>
<tr>
<td>Boys and Girls Basketball Practice</td>
<td>56</td>
</tr>
<tr>
<td>Business Men's Organized Classes</td>
<td>12</td>
</tr>
<tr>
<td>Boy Scouts using Gymnasium for Recreation</td>
<td>13</td>
</tr>
<tr>
<td>Supervised Swimming (Girls)</td>
<td>23</td>
</tr>
<tr>
<td>Supervised Swimming (Boys)</td>
<td>24</td>
</tr>
<tr>
<td>Seniors using gymnasium for Basketball, Handball, indoor baseball, volleyball, boxing, wrestling and re-creative games</td>
<td>72</td>
</tr>
</tbody>
</table>

Total, 7,028

Number baths taken (estimated) 6,300

Basketball games during year - 12 games between local teams - 12 games at home with visiting teams and 13 games away from home. The Swinn High School Team entered the Class "B" Tournament at Marquette and the Association Team entered the Independent Tournament at Crystal Falls. Both teams made a creditable showing.

Local Scout and High School Class basketball tournaments were held and created much interest.

The outdoor skating rink was maintained as in other years, and the schedule arranged permitted all those desiring a chance to enjoy the pastime. The rink was in good condition for 47 days during January, February and March.

Attendance, 4,765

Attendance on Playground and Tennis Courts, 798

BASEBALL:

The fourth season of the Mine Baseball League was opened with 4 teams and although they were handicapped by short evenings, they were able to play out a four week schedule. The Stephenson Mine team were the winners and share the honor with the Francis Mine team of having their name twice placed on the Baseball Trophy Cup, presented to the Association in 1920 by Mr. Wm. G. Mather.
SUMMARY OF THE ACTIVITIES OF THE PHYSICAL DEPARTMENT

BASEBALL: (Continued)

As in other years, the Association finances the league and all games were free to the spectators. The fans are all hoping that we will have daylight saving time the coming summer, so that the league schedule may be increased and the same number of games played as in previous years.

The Association team which is made up of the best players in the mine league had a full schedule with some of the best teams in the county. They were successful in winning 5 games of the 11 played. The team continues to keep its amateur standing, and the men play the game for the actual sport they get out of it.

Total attendance for all home games, ................. 2,450.

FOOTBALL:

The Association did not maintain a football team, but the local high school played inter-class games which were interesting. The material for these games was furnished by the association. The final game was played election day and the winners received a football trophy donated to the Swim High School. These games brought out a fine spirit of fair play, and sportsmanship.

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BASS LAKE CAMP COTTAGE.

Camp opened June 1st. Closed October 15th.

Estimated attendance for season, 1,600.

Number families using camp at different periods for entire week, ................. 6
Parties using camp week ends, ................. 14
All day picnics, .................. 11
Parties using grounds for basket-picnics, ................. 42
Girl Scouts had use of camp (days), ................. 8
Boy Scouts had use of camp (days), ................. 6

Receipts for boat hire for season, $ 21.15.

Two new boats were added and old boats repainted. Two new docks were constructed and a slide for children to use while bathing was installed. Many more people made use of the bathing facilities and no doubt in the future it will be necessary to construct change rooms.

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SCOUT ACTIVITIES.

GIRLS:

The Girl Scout movement in Swim is now three years old and the entire community may well feel proud of the results obtained.

GENERAL SURFACES:
SCOUT ACTIVITIES (Continued)

GIRLS:

Two complete troops are being instructed and they meet weekly in the Gymnasium.

The following report covers the work of both troops:

Class Meetings: 78, Attendance, 1,508.

13 - Social Events and Parties, including entertainments to raise funds.

8 - Hikes and Outdoor picnics.

1 - Ceremonial night and presentation of badges, at which event 84 merit badges, 10 second class and 2 attendance stars were awarded.

2 - Addresses were given to the Scouts by outside parties, and several special events to raise funds were held during the year. The Local council held its annual rummage sale, which was very successful.

The Association assisted when possible and donated the sum of $20.00 to the Local Council to be used as they found necessary.

BOYS:

The following covers the activities of both troops. The larger boys or Troop number one has been active since 1919. Troop number two was organized during the fall of 1922.

56 - Meetings: Attendance, 1,080

11 - Recreation Periods 163

7 - Days at Bass Lake Camping,

2 - Over-night Hikes.

Baseball and Basketball tournaments were held for both troops.

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BUILDING MAINTENANCE.

The usual amount of equipment to keep all the departments in good working condition was purchased by the Association.

This covers Bowling pins, bowling balls, replaced pool balls and cues, athletic supplies, new cloth for pool tables, janitor and library supplies.
CONSTRUCTION AND REPAIR WORK.

2 - New boats for Bass Lake Camp.
2 - New docks at Camp.

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 1924. 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.

ACCIDENT TO EQUIPMENT.

CENTRAL POWER PLANT:

On Saturday, January 20th, the high-pressure cylinder on the compressor at the Central Power Plant cracked near the top of the cylinders; the crack extended longitudinally, and was 18 in. in length. The attention of the engineer was drawn to it by the noise of the escaping air, and the compressor was immediately shut down. It was fortunate that the cylinder did not explode, in which case there would have been serious damage to all machinery and electrical equipment in the engine room. For several days following this accident, the mines were furnished air by the small compressor at the Francis Mine. A pressure of 75 pounds was maintained at the Francis, but the air pressure at the Austin and Stephenson Mines did not average 55 pounds. It was necessary to stop all rock work at these mines, but it was possible to continue mining ore as the auger drill machines would work at a pressure of 55 pounds. A heavy casting was obtained from the Lake Shore Engine Works, which permitted of the
temporary repair of the cylinder, the compressor going into operation again on Thursday, January 25th. The governor was set at 70 pounds, and air was furnished the Austin and Stephenson at this pressure until the new cylinder was received and installed early in March. An air pressure of 70 pounds pressure was sufficient for operating the auger drill machines in ore, but good results were not obtained with the Leyner machines in rock, as this pressure was too low for efficient operation. As soon as the new cylinder was installed, air was supplied at 80 pounds pressure.