



VOLUME 8

COPPER CLIFF, ONTARIO, OCTOBER, 1948

NUMBER 7



October Afternoon in the Blezard Valley



Published for all employees of The International Nickel Company of Canada, Limited.

Don M. Dunbar, Editor

EDITORIAL OFFICE COPPER CLIFF, ONT.

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HOW IS YOUR BRAIN-POWER?

E. H. Capstick of the Concentrator, you'll remember, sent in the brain-teaser we published last month about the businessman with the two offices and why did he visit his downtown office four times to every once he visited his uptown office when he always took the first train that came along, regardless of which direction it was going.

We wonder how Capstick has been sleeping these nights. Has he heard the anguished moans and cries of Triangle puzzle fans in distress? Has there passed before him in his dreams a parade of his tortured victims, tearing their hair or gnawing at their lead pencils?

Not a single correct answer was submitted to Capstick's conundrum, not one. It's been so lonesome around the office with no mail or phone calls coming in that we have solemnly vowed never again to print anything received from that fellow, even a good joke. Capstick, old man, we regret to have to inform you that you are now on our Indian list.

Incidentally the answer to the riddle is that the downtown trains passed at each half-hour and the uptown trains passed five minutes later, according to Cap. Can you make anything out of that? We can't.

But don't go away mad. Restore your faith in human nature by joining the gang in the following little mental waltz:

Five friends met one evening for bridge. Five rubbers were played, a different four playing each rubber.

The sum of the ages of those taking part in each rubber was 142, 136, 130, 128 and 124 years. What were the respective ages of the players?

Sudbury Basin Has Annual Spud Yield Of 500,000 Bags

It was a beautiful autumn day. Brilliant sunshine flooded the countryside, fat white clouds floated lazily below the blue arch of the sky, and in the distance rose the graceful plumes from the Inco stacks. Like many a farmer in the Blezard Valley, Telesphor Poulin of Azilda was getting in his potato crop with the help of his sons. This is the Harvest Season picture which appears on our front page this month.

The 200-odd square miles of the Sudbury Basin, because it is sandy loam with a cool subsoil, is particularly well adapted to the growing of potatoes, according to Romeo Leroux, dynamic district representative of the Dept. of Agriculture.

Need Storage Facilities

The annual potato yield in the Basin is about 500,000 bags, which would just about



This striking picture of a lightning flash was made at Orillia in July by Ray Evans of the Crushing Plant at Copper Cliff, using an ordinary box Brownie.

take care of the district's requirements if storage facilities were available to hold it here for use, Mr. Leroux tells us. Lack of storage, however, at present forces farmers to ship out as much as 100 carloads a year but plans are now underway to build a large grading and storage centre at Hanmer.

Some of the Basin's potato farms are as large as 50 acres, and most of the bigger growers have mechanical equipment which with a five-man crew picks and bags about 50 sacks of spuds per hour.

A large number of Inco men, employed chiefly at Levack, Garson, and Murray, are spare-time operators of smaller farms in the area, and share in the big potato yield.

Hardy Seed Grows Here

Mr. Leroux believes there is a terrific potential market awaiting Sudbury Basin farmers. His favorite dream is of a day when the area will be almost as famous for its seed potatoes as it is for its mineral production. He says the big growers in the

states of New York and Michigan are very anxious to obtain seed potatoes from this section of the country because the hardy climate makes them disease-resistant and they yield heavily when moved to warmer climates. These buyers, however, will consider only the highest quality seed such as Dominion-certified Foundation or Foundation A grade, and he hopes one day to see large-scale production of this quality in the area.

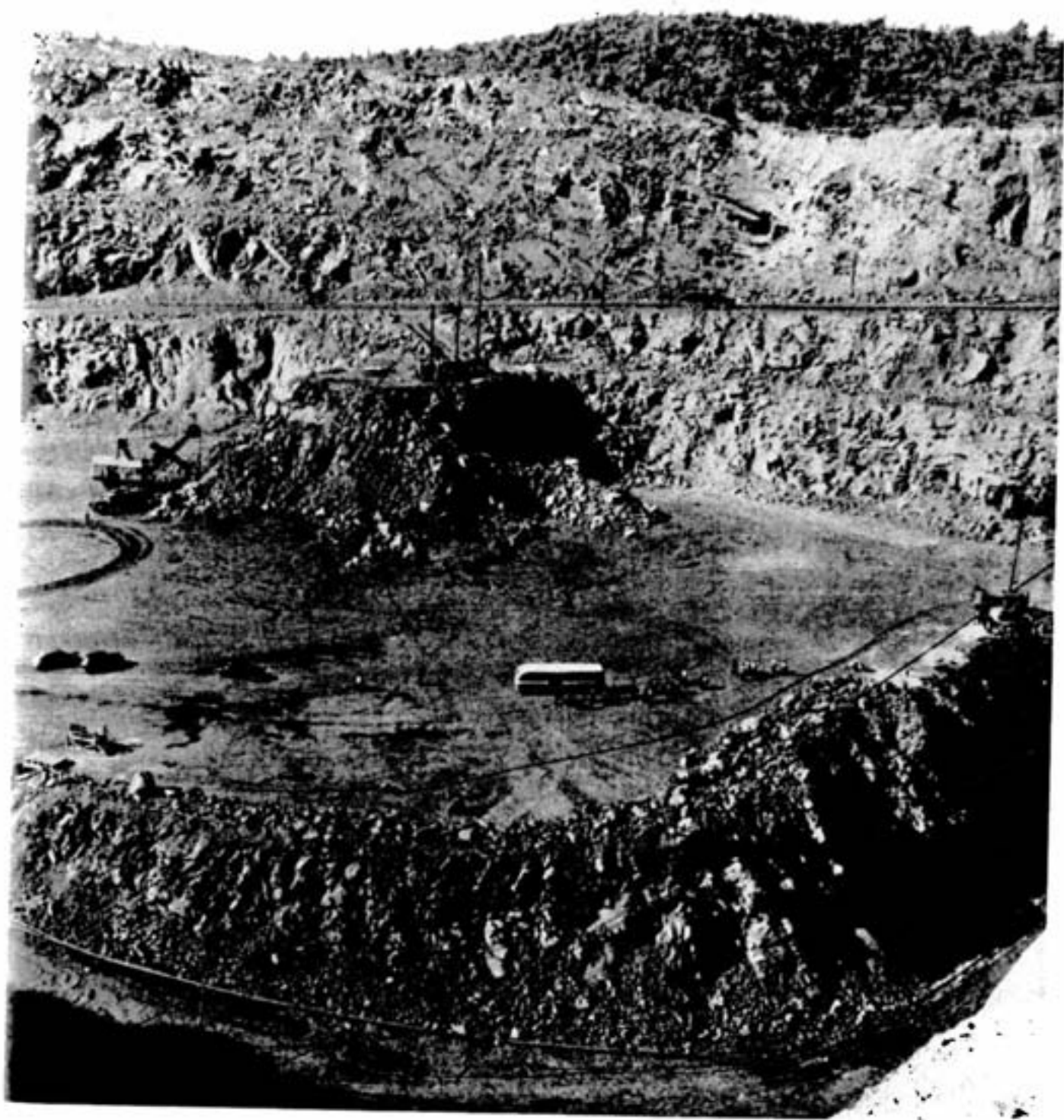
SWEETHEART'S TIFF

She: "So, you had a date with Alice? Well, I want an explanation and I want the truth. Understand?"

He: "Yes, dear. Which do you want first?"

SO HE'S THE GOAT

"Well bless my soul," said the ram, as he plunged headlong over the cliff, "I didn't see that ewe turn."



**The Inco Directors Visit
Stobie Section of the Open Pits**



Directors Vote \$2 Million More For New Homes

Representing the thousands of shareholders in Inco, directors of the Company inspected the mines and plants in the Sudbury District from Sept. 27 to 30.

Men who have won the highest recognition in many fields of endeavor, and who contribute to direction of the Company's operations a great breadth of experience and judgment, the distinguished group displayed keen interest in every phase of Inco activity. A superbly arranged tour took them to the Copper Refinery, Frood-Stobie underground and surface plants and Open Pits, Garson, Murray, Levack, Copper Cliff Concentrator and Smelter, Creighton underground and surface plants, and the Research Laboratory. It was a rigorous schedule but the visitors missed no part of it.

Many were their comments in admiration of the "good housekeeping" evident wherever they went.

\$2,000,000 More For Housing

On Thursday afternoon, Sept. 30, the directors held a meeting in the conference room of the general offices at Copper Cliff, following which the chairman and president of the Company, Robert C. Stanley, an-



nounced that an additional \$2,000,000 had been voted for the construction of new houses for employees in the Sudbury District. This makes a total of \$4,000,000 appropriated since 1943 for Inco housing in Copper Cliff, Levack, Creighton, Garson, and Frood.

Directors who made the tour of the Sudbury district holdings were: Robert C. Stanley, of Dongan Hills, N.Y., chairman and president of Inco; R. L. Beattie, of Copper Cliff, vice-president and general manager in charge of Canadian operations; Dr. John P. Thompson, of New Canaan, Connecticut, executive vice-president; the Rt. Hon. Viscount Weir of Eastwood, P.C., G.C.B., of Glasgow, Scotland, chairman, G. & J. Weir, Limited; Henry S. Wingate, of New York, secretary of Inco; H. C. F. Mockridge, of Toronto, member of the firm of Osler, Hoskin & Harcourt, Canadian counsel of Inco; Laurance S. Rockefeller, of New York, president of Rockefeller Brothers, Inc.; Grant B. Shipley, of Pittsburgh, chairman of Elliott Company; Dr. Donald Hamilton McLaughlin, of Berkeley, California, president, Homestake Mining Company; John P. Bickell, of Toronto, chairman, McIntyre-Porcupine Mines, Limited; James S. Duncan, of Toronto, president, Massey-Harris Co. Ltd.; Sir William T. Griffiths, of London, England, vice-president of Inco in charge of operations in Great Britain and European activities; Reg Halladay, of Cresskill, N.J., senior partner in the investment firm of Halladay & Co.; William J. Hutchinson, of Peapack, N.J.; treasurer of Inco; H. R. MacMillan, C.B.E., of Vancouver, president, H. R. MacMillan Export Company, Limited; Rt. Hon. Viscount Margesson of Rugby, P.C., of London, England; and Ross H. McMaster of Montreal, chairman of the Steel Company of Canada, Ltd.

Taken Ill in Toronto

One director, the Rt. Hon. Lord McGowan, K.B.E., of London, England, only got as far as Toronto on his journey to the board meeting. He became ill there and was unable to finish the trip.

Unable to be present for the inspection trip were the following Inco directors: Dr. Paul D. Merica, of Millwood, N.Y., a vice-president; John Foster Dulles, of Cold Spring Harbor, N.Y., member of the firm of Sullivan & Cromwell, and the United States delegate to the United Nations General Assembly at Paris; R. Samuel McLaughlin, of Oshawa, chairman, General Motors of Canada, Ltd.; the Rt. Hon. Lord Melchett, of London, England, director of finance, power and gas companies; Andrew V. Stout, of Red Bank, N.J., partner of the investment firm of Dominick & Dominick, and J. C. Traphagen, of West Nyack, N.Y., chairman of the board and chief executive, Bank of New York and Fifth Avenue Bank.

THE PICTURES

On the opposite pages are a few of the pictures snapped of the directors during their tour:

1. The directors before their meeting at Copper Cliff: front row, left to right, H. R. MacMillan, Viscount Weir, Reg Halladay, Robert C. Stanley, Dr. John P. Thompson, James S. Duncan; centre row, R. L. Beattie, Ross H. McMaster, John P. Bickell, Laurance S. Rockefeller, Sir William T. Griffiths, Dr. Donald Hamilton McLaughlin; back row, Viscount Margesson, H. C. F. Mockridge, William J. Hutchinson, Henry S. Wingate, Grant B. Shipley.

2. In the Smelter: left to right, "R. D. Parker, Viscount Margesson, Laurance S. Rockefeller, "Marshall Kostash, R. L. Beattie, "Duncan Finlayson, Lord Weir, "Norman Kneeshaw, James S. Duncan.

3. In the Smelter: "Frank Morrow, H. P. MacMillan, Dr. John P. Thompson, "Robert Saddington, "Norman Pearce, Ross H. McMaster.

4. At the Copper Refinery: Lord Weir, "Frederic Benard, Reg Halladay, R. L. Beattie, Grant B. Shipley.

5. In the Concentrator: Robert C. Stanley, Dr. Donald Hamilton McLaughlin. "Acted as guides for the directors.

William Zinkie Is Apple King



A formidable contender for the title of Apple King of the Nickel Belt for 1948 is William Zinkie of Oliver St., Copper Cliff. From his three trees he picked a total of eight barrels of apples.

Picture shows Mr. Zinkie during harvesting operations in his miniature orchard. Mrs. Zinkie is seen with their grandson Henry Hawkins, and some of the record crop appears in the foreground.

The original tree which he transplanted about 1930 from his old home at Stobie Mine succumbed to the elements after a couple of years but Mr. Zinkie planted three shoots which sprang from its roots the following spring, and these have grown into hardy fruit-bearers. The apples closely resemble

Baldwins in taste and texture, and are excellent for cooking.

Mr. Zinkie, who retired on pension in October, 1942, had credited service with the Company of 49 years, 2 mos., and 11 days. He enjoys tip-top health.

QUICK THINKING

A dad did some quick thinking, if a story told is true.

Sonny boy ran onto his dad who was kissing the maid.

Youngster: "So, you are kissing the maid?" Dad was bothered for only a second, but his mind worked quickly.

Dad: "Why, er — hand me my glasses, son; I thought it was mother."



First Winner, Inco Trophy

Scene on the 9th green at Idylwyde Golf and Country Club as Dave Morland of North Bay assumed a commanding lead against Roy Herne of Sudbury in the final match of Idylwyde's very successful first annual invitation tournament. Morland is putting; Herne stands at the edge of the green to the left, leaning on his putter; George Harrison, Idylwyde pro who was referee, holds the flag. For his victory Morland received the handsome new International Nickel Trophy, which was presented to him by Ralph D. Parker. The big field included many Southern Ontario stars such as Jim Boeckh and Bobby Fair. Many Inco players took part but the only one to figure in the prize awards was Ralph Brown of Frood-Stobie, who won the final of the second flight consolation.



Floodlight Tennis

Ambition and hard work of a small group of members headed by Archie Saville paid big dividends for Port Colborne Tennis Club this year. Floodlights were put up for two of the tennis courts and the general calibre of play soon showed a noticeable improvement as a result of the extra hours available. The Port Colborne club is stressing development of its junior members, building for a big future in Niagara District competitions in which it has always been prominent.

REFINERY SOFTBALL

Under the competent direction of Frank Scott the Copper Refinery softball league once again had a very successful season. Al Welblund's Crescents walked away with the Waddington Trophy, awarded to the winners of the regular schedule. In the closely contested playoffs that followed, Warren Koth's Terry-ers took the Benard Trophy by trimming Bob Rodger's Dodgers 2 out of 3 and Crescents 3 out of 5. Fourth team in the loop was Len Kitchener's Chiefs.

PRECAUTION

Dentist (as patient opened his purse): "No, no, don't bother to pay me in advance."
Patient: "I'm not. I was just counting my money before I take the gas."

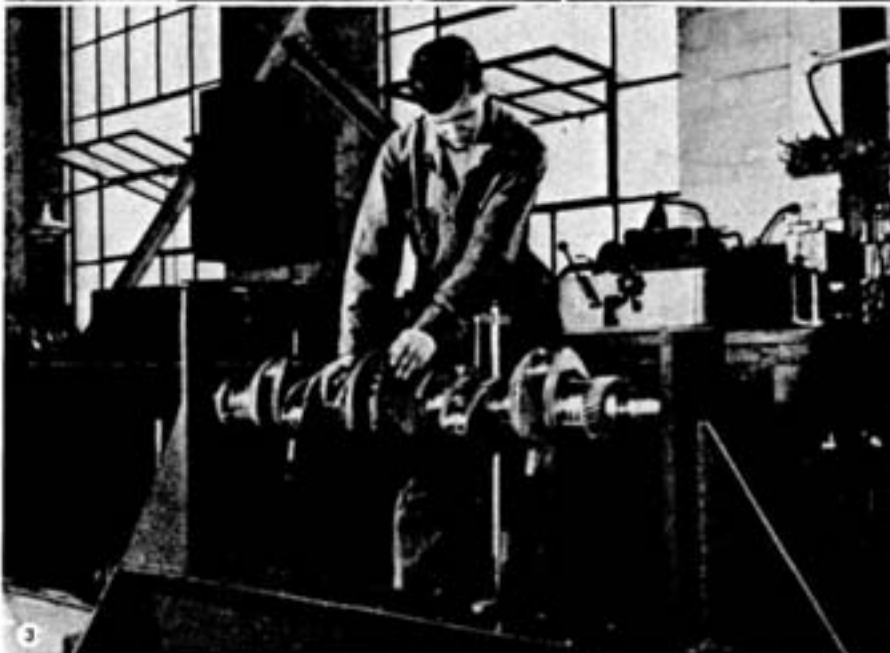
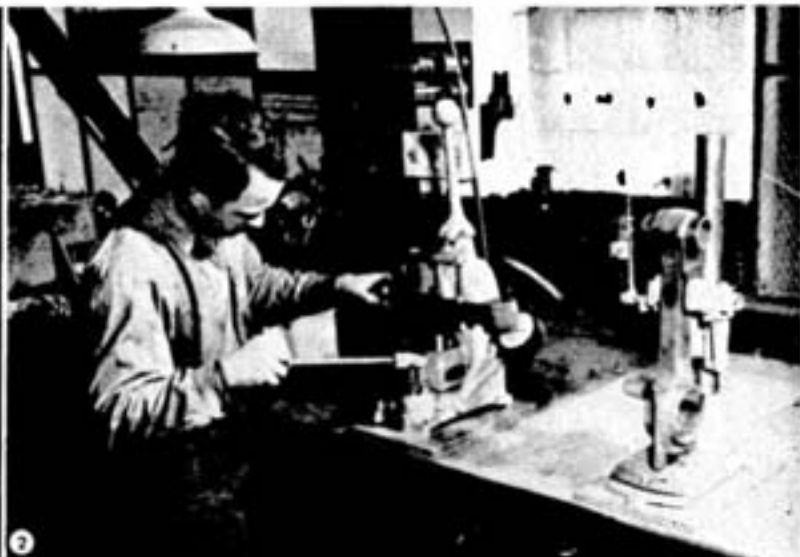


John Stephens of Open Pit Garage, who lives on Lakeshore Drive, Minnow Lake, sends in this snap of his pack of puppies, then four weeks old. It would not be hard to find homes for these cute little playmates if John should decide to part with them.

INCO FAMILY ALBUM

Adding another page to our steadily growing album of happy families within the Inco circle, this month we have with us: (1) Mr. and Mrs. Eugene Donnelly (Creighton) with their three bairns: Brian, 17 mos., Geraldine, 6, and Judith, 8. (2) Mr. and Mrs. B. J. Henderson of Coniston with Bobby, 8, Wayne, 6, Marjorie (a real little mother) 9, Victor, 3 and Larry 7. (3) Mr. and Mrs. Art LePage (Prood-Stobie) in their attractive home on John St., Minnow Lake, with Theresa, 13, Dianne, 5, and Suzanne 3. (4) Mr. and Mrs. Jim Rutherford (Mines Dept., Copper Cliff) with Nancy Jane, 15 mos., and Linda, 5 (the picture was made on a Sunday morning but Father, believe it or not, was up and around!). (5) Mr. and Mrs. Art Legault (Murray) at their home on Antwerp St. with Clement, 6, Donald, 11, Norman, 13, Danny, 10 and Lawrence 2½; the eldest of their family, Rita, 18 is living in Port Colborne. (6) From Port Colborne this month are Mr. and Mrs. Bill Crabbe with Bill Jr., 21, Gladys, 22 (a graduate nurse), and Margaret, 11. (7) Mr. and Mrs. Carl Wilson (Copper Refinery) with their three fine sons, Peter, 2, Dennis, 11 mos., and Johnny, 7.





Truck Engines Rejuvenated At 3000 Hours

The open-mouthed visitor at the Open Pit, watching the big haulage trucks receive their 32-ton loads of ore from the power shovels, roar steadily up the ramp to the crusher, discharge their burden, and immediately wheel away to go back for another, may get the impression that these 275-hp diesel monsters never stop.

That's hardly the case. Every haulage truck is periodically removed from service while its engine is completely rebuilt. On the average this job is done after each 3,000 hours of operation.

Here is the story in pictures of the engine repair shop at the Open Pit garage where highly skilled mechanics specialize in engine rebuilding, using modern precision tools and testing instruments in every phase of the procedure.

1. Before rebuilding begins, all engines are disassembled and thoroughly cleaned. A special cleaning process completely removes all grease, carbon, and other foreign substances. Then it's time for the first step in rebuilding. Here the engine block has been hoisted on the repair stand and G. Barber is installing a cylinder sleeve.

Straightening a Bent Rod

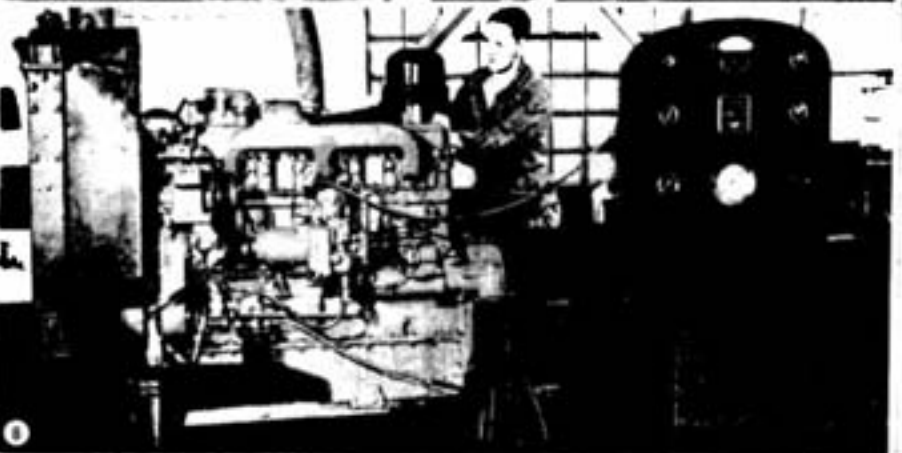
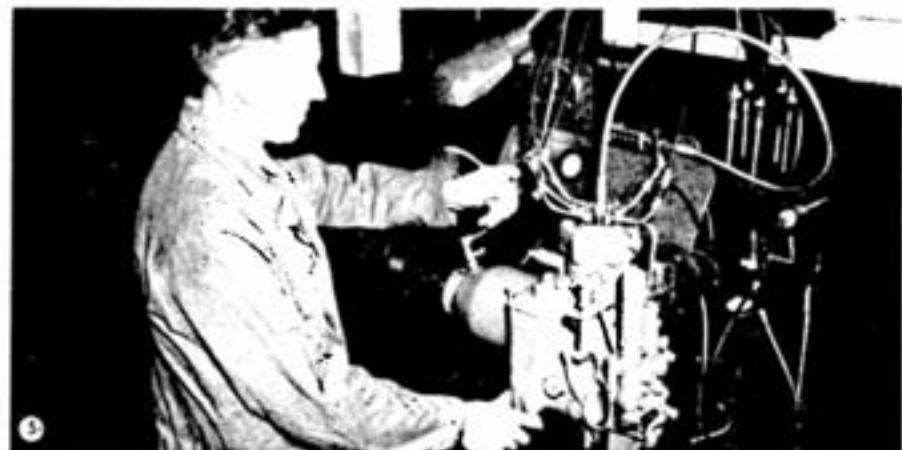
2. A special connecting rod aligning fixture accurately checks connecting rods for bend and twist, after which if necessary they are straightened on a hydraulic press. Rod bores are also carefully checked for accuracy with micrometers and dial indicators. In this picture G. Priel is straightening a bent connecting rod.

3. Crankshafts are tested for run-out, as J. Ellis is doing in this picture, and all journals are checked for accuracy to make sure they are within allowable limits. This jig is also used to straighten bent crankshafts.

4. Cylinder heads and valves are thoroughly reconditioned and checked under pressure for leaks. Valve seat inserts are installed when necessary. A. Simon is seen grinding a valve seat in a cylinder head.

5. Fuel pumps are completely overhauled and run in on a test bench where they are checked for governor setting and fuel delivery. L. Gunther is checking a repaired pump to make certain it is capable of de-





delivering fuel at the required rate of 52 cc's per 500 revolutions.

6. D. Graham and E. Wolfgram are line-boring a main bearing. Engine blocks in which the main bearing bores are not perfectly in line are corrected by installing semi-filled bearings and line-boring with this equipment to fit the crankshaft.

7. After the line-boring is completed the crankshaft is installed in the engine block. H. Jones and W. McKnight are seen performing this operation.

The Final Test

8. Every rebuilt engine is Dynamometer-tested for maximum torque, horsepower, fuel consumption, exhaust temperatures and pressure, which H. Dinnes is doing here. The engine is run in under quarter load, half load, three-quarter load, and finally tested under full load. Then, if it measures up in every respect to the high requirements of Supt. Campbell Girdwood and his men, it's released to go back into service.

So efficiently is the Open Pit garage organized that a haulage truck engine can be completely rebuilt in 24 hours.

First Meeting Was Held at Copper Cliff

In a letter thanking Triangle for mention of Frontier College in the September issue, the principal, Dr. E. W. Bradwin, writes: "You may be interested to learn that the first annual meeting of Frontier College, in 1900 or thereabouts, was held in the club-room at Copper Cliff when the late A. P. Turner was president of the Company. Things have changed vastly since then and a huge industrial development has followed in the wake of those early days. Throughout the succeeding years Frontier College has invariably had some of its laborer-teachers located on the different works now included in the present Inco operation."

With headquarters at 26 Queen St. East, Toronto, Frontier College is enabled by private donations to send out a force of 60 young men annually who become employees on frontier works and in their spare time give of themselves freely, not only as teachers of English and other subjects but also as promoters of sound standards of Canadian life.

The worth of a state, in the long run, is the worth of the individuals composing it.



VAMOOSING MOOSE

Bill Wright of the West Scales at C. C. Smelter had his camera handy when he spotted this moose swimming across the lake near his camp at Mileage 101 1/2, C.N.R. West, during his vacation in July. Bill and his two young sons got some other moose pictures, shot a big black bear, and caught all the fish they wanted during a wonderful holiday.

Four Leagues Of Bowlers At Sudbury Club

With the first hint of autumn crispness in the air the bowling fraternity sharpen up their sights, unlimber their shootin' arms, and get down to business. Largest trundling parade among the Inco recreational centres is at the Employees Club in Sudbury, where four big leagues are already in action and a fifth, the Ladies, was to get underway in short order.

Bowling Steward Henry Dunn, his alleys beautifully resurfaced, is again host to the steady traffic of trundlers, and looks forward to one of the best seasons in the history of the club.

Here are the lineups in the four men's leagues, the name of the captain being given first in each case:

REFINERY BOWLING LEAGUE

Combines: S. Smythe, A. McGillivray, L. Bradley, G. Mahon, W. Day, C. Keegan.

Wire Bar: B. Benard, T. Blake, R. Levesque, P. Martin, J. Manninen, A. Clement, K. Mechefske, O. Salvatori, R. Miller.

Wolves: F. Cooper, G. Smith, R. Steadman, K. Monahan, R. Hiscock, E. Holgate, T. Cornthwaite, J. Tallevi.

Aces: E. Gordon, F. Carson, R. Caverson, V. Smrke, W. Marcolini, E. Martel, H. Ringer, N. Ray.

Anode: D. Sauve, J. Coupal, B. Cowdery, B. Hranewich, R. Dion, M. Swintak, G. Sauve, R. J. Desjardins, M. Bernier.

Casting: C. Atkinson, L. Gillen, J. Twardy, R. Howard, P. Iles, P. Bobinac, J. Jarsulich, C. Matthews, J. Latrelle.

Dodgers: N. Bertuzzi, F. Vincent, C. Vincent, M. St. Amand, G. Dubien, P. Harrison, N. Leuschen.

Laboratory: J. Aurie, J. Bryson, E. Harber, M. Shamley, D. Lineham, T. Shaw, J. Crawford, G. Purchner, U. Gattoni.

Millwrights: A. Ross, J. McCaw, C. Genevieux, L. Andrews, J. Luptak, J. Nepsy, W. Perreault, P. Blais.

Lucky Strikes: A. Scinto, A. Nault, S. Taricani, J. Sorgini, D. Scott, W. Marshall, A. Weiblund.

Neutrons: J. Mason, C. Marshall, L. Desilets, F. Tafe, J. Hughes, J. Senior, L. Fay, P. Nazar.

Nomads: E. Tosto, J. Smith, W. Solomon, C. Smythers, A. Ross, A. Taricani.

Outlaws: B. Mayors, S. Dutchburn, D. Zimany, A. Melchoir, E. Jolicoeur, D. Marshall, R. Bergeron.

Stenos: H. McCrea, I. Ranta, H. Hytinen, G. Calandra, V. Roy, I. Batsford, M. Coughlin.

The Chiefs: S. Mitchell, F. Scott, T. Carrey, A. Noble, G. Wickenden, K. Cosley, S. Campbell.

Whistlers: P. Coulombe, T. Caverson, C. Trigg, H. Kivula, P. Bouik, C. O'Reilly, M. Stelmakowitch, R. Ray.

FROOD BOWLING LEAGUE

W. G. Armstrong, C. Ferguson, A. Beach, H. Fraser, E. St. Marselle, W. Varnanen, N. Koropatrik.

E. Branning, F. Wharton, E. Bimm, P. Pagararo, Langvan, R. Elliott.

G. Calford, D. Simon, J. Killah, K. Leach, W. Dinnis, F. Carbone, J. Teahan.

E. Dunn, G. L. Robertson, J. Lennie, W. Ross, E. Simon, W. MacAlpine, R. Brown.

W. Dydik, H. Jarrett, O. O'Bonsawin, T. McClesney, H. McLennand, A. Mantysaari, J. Doucet, S. Dickson, D. Jelenic, D. Jones, H. Grenon, D. Lavole.

P. Fiorotto, M. Fluvian, D. Teahan, B.



In The Groove

Better step nimbly to one side, reader, because that large wooden apple is really on the move. When "Chuck" Bronson throws them, they stay thrown. One of the captains in the Copper Cliff Bowling League at Inco Employees' Club, "Chuck" is always up among the scoring leaders. Bowling at the Employees' Club is off to another big season.

King, J. Vallancourt.

P. Grassam, D. Hamilton, J. Taylor, R. Gordon, C. Faulkner, B. Fisher.

L. Gaudette, P. Smith, Basso, N. Raspberry, W. Gamble.

P. Hall, R. Holub, M. Cayen, H. Pridmore, C. Nesbitt, R. Lajeunesse, J. Bell.

H. Johnston, G. Tomac, P. Bosnak, H. Post, M. Corrigan, A. Laberge.

T. Johnston, G. Sullivan, H. Hofford, A. Osborne, M. Coulter, C. De Rucha.

S. Jones, P. Brunelle, N. Gladoff, E. Clusin, H. Keniski, M. Laculsha.

J. H. Jones, J. Gray, E. Trembley, A. Leclair, C. Harrower, Ken. Stone.

L. Pietzer, H. Radey, G. Kyer, V. Kreko, M. Makulowich, W. Creswell.

C. Price, W. Shellswell, G. Blackmore, T. Ryan, E. Hickey, D. Dinnis.

G. Quinn, M. Opelchuck, W. Lafleur, W. McKnight, T. Zaltz, J. Eies.

W. Reynolds, O. Dunsmore, L. Duchene, G. Disley, E. Chateawert.

A. Renaud, D. McCuaig, E. Daley, L. Des-

A. Sten, H. Peterson, L. Bimm, N. Horne, E. Impola, G. Culbert, R. Theriault.

R. Sandberg, O. Lafontaine, J. Chornoboy, J. Oikle, R. Shaw.

D. St. Germain, U. Kreko, D. Wiltshire, U. Oja, W. Bailey, J. Bastien, R. Bastien.

S. Valic, C. Gamo, B. Jakov, J. Bratina, M. Katarinac.

J. Watkins, G. Deschene, H. Munro, N. Flowerday, J. Webster, J. David.

J. Witty, W. Kritz, A. Lennie, S. Dunster, J. Trowbridge.

COPPER CLIFF BOWLING LEAGUE
E. Bertuzzi, N. Ceppetelli, E. Desotti, W. O'Donnell, A. Orasi, J. Orasi.

C. Bronson, A. Desotti, T. Koski, J. Vargo, B. Montgomery.

O. Didone, W. Adams, B. Basso, A. Charbonneau, A. Knuth, G. Rivers.

G. Edwards, A. Bertrand, T. Kirkpatrick, J. Morosso, J. Radey, A. Thornton, L. Trotter.

E. Eveline, G. Clark, B. Maitland, A. Roseborough, A. Roy, J. Verreault.

I. Fraser, S. Coagie, E. Johnston, G. Myers, H. Nadeau.

J. Harrower, J. Clark, P. Duffy, P. McKain, S. McOrmond, F. Murray.

W. Jones, W. Beaton, W. Giroux, E. Le-

page. J. Miller, J. Warner.

L. Kennedy, J. Ceccone, J. Cormier, Kaine, I. Livingstone.

A. Longfellow, A. Armitage, B. Brown, O. Gallagher, M. Healy, E. Lawson, L. Smiley.

R. Longfellow, B. Basso, E. Bertulli, R. Canapini, A. Didone, S. Lapchinsky.

A. Ranger, F. Chirka, A. Eveline, S. Scott, J. Terrell, H. Wowk.

J. Rutherford, T. Godard, A. Johnstone, R. McAndrew, P. O'Gilvie, J. Pigott, K. Segsworth.

F. Rogers, N. Carriere, W. Knuth, E. Rogers, M. Rogers, R. Tessier, S. Thompson.

R. Seguin, N. Cooper, B. Carding, A. Fournier, R. Fraser, G. Pidgeon.

W. Trotter, H. Allen, M. Allen, S. Montgomery, G. Stone, B. Trotter.

J. Wallace, R. Forest, N. Prattini, Gauverau, Lafreniere, Prentice, O. Smith.

G. Zinkie, W. Allen, A. Blair, D. Bradshaw, W. Koski, E. Nolan, M. Zinkie.

OPEN PIT BOWLING LEAGUE

A. Toffoli, C. Mulligan, M. Allan, D. Dickson, L. Eppich, L. Lalonde, E. Lang.

D. Thompson, J. Gorday, D. Gilbert, H. Haddow, C. Brunelle, R. Wilson, J. Rowmanow.

V. Bouffard, W. Young, G. Gibson, P. Beaudreault, G. Orassi, F. Allan, G. Martell.

M. Delorme, A. Desjardins, P. Loisele, J. Scott, W. Landry, W. Wade.

P. Lloyd, G. Stalker, M. Johnstone, C. Burton, W. Kunto, C. Lennox.

W. Seawright, E. Moore, E. Belfry, W. Ritter, J. Sharpe, F. Paul, P. Mullens.

T. Hearty, D. Bush, D. Bell, H. Harris, S. Como, E. Kellett, J. Magill.

E. Tweedie, H. Melanson, F. Jenkinson, P. Priamo, R. Furlotte, H. Bouchard.

H. Ross, G. Pothiers, E. Rowley, B. Rush, W. Jewitt, W. Young, S. Brown.

P. McGuffie, M. McNichol, D. Dreger, W. Murray, G. Brunelle, L. Bush.

P. Storie, N. Choma, I. Boal, R. Shields, G. Quigley, E. Tomassini, W. McIntosh.

C. Mason, R. Faulkner, J. Belair, L. Larose, C. Faulkner, T. Kane, O'Reilly.

E. Boyd, H. Levac, F. O'Hagen, T. Bosnar, D. Domonski, A. Munroe, A. Boyd.

S. Roy, J. Armstrong, B. Robinson, E. Montgomery, G. Todd, D. Smith, A. Racette.

Veteran Medico In Retirement



Dr. and Mrs. H. W. Feldhans relax in the cosy home they have recently purchased on Baker St., Sudbury. Seen in the picture are the floor lamp and mantel clock presented to Dr. Feldhans by grateful members of the Italian Society, Copper Cliff, on his retirement last month after 36 years as an Inco doctor. The presentation was made by Mrs. Dick Valentini, at whose birth Dr. Feldhans presided.

Ushered 3,000 Into the World

More than 3,000 babies were ushered into the world by Dr. H. W. Feldhans during his career as an Inco doctor which terminated last month with his retirement on pension after 36 years of "day and night service" at Copper Cliff.

In the early days, of course, the great majority of births took place in the homes, and usually the doctor had to officiate without the assistance of a nurse or midwife. "But I guess we got along about the same as they do today," says Dr. Feldhans with a broad smile, "because I never lost a father."

Born in Pembroke 65 years ago, Harry Feldhans spent most of his boyhood in Chalk River, where the family resided until 1900 when they moved to Copper Cliff. His father was employed in the Smelter shops and was pensioned from the Company's service in 1920.

Earned Gratitude of Hundreds

After graduating from the University of Toronto in 1908, Dr. Feldhans spent a year interning in Milwaukee and then practised for a couple of years in South Dakota. He returned to Copper Cliff to join the Company's medical staff in 1912, and since that time by his devotion to his profession and skilful care of his patients has won the respect and gratitude of hundreds who wish him many years of comfort and happiness in his well-earned retirement.

Dr. Feldhans was married in 1913 to Miss Elizabeth Fox of Orillia, a University of Toronto graduate who had come to Copper

Cliff in 1912 to join the teaching staff in the old school on Union St. Members of their family are Edna (Mrs. Ned Leore) of Sudbury; Agnes, a dietitian on the staff of Christie St. Hospital, Toronto; Mary, teacher of household economics at the Technical School in Sudbury. Their only son, John, was killed in action with the R.C.A.F. over Germany in 1945. Their three daughters are University of Toronto grads, and their son was in his second year in Mining Engineering when he enlisted.



EVENING REFLECTIONS

While on vacation last summer at Lake Chaud, Edward Dugal of Copper Cliff Smelter got this fine snap as the setting sun cast deep shadows on the water. Too bad insufficient entries forced us to drop our Picture Contest; this would have made a good entry.



LOOK AT THAT FOLIAGE

After this pic is printed, Ross Taylor, Frood-Stobie motorman, can sit back and wait for an offer from the House of David ball team. That's Ross in the centre, hiding behind the foliage, with his son, Jim, and their guide at Bill Morrow's fishing camp at Fairbanks Lake. Not a bad catch, either.

The Girls Have Been Busy



Great Displays Of Canning On The Home Front

Comes Fall, and the eager male, rushing into the kitchen on his return from work to see "What's cookin'", finds his nostrils quivering to the subtle perfumes of Nuit de Pickle and Preserve d'Amour.

What entrancing odors come from the spicy brew in the big kettle on the stove, and what a satisfying sight are the gleaming rows of sealers on the cupboard shelves! "Let the cold winds blow," says the Man of the House, generously rewarding the Little Woman with a magnanimous pat on the shoulder in reward for her extra labors.

There's a magic to Preserving and Pickling Time matched by nothing less than Christmas. There's a sense of security, of safety against stern days ahead, with winter in the offing and the good earth barren and cold.

Much Of It Homegrown

Along the Inco home front it's been a busy season as usual, as the pictures on the opposite page indicate. Added to the canning of rich yields from the vegetable garden has been the preserving of countless baskets of fruit, much of it homegrown too. It's the "banana belt" we live in, forsooth.

Getting around to the group of pictures which the Triangle camera picked up to catch the spirit of the season, we have:

1. Mrs. Sid Gemmell of Garson, putting the finishing touches to a batch of peach preserves. This picture is printed at the risk of bringing a first-class attack of homesickness to two young Gemmells who have flown the parental roost: Jim, who is now employed in the C.P.R.'s Lambton shops in Toronto as an apprentice mechanic, and Frances, who has enrolled as a student nurse at Western Hospital, Toronto. It's their first time away from home, and we fear they'll be mightily jealous of young Allan, 11, who is still on hand to revel in the aromatic delights of the canning season, as well as to taste the bounty thereof.

2. Mrs. B. L. Shaw of Copper Cliff, in the bright, attractive kitchen of her Church St. home, fills sealers with pickles which have had their nine-day seasoning in brine. Says her husband likes them. Who wouldn't?

3. At Creighton Mrs. Cliff Briggs stands beside a basement cupboard loaded with jars of delectable things which her hard-rock man will go for in a big way during the winter months.

4. Mrs. Wm. Mayores of Whittaker St., Sudbury, whose hubby works in the Copper Refinery, has a canning display which makes your taste buds sit right up and say uncle. Not shown in the picture are dozens of bottles of tomato catsup and other homegrown delights.

Proof of The Pudding

5. We pause here for station identification. Throughout the summer months Triangle has brought its readers a grow-by-grow account of progress in the garden of Open Pitt's Russ Barker, at his home on Howe Crescent. Now we show you the payoff. Mrs. Barker, who is not entirely convinced that planting a garden and watching it grow is the most important part of filling the cupboard shelves for winter, is seen here with the results of her annual canning spree. After her family had enjoyed its fill of fresh fruits and vegetables from their little garden, she still had enough to put down 22 jars of strawberry jam, 5 jars of raspberry jam, 16 jars of crabapple jelly, 5 pts. canned raspberries, 27 pts.



Nickel Belt Champs

In succession won the Nickel Belt baseball championship in their class. Mascot Bill McLaughlin is seen in front with their trophy; behind him, left to right, are Jim Smith, Dick McLaughlin, Lionel Vancleave, Tom Davies; in the centre row are Bob McLaughlin and Andy Zacharovsky; in the back are Leo McLaughlin, Mel Dundas, manager, and Bob Gorman. Missing members of the team are Tom Behenna, Johnny Hreljac, Enel DeFilippo, and Melvin Latvala. Although they will still be eligible for juvenile company, the Creighton kids are thinking of stepping into junior ranks next year.

canned strawberries, 24 qts. canned crabapples, 8 qts. canned rhubarb, 31 qts. canned tomatoes, 15 qts. canned carrots, 22 qts. canned beans, 13 qts. canned beets, 8 pts. canned peas, 10 bottles pickled beets, and 11 bottles of chili sauce, and there's a bushel of Spanish onions on the side. Brother, you know where to go if you get short during the lean months ahead!

6. Although she confesses to being a new hand at the preserving and pickling art, Mrs. Joe Charbonneau, whose home is on the Garson road and whose husband is a well-known Frood-Stobie miner, made no mistake with her first efforts. She's shown with some delicious-looking samples from her larder.

7. Just about everything you can think of that will go into a glass jar is included in this wondrous exhibit of pickles and preserves at the home of Mrs. Germain Tessier, Coniston.

Makes you kinda hungry, doesn't it?

BAD ARITHMETIC

Antique Dealer: "Yes, sir, this vase is more than 2,000 years old."

Mr. Newrich: "Don't give me that stuff. It's only 1948 now."



ADrift ON A RIFT

Or is it adrift on a raft? Anyway, there's nothing suits Mac Forsythe, Copper Cliff purchasing agent, better than a week-end at the Lake Penage camp he shares with Bob McIntosh, Aubrey Mills, Fraser-Brace cost accountant, sent us this somewhat informal shot of Mac, taking his ease on his private yacht.

Frood's Tigers Are the Champs



Directly reversing the decision between the same teams two years ago, Frood Tigers trounced Coniston Buzzers 4 games to 1 to win the 1948 Nickel Belt Baseball League championship and the venerable Monell Trophy.

Earl Brandy, Frood's popular big right-hander, presided at the final match, allowing only seven scattered hits and fanning 13 as he set the Buzzers down with a bump, 10-1. The Tigers had looked like title material from the drop of the hat last spring, and they came through with the goods in a very definite manner. Coniston made a great bid in the earlier games of the playoffs, but just couldn't match the run-making power of their opponents.

Finalists Face the Camera

Pictured above are the two teams: In the victorious Tigers' dressing room right after the final game: front row, Wally Woolcott, trainer; Bill Brown, catcher; Cleo Lalonde, mascot; Glen Seeley, pitcher; Johnny Zimany, pitcher; second row, Bobby Rivard, left field; Ned Leore, utility outfield;

Gerry Wallace, 2nd base; Earl Brandy, pitcher; Chuck Dalton, shortstop; Billy Demkiw, centre field; Harry Towns, manager; back row, Bernard Kallies, catcher; Cliff Bennett, left field; Bert Plouffe, right field; Izzy Girard, 1st base; Norm Flowerday, pitcher; Harry Marchand, 3rd base; Maurice Kinkley, coach.

Coniston Buzzers: front row, Bernard Forstell and Joe Barbe, mascots; seated, Aurel Blake, catcher, Charlie Hughes, left field; Alec Rudski, right field; Snell Blake, shortstop; Pete Priamo, catcher; Billy Core, 2nd base; Art Gobbo, 3rd base; Andy Barbe, centre field; Joe Crema, pitcher; back row, Joe Mairuk, pitcher; Andy Halversen, 3rd base; Armand Lemieux, 1st base; "Silver" Maroon, 2nd base; Johnny Leptak, pitcher; Bill Soliski, pitcher.

North Again Too Tough

In the annual "Polar Bear Series" to decide the unofficial Northern Ontario baseball championship, Kirkland Lake once again took the measure of the Nickel Belt representatives, although the locals got off to a

brilliant start in the opening game behind the sensational no-hit no-run pitching of young Johnny Barbeau, who went the season for Garson. As usual the frigid post-season atmosphere kept the crowds to a shivering minimum.

An Inoculation of Nisiloy Provides Vitamins for Iron

Like the physician, the metallurgist is now finding inoculation helps to improve the "health" of one of his important patients—cast iron. Only in this case, results of a dose of what might be compared with vitamins for the human body are reflected in castings that are easier and cheaper to machine, less likely to be defective, and with somewhat better mechanical properties.

For gray iron castings, the inoculant takes the form of an alloy—marketed under the trade name of "Nisiloy"—containing approximately 60% nickel, 30% silicon, and 10% iron. It is added to the molten metal in the ladle before pouring into the mold. The inoculant, however, is not to be confused with elements added primarily for alloying effects whose function is essentially to improve mechanical and other properties. The inoculant has been used for some years and previously has been known as "P" Nickel Type "B."

While "Nisiloy" does improve such properties of the cast iron as wear resistance, its chief purpose is to improve machining qualities. It accomplishes this by changing the grain and graphitic structures of the castings and making them (the castings) more homogeneous and uniform throughout. It also improves gall resistance, toughness, and pressure tightness.

Iron castings are often difficult to machine because of localized hard areas, or chilled edges and surfaces in light sections. These conditions cause increased machining time, slower production, greater tool wear and breakage, and sharply increased finishing costs. Much costly time can be wasted machining complex parts before the discovery of defects, often resulting in the scrapping of a casting or even an entire lot of castings. Thus, "Nisiloy," which corrects these conditions, can effect important economies to the user and producer alike.

"Nisiloy" has a melting point of only 1,800° F., as compared with 2,400° F. for cast iron; and a relatively high specific gravity, which is conducive to rapid dissolution and complete diffusion and consequent uniformity of the final structure.

The inoculant is produced in particle size convenient for ladle additions. Its closely controlled composition avoids formation of microscopic inclusion and excessive slagging, and thereby is conducive to cleaner castings.

Another economy has been found in many cases where the addition of "Nisiloy" has made it possible to eliminate annealing, so frequently necessary to make uninoculated cast iron machinable. This not only saves time and money, but avoids the impairment of strength which usually results from the annealing treatment. Possible distortion of castings by annealing is likewise eliminated.

Actual experience in many foundries provides definite evidence of the value of inoculation.

THAT'S THE ANSWER, TOO

"Hiya, Joe," cried Bill, meeting a pal for the first time since the war. "Did you marry that girl you used to go with or are you still doing your own cooking and sewing?"

"Yes," replied Jim.



Frank Fielding Is Making Success Of Turkeys As Hobby

Somebody said to Frank Fielding, locomotive conductor, that it's impossible to make a success of raising turkeys in Copper Cliff, so Frank is raising them.

He bought 52 young ones from the hatchery. One of them was blind and Frank didn't have time to teach it Braille so he put it out of its trouble, but the other 51 are doing fine. When the above picture was taken last month the birds were three months old and averaged 12 lbs. apiece. That's not so bad considering that the big turkey farms figure on a mortality of 10%.

Frank read someplace that it takes a bag of feed to raise a turkey. A bag of feed costs him \$4.50 these days and he hopes his flock will bring him an average of \$15.00 each by Christmas. This sounds like fairly good business, particularly since caring for

the bird takes very little time. Frank gives them a shot of iodine every now and then in their drinking water to keep them on their toes, checks them each day for injuries because they're great to scrap among themselves, and that's about all there is to it.

He doesn't have to worry about marauders, either animal or human, because his dog Chips takes care of that department very effectively.

If his turkey experiment works out this year the way he thinks it will, Frank plans to enlarge his racks and raise 500 turkeys next year.

Carbon Monoxide

The number of accidental deaths from carbon monoxide poisoning increases as the weather grows colder and extra precautions need to be taken against this hazard during the coming months. Careless ventilation practices at home and in garages account for the increased toll taken by this poisonous gas.

The exhaust from automobile engines always contains carbon monoxide — harmless in the open but deadly in closed places. Careless habits often expose car drivers and garage workers to excessive concentrations of this gas. The precautions to be taken are simple and should be rigorously followed if accidents and fatalities are to be avoided.

A car engine should never be run in a garage when the doors are closed. Large garages should be equipped with mechanical ventilation whose efficient functioning is essential during the winter months when doors are usually kept closed. All motors exhaust fumes should be piped outside the building.

In the home, furnaces and stoves should be checked before firing is started so that heating equipment, ill-fitting pipes, worn and corroded parts and clogged chimneys will not cause dangerous contamination of the air by allowing direct penetration of coal gas from the burning fuel into the room. Premature checking and improper use of the damper is a common cause of air contamination.

Concentrations of 100 parts per million of air by volume is considered the maximum safe concentration. Air analyses will be

performed by provincial departments of health on request.

The odor of any escaping gas from burning fuel should always put an individual on the alert against carbon monoxide. Early symptoms are shortness of breath, tight feeling across the forehead and dizziness. Collapse and suffocation will follow unless the victim is removed to the fresh air.

All treatment begins with the prompt removal of the patient from exposure. A doctor should be called at once. If breathing is difficult or has stopped, artificial respiration should be applied. The patient should be kept warm and prevented from moving until placed under the physician's care.



FIRST PICTURE

Mrs. Frank Meleshle of Sudbury (nee Alma Cormier of Copper Cliff) is seen here with her five-week-old son. He took so kindly to the camera in his first picture that he is quite probably destined for Hollywood; after all, this guy Gable can't last forever.



MASTER CARPENTERS

Hard at work at their home on Howe Crescent, Sudbury, are two young master carpenters, Gary and Wayne Kutchaw, building a new dwelling for the family cats, Richard and Michael. Their dad, S. J. Kutchaw, is employed at Frood



DRAWS \$46 DIVIDEND

Joe Kania of the Smelter Mechanical Department figured out a shortcut for making clutch repairs on the scrap loaders in the converter building. The saving in time by using his method resulted in an award to him of \$46 under the Employees Suggestion Plan. Nice skull work there, Joe!



Autumn Bounty at the Sudbury City Market