

Thirty-Four Now On Co. Sick List

Speedy Recovery Is Hoped For

Thirty-four Lukens employees are on the sick and injured lists according to the latest statistics at the employment office.

Hearty wishes for a speedy recovery are extended to these people, who include: J. Killingsworth, Earle Isacs, John Quash, John Newlin, Henry Kohm, George Murskovia, Paul Taran, Frank Henry, Kirkwood Wallace, Clarence Rogers, Clarence Wallace, Lloyd Allen, W. H. Harvey, Lee Adderston, Winfield Haines, Frederick Conner, Harry Matson, Milton Althouse, Harlan Detterline, George Waldron, Gordon Church, Thomas Williams, Maurice Sagnor, Frank Paxson, Steve Ruffer, Harry Pyle, Harry Shopf, Harry Steen, Frank Allison, Harry Zinn, Willis Harry, W. J. Warren, Earl Harlan, and Arthur Widdoes.

Looking at the brighter side of the sick list issue, several Lukenites have recently returned to work. Among these were Stewart Anderson of the police department and Mrs. Eleanor Sydenstricker, telephone operator.

Bessemer's Fading

Glaring night skies above steel plants, once sure signs of activity in the mills, have lost much of their former significance with the shift importance from the Bessemer to the open hearth method of making steel.

Open hearth furnaces were first operated in the United States in 1868, but not until 1908 do the records show that production of open hearth steel exceeded Bessemer. In that year, 7,836,729 tons of open hearth steel were made, as against 6,116,755 tons by the Bessemer process. Since that year, however, the tonnage of Bessemer steel has grown smaller, while production of steel by the open hearth process has rapidly mounted.

"Duck Shooters"



Here is the Metallurgy Bowling Team, champs of the Lukens Duckpin League

Lower: Oates, Wilson, Pyle.

Upper: R. Minker, W. Minker, Weller

Sports Of All Sorts Listed

The most interesting year of bowling since 1929, from a Lukens standpoint, has been concluded at the Y. M. C. A. alleys with Lukens bowlers taking more than their share of the honors.

Although the Lukens team in the Industrial League failed to win either half of the schedule, "Gil" Hatfield at the machine shop, captained the new champions, the Travellers.

Hatfield, who amassed an average of 187 for the season, was aided nobly on his team by "Bud" Fisher, machine shop, 183 average; Horace Swisher, mill office, 184 average; and Walter Miller, main office, 191 average.

"Bud" Fisher incidentally showed the boys a few new tricks by copping both the high individual game and high match for the year. He had respective marks of 278 and 703 to achieve this honor.

"Lew" Bunting headed the
(Continued on page three)

Mech. Foremen Give V.N.A. \$97

Once Active Group For- mally Disbands

The Mechanical Foremen's Co-operative Club of Lukens Steel Company, which disbanded on January 20th, 1932, has announced a gift of \$97.76, all the available funds, to the Visiting Nurses Association of Coatesville and vicinity.

This disposition of the money in the treasury was the unanimous choice of all of the members. The money was turned over to the Visiting Nurses early this month by Thomas Morgan, secretary-treasurer of the Lukens club.

All of the club's funds were invested in the Coatesville Trust Company and consequently have been tied up for some time. Any further payments from this source will be turned over to the Visiting Nurses.

W. C. Chapman, former Lukens executive, was president of the club at the time of its disbandment. In a letter to officials of the club he said, in part: "I wish that you would give my sincerest thanks to those who gave this club their enthusiastic support and helped so much to make our get-together meetings a pleasant and enjoyable occasion. You have picked a good cause for the disposal of the funds and you have my hearty sanction. Remember me very kindly to my old friends and wish them all the best of luck."

Mrs. W. C. Huston, president of the V. N. A., expressed most heartfelt thanks for the timely gift. "We are carrying a very heavy load of work at the present time, and we assure you that your gift will be of great help," she said. "It is a wonderful tribute to the service of the V. N. A. in this community to be chosen as the recipient of such a generous gift and we are very grateful."

The world's greatest kidder:
The stork.

Lukens Plate

Published by and for the Employees of Lukens Steel Company
Every Fourth Week

Editor, Edward Lake

Lukens Steel Co. "Then And Now"

Ed. Note: The following information, furnished by C. L. Huston, is supplementary to the article appearing in the April edition of the Lukens Plate.

As soon as possible after the 84" steam mill was started in 1870, the heating furnaces in the old water driven mill were changed into puddling furnaces and a set of grooved rolls installed to roll charcoal and puddled blooms and billets 21" wide, 14" wide and 7" wide into bars and "covers", one heating furnace being added to heat the charcoal and scrap blooms for this rolling.

Also a water driven trip hammer was installed for hammering the puddled balls into blooms and billets, preparatory to rolling into "covers".

This mill was started in operation under the management of Mr. Harry Brooke, son of Mr. Charles Brooke, of Hibernia, about five miles north of Coatesville, who, with Mr. James Sproul, of Sadsbury Township, ancestor of Governor Wm. C. Sproul, (two old time iron masters), were a great encouragement to Mrs. Lukens and helped her make her start after her husband's death in 1825.

This puddle mill, in the shape as shown in the two pictures taken about 1878, continued in operation, preparing stock for the plate mill, until the early nineties, when the use of iron plates was finally abandoned.

A photograph of the old original fly wheel was taken before dismantling and is preserved as a souvenir.

Prior to the building of the 120" mill, the 84" mill, consisting of a two high roughing and three high finishing train, was rebuilt about 1886, making the rolls of both trains 96" long, to meet the demand for wide plates, which was steadily increasing. The steam engine driving these two roll stands, roughing and finishing, was increased in power by installing a Corliss engine cylinder, which also gave more steam economy.

Waste heat steam boilers were also added over the puddling mill furnaces, the old water wheel being replaced by a steam engine, and the surplus steam carried across under the main line railroad tracks of the Wilmington and Northern Railroad to supply the extra steam, which was required for rolling steel in the plate mill.

Also, two extra boilers, hand fired, were added to the plate mill, the larger tonnage of steel demanding more steam while, at the same time, the furnaces heating steel gave less waste heat for steam generation.

This mill, built in 1870, was changed back to 84" after the building of the

120" mill, and continued in operation until after the new tandem 84" mill was started in 1926, with its two high roughing and four high finishing electrically driven roll stands. The old 84" mill then was dismantled, having given an unusual length of life service, totaling 56 years, and having amply earned its own liberty.

The first two Acid Open Hearth furnaces were erected early in 1891, a short time after the 120", three high mill, now the 112" mill, was constructed, this mill being the first east of the Alleghenies equipped with live roller feed tables for saving labor and increasing tonnage capacity, using much thicker and heavier ingots.

A battery of hand fired boilers was also installed on the east side of the 120" mill as the new steel heating furnaces had no waste heat boilers.

About 1897, the 120" mill was equipped with cooling tables for mechanically handling and inspecting the plates while they were being cooled on the way to the shears.

In 1899 the Universal mill was erected, made to roll plates from 8" to 48" wide, designed by C. L. Huston, the first Universal mill to be built of the "Lauth" three high type, and made to roll plates up to 100 feet long.

Also, at the same time, the No. 2 Open Hearth plant was started with four Open Hearth Basic furnaces, the Universal mill and the No. 2 Open Hearth making the beginning of development to the west side of the Brandywine stream, on land purchased from Moses Rambo.

This made a total of ten Open Hearth furnaces, the No. 1 plant having grown to six furnaces, being built as far as the extent of that portion of the property would permit.

In the year 1900, the 120" mill was lengthened out, making the rolls 134" long on account of the increasing demand for wide plates.

About 1902 the slabbing mill was purchased and installed, having been built for Mariopol, Russia, by the Morgan Engineering Company, and designed by Julian Kennedy.

This mill was operated for two or three years, but found to increase the cost and was not necessary for making boiler plates, which could be made more economically and more satisfactorily from slab ingots.

This mill was made ready to start up again to help out with the large demand during the world war, but, since the price of plates was reduced under Government control, the mill never started after that, and was dismantled to make way for the new tandem, 84" mill.

Then, in the summer of 1903, the 140" mill, was put into operation, capable of rolling plates up to 136" wide, and, at the same time, the 134" mill was cut down to 112" width to make a more rigid mill for rolling the lighter gauges of moderately wide plates, the 140" mill for about three years taking care of very heavy plates for the shells of Scotch marine boilers which were coming more and more in demand, until the width and weight of these large plates became so great that it was found necessary to build a still larger mill, when C. L. Huston designed the first successful four high plate mill and began the building of the present 206" mill, originally 204" but later increased 2" within the same housings.

This mill, with its equipment of

furnaces, approach and feed tables, handling and shearing equipment, was designed practically to do away with all heavy hand labor, the size of the pieces becoming so great that it was impossible to handle them in any other way than by mechanical means.

The No. 2 plant having been increased several times with addition of two furnaces at a time to a total of ten furnaces, and being considered insufficient for tonnage of rolling stock, by reason of the addition of the 206" mill; No. 3 Open Hearth, north of the No. 2 Open Hearth plant, and consisting of eight 90-ton furnaces, was constructed, thus rounding out sufficient tonnage to take care of all the mills when running to capacity.

The success achieved by this 206" four high mill started the engineering talent of the country to making almost every new mill built, especially of the continuous wide strip type, with four high roll stands, because of the manifest advantages demonstrated by its operation.

The 206" mill, besides making very wide plates, is equipped to handle very thick ingots, the mill opening up to 41" so as to take an ingot weighing 90,000 lbs., which, with mechanical devices, makes the rolling and manipulation of such large ingots quite easy.

This mill is the only plate mill in the country which can make plates of such dimension, both in width and thickness.

Flower Gardens Breed Rivalry

Carpenter Shop Is Now "On The Spot"

Not to be outdone by "Tom" Morgan and his carpenters, several new challengers have appeared recently to get into the swim for the flower growing championship of Lukens Steel Company.

The carpenters have been head and shoulders above the rest of the crowd for the past several years with their attractive flower gardens at the side and front of the shop and the beautiful ferns within—but now everything is changed.

A new and attractive flower bed has been discovered nearby the oil receiving station, opposite the physical test laboratory, and if all the flowers that are planted there come through and bloom it begins to look as though a new champion may be crowned.

In the meanwhile five or six separate gardens, each enclosed with bricks, have been set up at the south side of the By-Products department. When this variation of seeds bursts into bloom within the near future the By-Products will no doubt be doing some boasting on their own hook.

All in all it looks like a wide open race with the old champions, the carpenters, probably having a slight edge on the newcomers.

The tender nursing and care that go into every successful flower garden are taken care of by employees, working on their own time, either at lunch hour or before or after their day's work is done.

Sports Of All Sorts Listed

(Continued from page one)

Mozarts in the Industrial League and missed getting high average for the year by less than a point. He averaged 194 pins per game for more than seventy games. "Lew" is still flabbergasted at the result of the roll-off with the Travellers. "Billy" Rubincam, steel inspector at the 206" loading bank and "grand old man" of the league, was also a member of Bunting's team and showed the way to practically all the young fellows with a 186 average.

Other Lukenites who competed in the Industrial League include Brooks Grab, store room, who was third in averages, with a neat 192 mark in his favor; "Bud" Minker, electric shop, 180; Frank Holton, Lukenweld, 180; "Ed" Lake, pipe shop, 180; and "Les" Reynolds, welding department, 179.

Lukens Duckpin League.

All of the team honors and most of the individual honors in the Lukens Duckpin League were carried off by the strong Metallurgical Department squad. This group won both halves in a walk and placed four men in the "Big Six" average leaders.

"Charley" Alexander of the Open Hearth department turned in a 131 average for 72 games to lead the league by a margin of four points. His closest opponent was "Charley" Wilson, captain of the champion Metallurgists, with a 127 average. "Tom" Oates, Metallurgical, was third, with 125; George Bunting, plate mills, fourth with 119; and Robert Minker and Raymond Pyle, Metallurgical, fifth and sixth respectively, with 119 and 118.

Averages of the other bowlers included: L. Bunting, 116; L. Miller, 116; Platt, 115; Davis, 115; Rudisill, 114; Maxwell, 114; N. Yost, 114; W. Minker, 112; Stuber, 109; Howe, 108; Boyd, 107; Walters, 105; Haines, 105; Watterson, 105; Kuhn, 104; Ranck, 104; Warner, 103; W. Glauner, 102; Lusky, 102; Courtney, 101; Zipsie, 101; and Pierce, 101.

Wilson Wins Tournament.

"Charley" Wilson captured first prize in the Duckpin League

"Lord Baltimore," New Rail Speed King, Uses Lukens Steel In Construction

Lukens or the Lukenweld division has participated in practically every development to date in high speed streamlined railway equipment, such as the Burlington "Zephyr", the "Flying Yankee" of the Boston & Maine, and the Union Pacific high speed streamlined train.

Latest of such developments are the new high speed streamlined steam locomotives of the Baltimore & Ohio Railroad, the Lord Baltimore and the Lady Baltimore. For these modern locomotives, which operate at 350 lb. boiler pressure and can attain a speed of 112 miles per

hour, Lukens Steel Company furnished the steel plates used in constructing the boilers and fireboxes.

That Lukens has always been in the forefront in development of iron and steel for railway work is a matter of pride with the Lukens organization. Lukens rolled the iron plates for the first steam locomotive built a century and more ago, and Lukens is logically selected to furnish boiler and firebox steels for such modern motive power as the newly-built Lord Baltimore and Lady Baltimore of the Baltimore & Ohio.

elimination tournament by beating out Howard Rudisill of the Superintendents in the final, 363 to 330. Wilson and Rudisill bested a field of 19 starters to get into the finals. Wilson got in two rounds, the quarter and semi-finals, by the margin of one pin. High triple and single in this contest went to "Ray" Pyle who had 439 for three games and 192 for one game. The prize to the winner was a \$5 pair of bowling shoes.

Tennis.

Try-outs for positions on teams in the Lukens Tennis League, a new organization, will begin at the Central Park courts on Monday, May 13th.

The Tennis League, something new in the plant, was organized recently and will include such teams as Metallurgical, Lukenweld, Sales, Main Office, Bedaux and Time, and Plate Mills.

The season is expected to get underway about May 27th after the teams have had plenty of time to select their lineups.

Anyone interested in participating in this sport, which is sponsored by the athletic committee of the Plant Representatives, should get in touch with J. G. Althouse, Research Dept., for further information.

Baseball.

Coach "Ben" Griffith is earnestly engaged in whipping the plant representative nine into first class condition for the opening game with the Black Diamonds next week.

Lukens was the champion tough luck club of the Community League last year and with a few "breaks" this season they

should go far.

Due to the fact that so many aspirants reported to try out for the various positions, little will be known of the definite lineup until the first league game.

Here And There

Add-Blessed events—Mr. and Mrs. William Schulte, the hubby being an employee in the Research Department.

Howard Pearson, Lukenweld, had the boys guessing for awhile. They know he's in double-harness, now though.

IN MEMORIAM

LEON QUAINANCE—mill-right foreman in Open Hearth Department. Death by suicide. Had been with Lukens Steel Company, with exception of four years, since 1905.

MRS. ROSALIE KENDRICK—wife of Vincent Kendrick of the Mill Order Department.

WARREN COATES—traffic dept., main office, with Lukens since February, 1905.

JOSEPH SNYDER—former bricklayer and masonry foreman at this plant. First affiliated with Lukens in 1902. Wawasset Beneficial Society member.

All employees of Lukens Steel Company join in condolence of the bereaved families.

Cafeteria Here Is One Of Best

100 People Are Served
Daily

Feeding a family of 100 men and women is a problem that is being successfully solved five days a week at the Lukens Steel Company cafeteria, located in the Main Office Building.

This statement will be readily attested to by all who have ever had occasion to partake of the delicious and inexpensive repasts prepared and served by the competent cafeteria staff headed by Mrs. Abigail Lillis, cafeteria manager, and ably assisted by Mrs. Helen March and Mrs. Sue Snyder.

According to the manager, the daily menu at the cafeteria includes approximately 12 dozen rolls, 30 to 40 pounds of meat, 20 quarts of milk, 5 gallons of canned vegetables, 1 bushel of potatoes, 6 gallons of soup, and a large quantity of refreshments.

The cafeteria is available to superintendents of the plant and employees at the Main Office. Until mid-summer of last year the daily number of diners was approximately 35, but at this time a number of girls were added to the list and brought the total to 95.

The meals are priced at a very reasonable figure and service is from 12 to 1:30 o'clock. There are three dining rooms in the cafeteria, also a kitchen, pantry and storeroom.

The trio of ladies who prepare the meals are on duty from 8 o'clock to 4 o'clock and are kept steadily busy during this time with all of the various details which go to make up a single meal.

Haldeman To Head Suggestion Committee

P. C. Haldeman, chief engineer, has been named to serve as chairman of the suggestion committee of the plant and will soon assume his new duties, replacing Lester Curtiss, present chairman.

The policy of the company is to rotate the position. Haldeman will have charge of investigating the feasibility of all suggestions.

CHATTERBOX

"Bill" Peoples knows his trout fishing from A to Z *** if you don't think so get into an argument with him *** "Jack" Howard the electrician is one of the most pleasant fellows we know *** and serious along with it *** those western dust storms don't have much on Luken's own *** here's dust in your eye *** Russell Fisher is the official pudding eater champion *** according to cafeteria count *** who is Harry Smith *** that's what they've been asking at the Main Office *** Rudisill was a riot in that duck-pin tournament *** he almost talked Wilson out of the title *** "Ed" Brown pulled up with sore toes and a bed-room slipper after celebrating his 30th wedding anniversary *** can't take it, eh Brownie? *** "Buck" Gilbert at the 140" mill is the greatest local booster for Daylight Saving Time *** "Buck" set his clock ahead 25 hours and came out to work one day early when Standard Time ended recently *** and don't forget to ask "Ed" Rissell how he stands on Daylight Saving *** Frank McCreary, rooster par-excellence for Hauptmann, says Barney Nethrey hasn't seen anything yet *** "Bob" Copeland is out for the title "best dressed man" at the mill office *** "Jack" Pinkerton is right on his heels *** get "Archie" McGibbons to tell you about the time he helped dig the Panama Canal *** the steam shovel used took months to assemble, according to McGuigan *** "Johnny" Rutter, conductor, is our nomination for the funniest guy in the plant *** he's a sure cure for the blues *** "Norm" Franciscus may organize a rowing club *** if he can get into condition *** Gill, one of the track foremen, is a crack poker player *** and lucky is no name for him *** "Lew" Trott is receiving congratulations from Brooks Grab, at the store room, on the showing the Athletics are making this year *** Bailey, labor foreman, is the proud possessor of the only goatee in the plant *** now that "Tom" Martin has broken the ice several other bachelors at the test lab. are expected to follow suit *** one of them inquired about that Corey Field carnival offer, tis' said ***

Safety always pays dividends.

Division No. 5 Leads In Safety

Went 149 Days Without
Lost Time

After compiling the most impressive record of 149 consecutive days without a lost-time accident, Division No. 5, (Miscellaneous Departments, Walter Watterson, chairman), had their streak snapped on April 23rd when an employee reported an injured condition which forced him to leave work.

The injury which brought about the downfall of the fine record, incidentally, was an infection, traced directly to the employee's failure to go to the first-aid when first injured. As is usual in such cases, the trivial bruise turned out to be more than that, and lost-time resulted.

Division No. 5 has averaged better than 90% since last November and has captured safety honors several times during this interval.

Wages Discussed At Reprs. Session

The regular meeting of the employees' representative committee was held Monday and in the absence of Joseph Lovell, chairman, the session was presided over by Vice-Chairman Edward Irwin.

J. H. McElhinney, general superintendent, attended the meeting by invitation and gave an interesting talk.

Discussion of the petitions asking for an increase in wages, which were circulated through several of the mechanical departments recently, was the most important feature.

It was pointed out to the representatives that the company is not in a position at present to offer any base rate increase but that the departments which presented petitions and are not on Bedaux, will be subjected to time study and, wherever practical, will be put on the Bedaux system.

United Drive In Plant Nets Total Of \$4,800

The Annual United Drive in Lukens Steel Company to secure funds for the Y. M. C. A., Y. W. C. A., Visiting Nurses, Public Welfare, and Boy Scouts, netted a total of more than \$4,800.

Letters of thanks from all of these organizations have been received by company officials, who were well pleased with the liberal response.

Help prevent waste in plant.