

WANTED
A Title for this
Publication

? Title Wanted ?

Every Employee
Eligible in Title
Contest

VOL. 1. NO. 1.

"WHAT C. & H. MEN ARE DOING"

NOVEMBER, 1942

SINKING OF "B" SHAFT SETS A NEW RECORD

FOUR CREWS SINK SHAFT 210 FEET IN THIRTY DAYS

A new shaft sinking record has been established in the history of Copper Country mining. "B" shaft was sunk through a treacherous hanging-wall that required extra timbering and close supervision to a depth of 431 feet at which point it was considered safe enough to set a contract for speed sinking.

The contract was started October 16 at 431 feet and continued through November 15 to a depth of 641 feet advancing 210 feet during a one month period. Timbering was carried along with the mining and mucking,

men William Langdon, Hubert Abrahamson, Paul Lassila and Garfield Maynard; surface engineers and bucket dumpers Axel Carlson, Chas. Walikangas, Anthony Gregorich, Wallace Olkkonen, Glenwood James, Sivert Koski, Raymond Palosaari, Waino Rajaniemi, Edward Pepin, Edwin Rajaniemi, Arthur Remillard, Michael Popp; shaft miners Fergus Therrian, Louis Pastor, Jr., Irving Sakkinen, Anton Abe, Ernest Picchiotto, Roy Ellola, August Erickson, Hjalmer Alatalo; muckers John Kamarainen, Ernest Mukka, Steven Laiti, Matt Peterson, Charles Garrow,



Standing—Napoleon Deslongchamp, Wilbert Koopika, Axel Carlson, Oiva Bjorn, Louis Pastor, Charles Haddon. Kneeling—Wallace Olkkonen, Paul Lassila, Jr., Anthony Gregorich, Irving Sakkinen.

practically completing the shaft as it progressed.

There were 4 crews of 13 men each, 10 men underground including the charginer, and 3 men on surface, 2 engineers and a lander. The crews staggered their working shifts so that 3 crews worked each day and 1 crew was idle. The sinking was under the direct supervision of Captain Hogarth Penpraze and head timberman Elmer Maatta.

The crews were made up of charge-

men Conrad Johnson, William Marjamaa, Frank Parker, Arthur Harjala, Napoleon Deslongchamp, John Jackman Oiva Bjorn; timbermen, Rudolph Klobucher, Benhart Dextrom, John Yowell, Axel Dryge, Jr., Oscar Heikinen, Wesley Pietila, Henry Jeanotte, Wilbert Koopikka, Donald Nicholls, Karl Parks, Wesley Korri, Charles Hadden, Anton Gorjup, Fritz Known, Otto Schmidt, Eino Lampinen.



Standing—Elmer Maatta, Otto Schmidt, Raymond Palosaari, Eino Lampinen, Frank Parker, Michael Popp, Roy Ellola. Kneeling—Hjalmer Alatalo, Hubert Abrahamson, J. Sivert Koski, Wesley Pietila.

RECLAIM VITAL METAL IN LEACHING PROCESS

Ever hear of steel clad with gilding metal? That is what Uncle Sam is using instead of brass for jacketing small calibre ammunition. The result is a large saving of critically needed copper.

In the manufacturing process there is produced a large tonnage of steel coated with 20% gilding metal (containing 18% copper and 2% zinc.) In searching for some method of recovering the copper from the coating and releasing the steel for remelting, it developed that for some time Calumet and Hecla metallurgists had been successfully experimenting with the ammonia leaching process on similar materials. Result: The War Production Board has requested Calumet and Hecla to treat 2,500 tons monthly and, if successful, possibly to double this tonnage. Calumet and Hecla management willingly offered to do the job. Negotiations are now underway. The copper will be recovered as copper oxide which will be reduced to pure copper and cast into shapes at the smelting works. The clean steel residue, 100% of it, will be shipped to the nearest steel company for remelting.

The beauty of the Calumet and Hecla process is that no new plant need be built (excess leaching capacity can be used) and, important to the Army and Navy, the copper and steel can be recovered and put to use again in less than a month after its receipt at Lake Linden.

SAFETY FIRST! BUY WAR BONDS

PRIZE FOR NAMING PAPER IS WAR BOND

EVERY EMPLOYEE INVITED TO SUBMIT TITLE IN CONTEST

JUDGES WILL SELECT THE WINNER

The official name of this publication will be decided upon by a committee of employees of the company. The employee submitting the winning name will receive a \$25.00 War Bond as a prize for his efforts.

There are no strings attached to this contest. While it is confined entirely to employees of the company, any person on the payroll may sub-

C. & H. MANUFACTURES COPPER IN DETROIT

WOLVERINE TUBE PLANT MAKES A WIDE VARIETY OF TUBING

The Wolverine Tube Company, located on Central Avenue, just north of Fort Street, in Detroit, has been known for a number of years as one of the best and most progressive tube making mills in the country. When it became a part of the Calumet and Hecla Consolidated Copper Company recently, two fine organizations were fused into one. The tube division now is assured of a constant supply of the best copper in the world for manufacture and the copper producing division of the company is assured of a constant outlet for its product through manufacture.

Already the fusing of these two industries has had its pleasant reactions, for it has brought into this mining area some of the officials of the acquired company to meet with those men who produce copper and become familiar with the practices used in supplying the smelter product which goes into the manufacturing process. Among those who have visited here frequently of late are Otto Klopsh, general manager of the tube division, George Craig, of the C. & H. New York office and Joseph Andrews, master mechanic of the Tube Company.

An interesting display of the products made and sold by the Tube division are on display at the Calumet office of the C. & H. and those who take the time to inspect the collection will find it very interesting.

mit a name. The name selected will be one which is characteristic of the paper and its services to the employees.

Here is a chance to win a Bond. Put on the old thinking cap and send in your suggested name to the Name Contest Committee.

The following representative committee has been named to judge the title contest and to select from the suggested names for our publication, the title which will be used as the permanent name: Clyde Miller, Lake Linden Reclamation Plant; Richard Rowe, Ahmeek Mill; Peter Dimmer, Calumet Surface; John Korri, No. 2 Ahmeek Underground; John Soivio, No. 3-4 Ahmeek Underground.

MAIL ALL SUGGESTED TITLES TO EDITOR, BOX NO. 231, CALUMET, MICHIGAN.

This is the first issue of our monthly bulletin. This is your paper. It belongs to each and every employee. The more interest you take in the progress of the publication, the more successful it will be. Each of you can help out by contributing news to your branch reporter. There is a lot that we don't know about publishing a bulletin, but we hope to learn and improve with time. Your suggestions will be gratefully received.

Spread out as the departments are, geographically speaking, employees of one department know very little about the personal items and production problems in a neighboring branch. We hope this paper will help to weld this organization into a more closely knit unit.

In addition to items of personal interest, we plan to print vital information concerning the progress of the Company: what it is doing to help win the war and what its plans and hopes are for the future.

Let us all help to make this enterprise a grand success!

E. R. LOVELL, General Manager

Fellow Employees:

I have been asked to contribute something to this first issue of our own paper, and I gladly do so.

This publication is started with a very definite purpose. There is nothing truer than the old saying—"In unity is strength." But to be truly united we must become better acquainted with each other. It is not enough to do our own particular job well; we must understand and be interested in what the other fellow is doing and how he is getting along. This paper, which will be published at frequent intervals, is designed to help bring about such better understanding and interest. Its columns will be open to contributions, suggestions and interchanges of ideas. It should bring us all closer together and weld us into a more compact and efficient organization to do the big jobs ahead of us.

At present we have two such big jobs which are of supreme importance. First and foremost we must win the war. In this job every one of us is taking an active and important part. Copper in fabulous quantities is a vital necessity in modern warfare. Our armed forces are crying for more and more of it. Every additional pound of copper we can produce means that much more ammunition and speeds the day when the enemy will be down on his knees begging for mercy. We must let nothing interfere with our making a record in doing Job Number One.

And our second job of supreme importance to us in the Copper Country, and to which we are bending all our energies, it to discover, explore and develop the hidden mineral resources of this district. If our efforts are successful, as we all hope they will be, we shall banish for a long time the spectre of Calumet and Ahmeek and Lake Linden and Hubbell as "ghost towns."

In these two efforts I want to bespeak the goodwill and enthusiastic cooperation of every one in our organization.

At the election held on November fifth and sixth, a clear majority of the eligible Calumet and Hecla employees expressed their free wish to

be represented by the International Union of Mine, Mill and Smelter Workers, Calumet and Hecla Company Workers Local 548 (C.I.O.) The Management takes this expression of the employees at its face value and although this action involves a different method and procedure in employee dealings, will do its utmost to preserve the goodwill and pleasant relations which have existed in the past.

In copper circles, "Calumet and Hecla" is a name to conjure with. It's a grand company with a wonderful record behind it. It's our company—we made it, we are keeping it going, and if our united and determined efforts mean anything, we will not let it wither and die on the vine.

Let's keep our chins up and face the future with courage and confidence. In that way only can we find contentment of mind and pleasure in our work.

And so let's use this little paper to close the ranks and bring us closer together. Better understanding will unite us more completely for the work ahead of us.

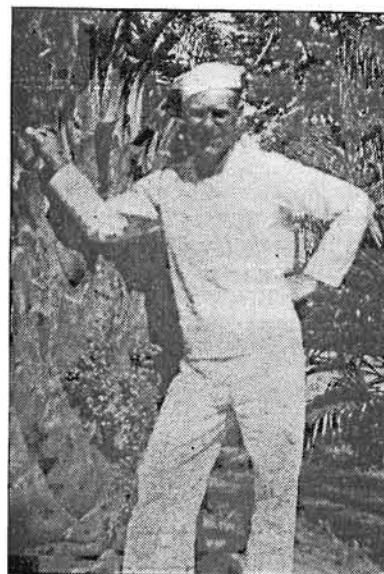
Yours sincerely,

A. E. PETERMANN,
President

SOLOMONS HERO BRINGS GOLD STAR TO CALUMET

Ernest Gareau, of Calumet, died of wounds aboard the destroyer Boise during the historic battle of the Solomons on October 12. He was one of a gunnery crew which sank two Jap ships, while his shipmates were destroying several other Nipponese war boats. Ernest was buried at sea with all the honors befitting a hero.

Ernest Gareau's sacrifice will not be in vain. Though the loss of their



Ernest Gareau

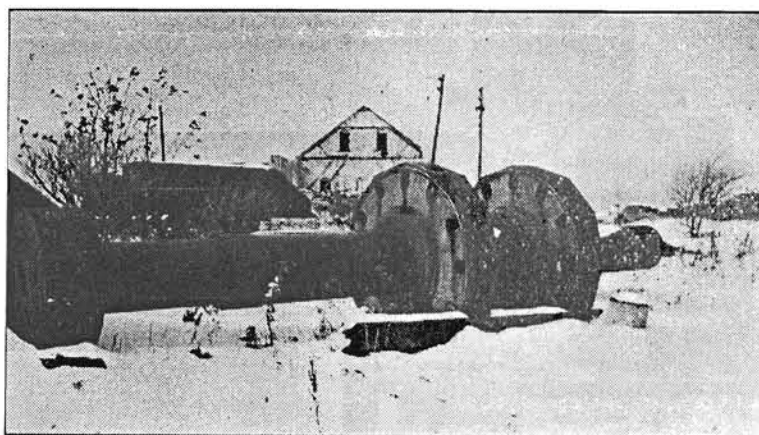
son must weigh heavily upon the family, which has three more boys in the armed service of Our Country, they have the assurance that those who neighbor with them will lend their every energy towards a greater effort to destroy the enemy which took their son's life. His name shall be inscribed in gold in the memory of those who knew him. His golden star shall inspire others to greater deeds here on the home front.

John Gareau, father of Ernest, is a former employee of the C. & H., and his two brothers, Arthur and Alphonse are employed with us, while a sister, Miss Lucille, is a librarian here.

Alphonse who has been on our electrical staff, left this week to enter the army, being the fourth son of this family to take up arms for his country.

Accidents Help The Axis
KEEP 'EM FIGHTING!
Work Safely

Going Back to Germany



Several of these three ton steel shafts, made by the Krupp Gun Works in Germany, are now being returned to the Nazis. They will look much different than this picture when they arrive in Germany, however, as they will be made into giant bombs which our flying fortresses will use in softening up the Reich.

THE COPPER BATTALION

This is the first issue of a monthly publication, in the columns of which, will be found items of interest to the employees of the Calumet and Hecla Consolidated Copper Company and to the communities in which they live. The story of copper is a vast one, which could not be told in one mere day, nor can the story of those who glean the copper from the hidden recesses of the earth be told in a single issue of this publication. Each and every issue from month to month will be filled with items of genuine interest about the mine and its allied plants and about the people who are employed in them.

The activities of the Calumet and Hecla exercise their influence around the world today, wherever our fighting men, or those of our allies, are engaged in the herculean task of winning the victory. Every ounce of copper gleaned from the mines and from the sand banks goes into arms and armaments. Every employee of this company is a soldier behind the lines, supplying our fighting men with the equipment of battle, just as real as if they stood there behind them handing the ammunition into the gun breeches, or loading bombs into the racks of our flying fortresses. No arsenal in the country is of more importance than OUR MINE. No job, wherever it may be in this all out effort to supply the best copper for the best fighting force upon the earth, is more essential.

This publication shall dedicate its columns to facts about those fine men who man the machines, move the earth, grind the rock, melt the ore and cast the metal that will eventually smash the Axis into eternal submission to the will of free and liberty loving people. Every employee is invited to contribute to the columns of this paper by handing in newsy items about himself and his defense plant partner. Opportunity to provide this news will be presented through the medium of a correspondent in each branch of the company. If it concerns you, it is news! You are a part of the Copper Battalion.—The Editor.

WAR BOND DRIVE PROGRESSING

The drive to enroll all employees in the Payroll Deduction Plan for the Purchase of War Bonds, which started in September, is showing some real results. In September \$9,375.00 worth of bonds with a maturity value of \$12,500.00 were purchased thru the plan. This figure jumped to \$15,675.00, maturity value of \$20,900.00 in Oct. still leaving a cash balance in the Bond Account of \$21,151.37. This balance will, of course, be used up as each individual member of the plan accumulates to his credit a sum sufficient to purchase a bond. November figures are not available as this paper goes to press.

The payroll deduction plan is the most convenient method of buying War Bonds, and everyone is urged to make use of this method of purchasing them. It is our duty to invest as much as we can in bonds and the deduction plan is at your service. If you are not already participating in it, see your timekeeper for the necessary enrollment card. All of us would like to see a Minute Man Flag flying over us—let's make ourselves worthy of it.

PROGRESS BEING MADE IN NEW EXPLORATION

Exploratory work being carried on at "B" Shaft was started as a result of favorable diamond drill cores obtained in this area. Work of clearing the site for the surface plant and excavation of the overburden was started May 6, 1942.

Working four underground crews, so that sinking has been continuous, the shaft is now down over 600 feet and progressing at the rate of about 200 feet per month. Because the diamond drill cores indicated better values at depth, it is planned to sink 2,000 feet on the incline. In the meantime drifts will be driven on

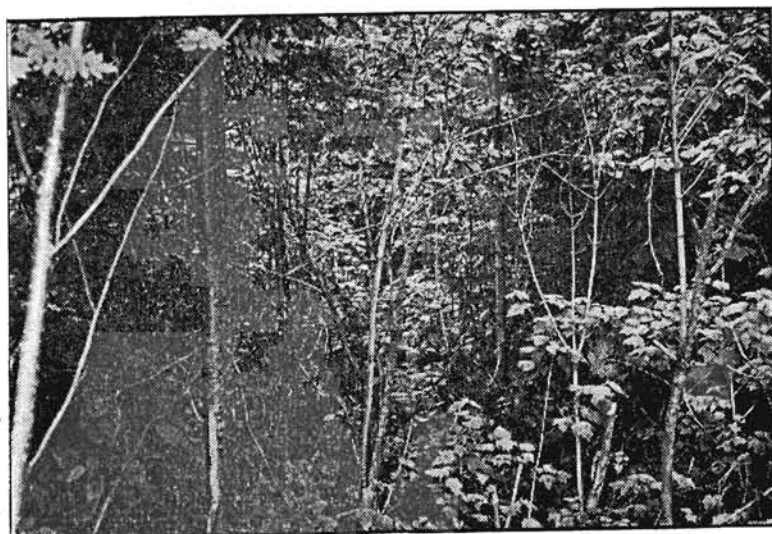
both sides of the shaft to explore the vein laterally.

Hogarth Penpraze is shaft captain. Miners transferred from the Ahmeek Branch and placed in charge of each shift were: Billy Langdon, Paul Lassila, Garfield Maynard and Hubert Abrahamson.

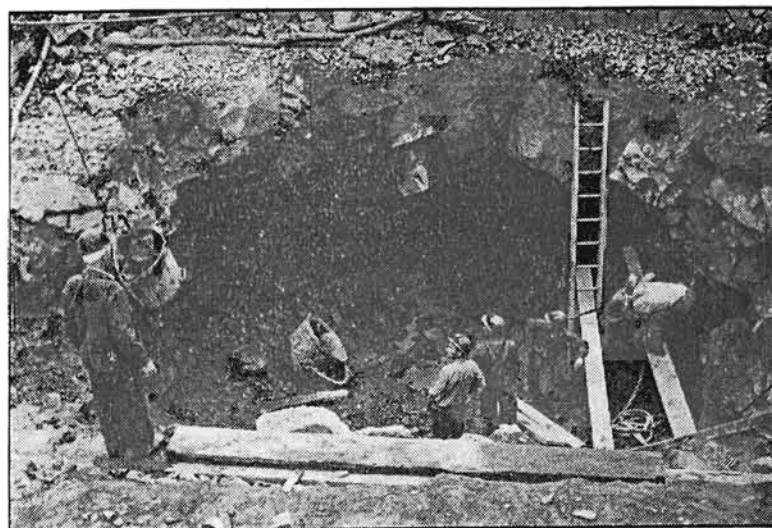
Work at the Company's Central shaft is progressing daily and expansion of operations will take place as rapidly as development conditions warrant.

No. 4 Kearsarge is operating continually and during the past several weeks, a number of additional employees have been engaged to augment the forces which have been employed at the mine for the past several months.

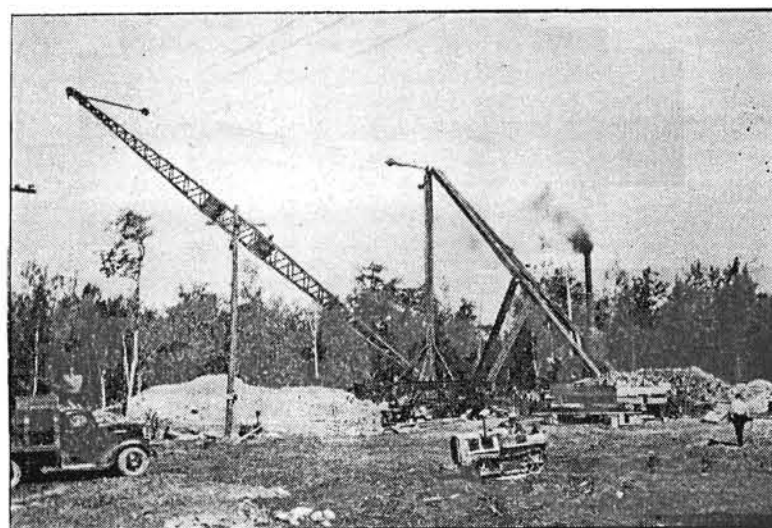
Pictures Show Development of "B" Shaft



"B" Shaft on May 6, 1942—Just a Swamp



"B" Shaft on June 17, 1942—Breaking the Crust



"B" Shaft on June 19, 1942—First Surface Equipment

AMERICA NEEDS EVERY MAN ON THE JOB TODAY

Today with our country at war, it is essential and vitally important that every man be on the job every day, and to guarantee constant attendance on the job, safety must be practiced more than ever before.

It is the duty of everyone to see that the very best safety is practiced at all times. Don't leave it to your partner. Carelessness today is an aid to the enemy, for an injured man is no longer a producer. Our government is crying for more copper and when we fail to practice safety, we are short-changing our government and our boys who are at the front fighting this war for us. We've got to win. Let's have more "No Accident" records.

The man who really knows his job is a safe worker and safe workers are efficient workers. The best and most efficient way to do a job is the safe way. Safe workers are needed by our country now more than ever before in history. **ARE YOU A SAFE WORKER?**

Follow the "Instructions and Rules for the Prevention of Accidents," a copy of which has been given to each employee of this company.

INVEST IN AMERICA - BUY BONDS

SOLDIERS BATTLE AXIS BY WORKING IN MINES

The United States Army, deeply concerned with the shortage of copper and other non-ferrous metals, acted to alleviate the situation by releasing on furlough about 4,000 soldiers to work in the mines. These men were mobilized in two army camps in October, from where they were hired by representatives of non-ferrous metal mines.

One of the army officers connected with the program stated emphatically that men employed in the production of copper were playing as vital a role in the war effort as any group in civilian life, and in this day of mechanized warfare, could be considered as a part of the armed services. The fact that the army was willing to release trained soldiers to the mines substantiates the officer's statement.

National headquarters of the Selective Service is making arrangements for the deferment of all underground workers in the Michigan copper mines. Details of the plan have not been received here, but are

SAFETY RECORDS ARE AT NEW HIGH PEAK

On October 17th and 31st the employees of the Ahmeek Mill and Tamarack Reclamation attended a dinner at the Hecla Fire Hall. These dinners were given in recognition of good safety records. On October 31st, A. E. Petermann, President of the Company, gave an inspiring talk.

The underground employees under the supervision of W. Pryor, No. 2 Ahmeek, W. James and A. Hill, No. 3 Ahmeek, on November 14th at the Hecla Fire Hall, were entertained with a dinner and Safety party. The shift under the supervision of W. Pryor had on November 1st, completed 21 months without a compensable accident. The shifts under the supervision of W. James and A. Hill had completed 30 months. E. R. Lovell, General Manager, gave an interesting talk.

The employees from the underground shifts supervised by H. Sirola and F. Nordstrom, No. 3 Ahmeek and R. Nicholas, Peninsula, on November 21st met at the Hecla Fire Hall for a dinner in recognition of good safety records. The shift under the supervision of H. Sirola which was until recently under the supervision of A. Petermann, on October 26th completed 39 months without a compensable accident. The shift under the supervision of F. Nordstrom had on November 17th completed 39 months and R. Nicholas' shift had completed 15 months on the day of the party.

The underground employees under the supervision of L. Bogdan, No. 2 Ahmeek, E. Djerf, No. 3 Ahmeek and V. Giacoletto, Peninsula, were on November 28th, entertained with a dinner and safety party. V. Giacoletto's shift in recognition of a 31 month safety record, E. Djerf's shift in recognition of a 13 months record and L. Bogdan's shift which on November 6th had completed 21 months without a compensable accident.

EVERY EMPLOYEE A BONDHOLDER

Lieutenant Fred Josey, son of John Josey, recently arrived overseas with the AEF.

expected momentarily.

Employees of the copper industry are proud of the opportunity to perform such an important job. Calumet and Hecla employees hereby assure the entire country that they will not fail to do their part—every day.

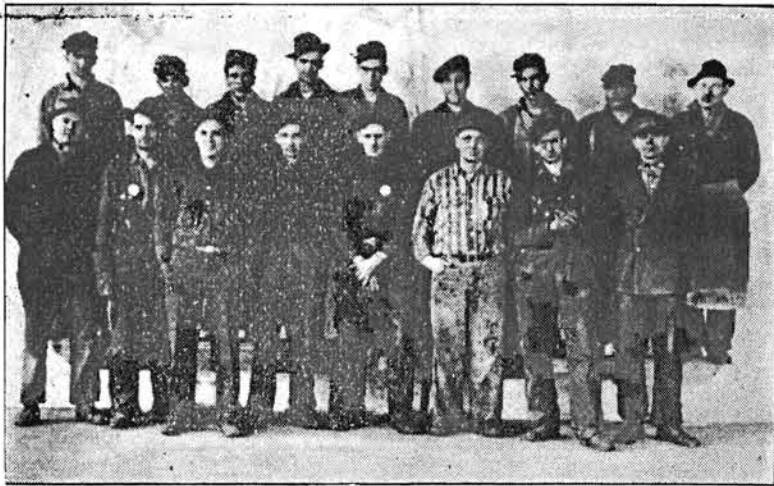


"B" Shaft on November 11, 1942—Nearing Completion

Billets For Bullets Are Being Cast At Our Smelter

Billets, like bullets, are a prime necessity in wartime. During the last world war the C. & H. smelter made nothing but billets and ingots. At that time billets were made from toughpitch copper but now they are made of phosphorized copper or, strange to say, of brass caps. They are the raw material from which seamless tubing is drawn, and in wartime miles of seamless tubes are

brass campaign is our billet casting foreman Russell Lord. Many other men have played a vital part by working long hours under all sorts of conditions, doing their bit toward the war effort. George Halkola has juggled levers with both hands day after day, Joe Bourdeau has juggled a lot of red hot funnels, and Lester Blondo has jangled plenty of stuck bottoms. They are all here in the snapshot—look 'em over.



Top Row, Left to Right—Emery Bonen, Lawrence Monticello, George Gaulin, Louis McKinstry, Jr., James Beaudette, Russell Jolly, Carl Hendrickson, Joe Bourdeau, Jr., Alfred Perreault. Front Row, Left to Right—Lester Blondo, George Halkola, Russell Lord, Preston Glanville, Homer Perreault, Roy Palmer, Edw. G. Kramer, Ranson Cundy.

sawed into very short lengths to be pressed into grooved recesses on high explosive shells. The purpose of the soft metal band—the rotating band—is to cause the shell to grip the rifling of the gun barrel and to whirl rapidly. The rapid whirling holds the shell true to its course. With the old types of guns copper was good enough, but with the high velocity guns used in this war, copper bands are too soft and may be torn off the shells; a tougher material must be substituted, hence the brass billets.

It is a new angle for a copper smelter to cast brass; many said it could not be done. It is, however, being done successfully by the company at the smelter in Hubbell. Chiefly responsible for the success of the

Unless the boys at the front get a steady flow of shells all the airplanes and tanks in the world won't win the war. It's hard to believe the weight of metal that a modern gun can throw at the Japs and Germans in a couple of minutes. When you see thousands of shell bands, 20 millimeters and larger, pouring off the saws in the Detroit ammunition plants every minute of the day, you get some idea of what Uncle Sam has in mind for Berlin and Tokio.

It is surprising how far a piece of copper can go from the time it is blasted from the rock in our mines until it is blasted into those blasted JapItalGermans.

"Praise the Lord and Pass the Billets."

No Meat Shortage

Clarence Lide of No. 2 Ahmeek and John Malner bagged their buck on the opening day of the season.

Alvin Simula of No. 3 Ahmeek Underground and John Barsica, oiler of No. 3 also were successful hunters.

John LaMutt of No. 4 Kearsarge had better luck this year as he filled his license on the opening day of the season.

Ed. Lundin of Calumet Surface didn't do so well. He and Herb. Brown were admiring Lundin's rifle when a large buck emerged from the woods and spent about five minutes looking over the hunters and their rifles. He left before the nimrods could decide what to do with the gun.

One of the first hunters to fill his deer license here was Norman LaBonte, Railroad foreman, who bagged a 250 pound buck in the vicinity

of Winona at noon on the opening day of the season.

The round-house crew is going to have a venison feed. The Calumet Fire Department is hoping there will be enough to have Norm "pass the buck" to them.

The Smelter crowd did not so badly at hunting. Armand Tikkanen shot a large buck; Big Jack Harrington got one nearly as big as himself and Napoleon Monette filled his license with a ten point buck.

William Matta and Louis Butkovich, of the Central Shaft crew filled their licenses last Sunday in Keweenaw.

Earl Johnson, of the Ahmeek Underground force secured a 200 pound deer last Sunday.

Sure, you can submit a name for the News Sheet. Remember there is a \$25 bond for the winner.

NEW MODELS ANNOUNCED

Several on Display at Homes of Company's Employees Here

Mr. and Mrs. Frank J. Klobucher, 15 Maple Street, a boy, F. J. Jr., on November 10 at 8:45 a. m.

Mr. and Mrs. R. J. Parkkinen, 2648 Union Street, a boy, Richard John, on November 9 at 9:10 a. m.

Mr. and Mrs. Alfred Granroth, 4100 E. Cone Street, a boy, David Henry, on November 8, at 9:15 p. m.

Mr. and Mrs. John Huhtala, 104 Seneca Street, Laurium, a boy, John Collin, on November 11, at 8:40 a. m.

Mr. and Mrs. William Karppinen, 86 Millionaire Street, a girl, Mary Ann, on November 17, at 8:45 a. m.

The Dear season came a day before the deer season for Mr. and Mrs. Armand Tikkanen, who became the parents of twins on November 14. The new arrivals are a boy and a girl. Armand is proud of his family addition and the Smelter crew is proud of Armand.

MEN OF INDUSTRY, VICTORY IS IN YOUR HANDS

This is the greatest country in the world.

This is where Freedom's might is forged—Where the war machines are being made that will smash the ranks of the enemy.

Industrial accidents can sabotage your work. Every minute gained on the job through safety, is a step toward victory.

Allan Cameron, former captain of the Conglomerate Lode, and Mrs. Cameron are spending the winter months in Orlando, Florida.

WORK SAFELY
SAVE MANPOWER FOR WARPOWER

Safety Report at New High Mark

C. & H. PLANTS HAVE FEW LOST TIME ACCIDENTS

Ahmeek Mill—last compensable accident—February 23, 1936—2,472 days—227,403 shifts.

Electrical Department (Calumet) last compensable accident—September 5, 1930—4,469 days—71,230 shifts.

Railroad—last compensable accident—February 8, 1940—966 days—38,142 shifts.

No. 2 Ahmeek—Underground—last compensable accident—December 28, 1941—337 days—24,900 shifts.

Still House—Lake Reclamation—last compensable accident—October 29, 1930—4,415 days.

Power Plant and Sub-Station—Lake Reclamation—last compensable accident—April 17, 1930—4,611 days.

Boiler House—Lake Reclamation—last compensable accident—August 18, 1936.

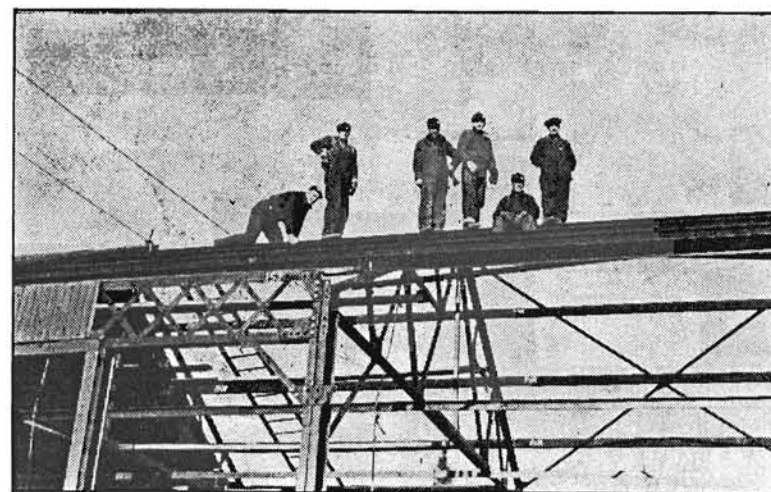
Electrical Department—Smelter—last compensable accident—September 9, 1927—5,460 days.

Mechanical Department—Smelter—last compensable accident—August 8, 1939—1,210 days.

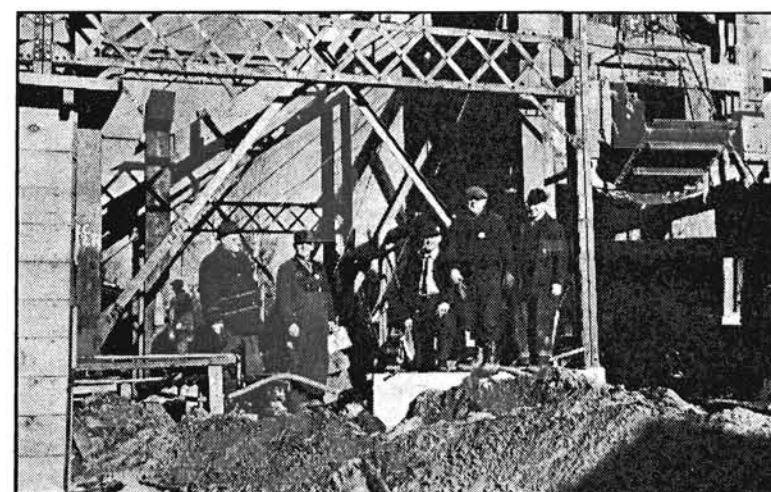
Furnace Department—Smelter—last compensable accident—October 12, 1940—779 days.

Blacksmiths, Mill Mechanics, Machinists and Michigan Pump, Lake Reclamation—last compensable accident—October 9, 1935—2,606 days.

Surface and Watchmen—Lake Reclamation—last compensable accident—December 14, 1936—2,176 days.



Delore and The Five Iron Men



A Planning Session at the Busy "B"