



American PARADE

PUBLISHED FOR AND BY EMPLOYEES OF AMERICAN FOUNDRY EQUIPMENT CO., MISHAWAKA, IN

Cleaning for an Aluminum Raincoat

WHEELABRATOR SPEEDS CLEANING
TIME AND IMPROVES SURFACE FOR
CORROSION-PROOF METALLIZING

FLYING in quest of enemy targets from Burma to Berlin across sea lanes in atmospheres charged with heavy salt water mist, Cyclone-powered Sky Leviathans of all descriptions, with every engine "aluminum raincoated," are impervious to the ravages of dreaded salt water corrosion.

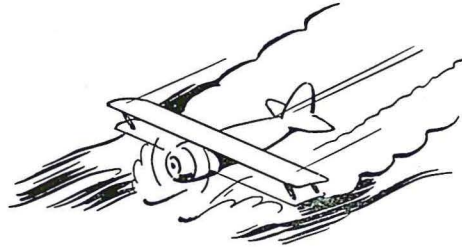
Fortunately for an America fighting a war in the air and over the sea—and an America even in wartime planning the expansion of its aerial merchant marine—precautionary steps have been fixed and dependable routines for the protection of the exposed steel parts of sea-going planes and their engines.

The corrosion-guarding steps are embodied in metallizing, a process that applies a thin coat of pure molten aluminum, itself highly resistant to corrosion, to the metal surfaces to be protected. In order to

obtain proper adhesion of the sprayed metal, the surfaces must first be thoroughly roughened by blasting. For this purpose, specially designed Wheelabrator cabinets made by American Foundry Equipment Co. are in use on a high production basis at the plants of the Wright Aeronautical Corp. and sub-contracting companies.

So far as seagoing Wright Cyclone engines are concerned, the principal parts metallized are cylinder heads and cylinder barrels. These are exceedingly vulnerable to salt water corrosion because, for the sake of engine cooling, they are situated at the places to which the spinning propeller first whips water and moist air.

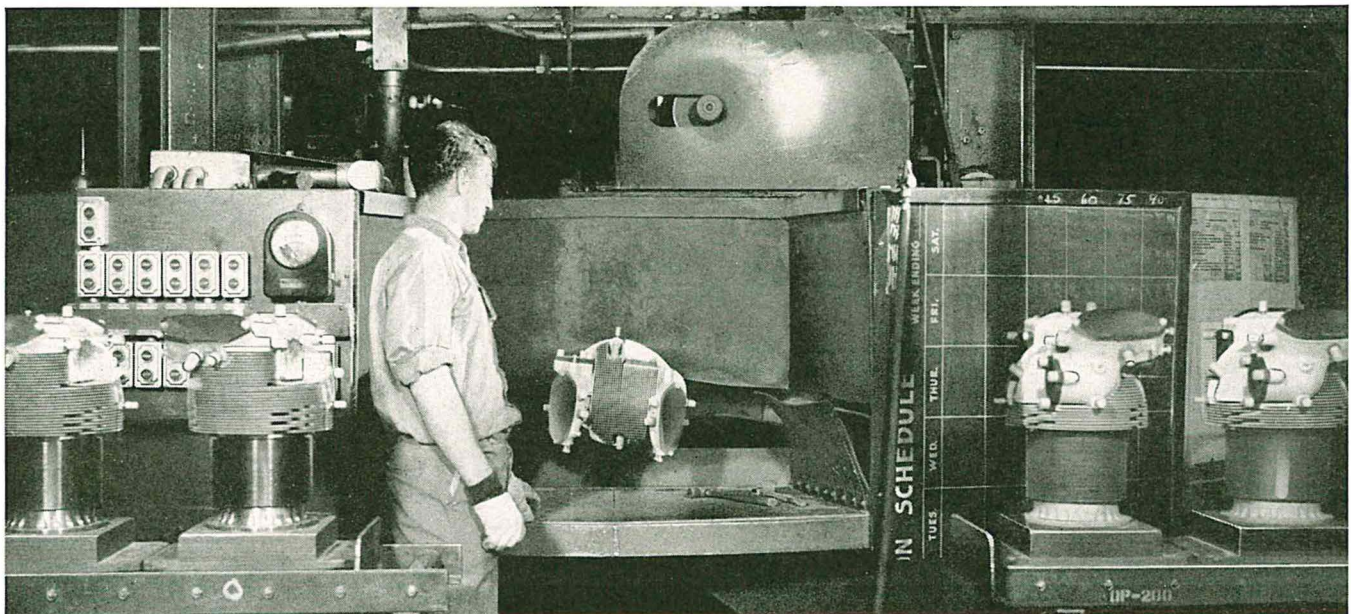
The aluminum alloy and steel of which cylinder heads and cylinder barrels are



made cannot be changed to a corrosion-resisting metal because the latter would not have the necessary strength and hardness combined with light weight. But that corrosion-resisting metal, pure aluminum, can be added to these parts, coated on their outer surfaces like enamel.

With wartime's increased demand for metallized cylinders, improved methods had to be found for the high speed finishing of these important aircraft engine parts. The production line setup at Wright Aeronautical Corp., composed of only two machines—the Special Wheelabrator

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brator Cabinet and the automatic metallizing equipment, turns out a finished cylinder every 75 seconds.

Completely automatic in operation, the Wheelabrator Cabinet is self-contained and has 11 long arms projecting radially from a central hub which rotates within the housing. On each of the arms a cylinder is placed by the operator at the loading station at the front of the machine.

As the cylinders enter the machine they start to revolve on their own axis and are indexed under each of seven Wheelabrators which are located at various angles on top of the cabinet to assure complete coverage of all surfaces and between the fins of the part. After thorough roughening at each of the seven stations, the finished cylinder is removed and a new one slid into place.

From the Wheelabrator Cabinet, cylinders go directly to the automatic metallizing machines. This equipment applies the coating evenly to the full depth of the fins. The machine comprises six stations each of which allows a different angle of the cylinder to be properly sprayed. A finished part can be produced with this equipment every 75 seconds, whereas over 18 minutes were formerly required with hand machines to finish the cylinder.

That accelerating the metallizing of cylinders has not affected the quality of the finished products at the Wright Aeronautical Corp., is indicated by this report:—Army standards for metallizing engine parts require that they remain impervious to the concentrated salt water spraying

Members of AFECO 1943 Softball Team



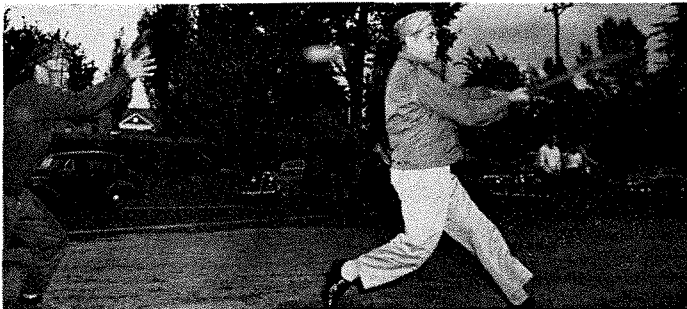
The roster of the 1943 AFECO Softball Team: Crouching, left to right, Robert Gibbens, Jim Andrews, Ray Van de Walle, Maurice Roelandts, Dimitri Siviak and Asst. Mgr. Frank Morin. Standing: Jackson Snyder, Mgr. Dan Miller, Jack Bowers, Eugene Kemper, John Van Belleghem, Al Reygaert, Maurice Poelvoorde, Robert Powell and Andy Federnok.

for at least 250 hours. Tests have shown that metallized Cyclone cylinders which have been subjected to Wheelabrating and

automatic metallizing have withstood the effects of salt water for more than 700 hours.



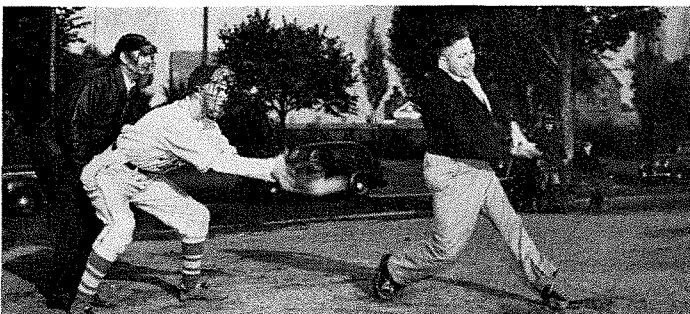
Some Softball Action Shots



Corp. Harry Hixenbaugh, home on a furlough, finds out that Army life has taken the edge off his batting eye as he missed by a foot, a high, fast ball.



"Yer out"! Bob Gibbens slides into second base too late as Ralph Whittaker slams the ball on him for the out.



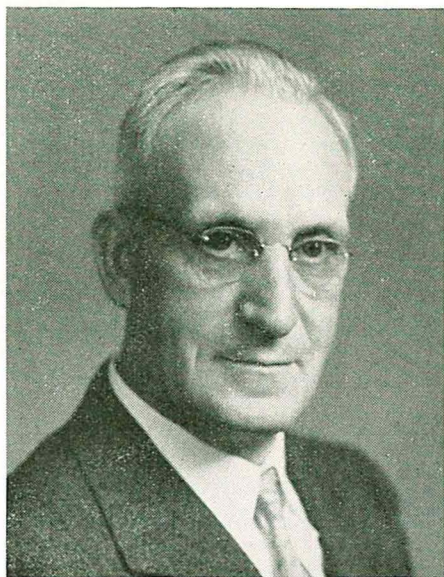
Ralph Whittaker discovers a hole in his bat and strikes out. The umpire, Ray Davis, crouches over the back of catcher, Bob Powell.



Perfectly at ease, Bob Powell, with a major league stance, waits for a slow, high ball.

An AFECO Pioneer

Harry Smith



Harry Smith

On October 20, 1916, a tall Englishman, 29 years old, walked into the office of the manager of the Sand Mixing Machine Co. in Cleveland, Ohio. When he left the office several hours later he had instructions to come back the next morning to report for work in the experimental department. This marked the beginning of the 27 years' association of Z. Harry Smith with AFECO since the Sand Mixing Machine Co. in 1919 became the American Foundry Equipment Co.

The Sand Mixing Machine Co. had been manufacturers since 1908 of the first machines built for cutting foundry sand. Verne E. Minich, present Chairman of the Board of AFECO, had purchased the patents for this revolutionary unit and had gathered a capable crew for manufacturing the machines.

Harry Smith's first job with the company was to help develop a new design Sandcutter and for this position he was well qualified through his experience with dozens of automotive and miscellaneous manufacturing companies. The following list of the firms for whom he had worked since coming to the United States in 1906 indicates the thorough training he accumulated in practical manufacturing: Cleveland Street Car Power House, Cleveland Electric Illuminating Co., Olds Oakland Garage, The Sebering Motor Car Co., Pennsylvania Railroad, Otis Elevator Co., White Motor Car Co., Adams Motor Co., Chandler Motor Car Co., Jeffries Motor Co., Ferro Machine & Foundry Co., and Packard Motor Co.

Arrives in Boston—1906

All of this experience he accumulated after April 17, 1906, when he arrived in Boston, Massachusetts on the steamship *Saxonia* from England. Born in Skegness, Lincolnshire, on the North Coast of England in 1887, he was the twelfth child of

a family of 13 children. Farming was the family occupation and when he became 14 he left school to help at home.

After several years of farming, the daily routines of chores and farm labor—including the milking of six cows before breakfast—got the best of Harry and off he went to seek his fortune. His first job was on the Great Northern Railroad and never was there a prouder boy than this as he sang, "I've been working on the railroad, all the live long day."

One of his older brothers had settled in Australia and kept writing Harry to come and help him in his work of setting out coconut plantations for the government. After several persuasive letters, Harry could no longer resist the urge to go, so packing his few belongings and "adventure bound" he set off in April 1906. Friends of his had earlier gone to the United States, settling in Cleveland, Ohio, and Harry decided to visit them on his way to Australia.

Upon his arrival in Cleveland the hospitality of these friends and possibilities for work so impressed him that Australia was soon forgotten and like "The Man Who Came to Dinner" Harry stayed on and on in Cleveland.

Further Education

All was not the "milk and honey" promised, however, and it was a hard grind working first for a brick mason and succeeding other odd jobs. Realizing further education was necessary to find a suitable trade, he attended YMCA night school for more than two years, studying drafting, an auto mechanics course, and modern production methods. Then began his various jobs in automotive plants eventually culminating in his employment at the Sand Mixing Machine Co.

To those of us accustomed to the four advanced models of Sandcutters now being built in our plants, the early Sandcutters appear to be toys but they were demons for hard work and capable of cutting sand which had formerly required a crew of laborers to hand cut. Incidentally, Charles Benham, now New England sales representative of the Company was shop superintendent at the time Harry became part of the organization. After the first new machines were built, Harry was detailed to install and service the units. Only two field servicemen were employed at that time to install and take care of the machines—the other being Dave Logan, present sales representative for the Company in Newark, New Jersey. Dave had the Eastern territory while Harry handled the Western territory.

In 1919 the management of the Sand Mixing Machine Co. and the Rich Foundry Equipment Co. of Chicago, Illinois were merged into a complete foundry equip-

ment manufacturing concern with sand-cutting and blast cleaning machines, and the American Foundry Equipment Co. was born. All manufacturing facilities were moved to the Chicago plant while administrative offices were maintained in New York City.

Made Foreman

In this new set-up Harry Smith was made foreman of the Sandcutter manufacturing line and during this period a peak production of 22 completed Sandcutters a month was attained.

Harry's popularity and leadership resulted in his election to the presidency of the Employee's Welfare Association, a post he held for several years. The dances, picnics, parties, athletic events and social affairs of the AFECO Welfare Association were the talk of Chicago.

When the manufacturing plant and administrative offices were moved to Mishawaka in 1926, in its present location, Harry was foreman of the steel fabrication shops which included the manufacture of both Sandcutter and sand blast equipment. Later he was made superintendent of the steel shop and due to his guidance and experience many advancements in manufacturing and assembly procedures were realized in that department.

Tames Sandcutters

Design improvements in Sandcutter machines have been made based on his analysis of customers' experience with the units. Whenever a machine is to be tested, Harry climbs aboard the rambunctious Sandcutter and with a few swift maneuvers and magic words, soon has the obdurate machine tamed.

No doubt his ability to master the Sandcutter comes from his first attempt to drive an automobile in 1911. He had informed the garage owner that he could drive and in getting into the tow car to move it into the garage, he let in the clutch (old cone type clutch) and before he knew it he was through the tool room fence. After delivering a scathing lecture to frightened Harry, the garage man got into the car to back it up but the clutch grabbed for him too and he backed into a 50 gallon oil drum. That evening matters and Harry spent the rest of the day driving around Cleveland.

When our heavy wartime production schedules called for sub-contracting parts of production, Harry was assigned to find manufacturing plants with suitable capacities and facilities for producing and assembling various pieces. Eleven important subcontractors were commissioned and for months Harry worked day and night keeping them informed of our needs and supervising production.



HARRY SMITH

As a trouble shooter of sandcutter and blast cleaning machine complaints of customers, Harry has no peer. Growing up with our equipment has given him the ability to diagnose troubles instantly and his recommendations for corrections and improvements solve the problems quickly and permanently.

He is presently occupied with the design and construction details of our foundry improvement program and he can be found at any time engrossed in a sheaf of blue prints.

So much now for the summary of his association with AFECO because a good size volume would be required to relate the many experiences he has encountered during his employment. He has forgotten none of the incidents occurring years ago and when he is in a reminiscing and talkative mood he can ramble on for hours recounting scores of interesting stories.

Becomes Citizen—1915

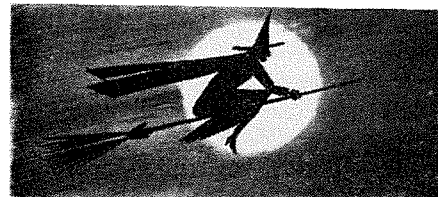
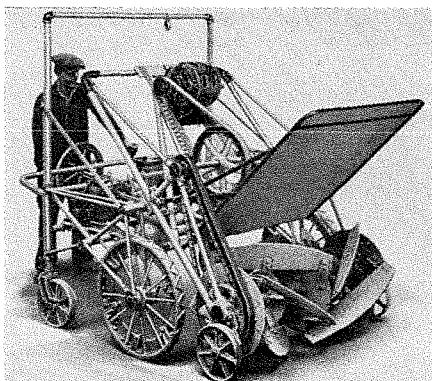
After Harry Smith had been in the United States for three years, he decided that this country was good enough for him, so he applied for his naturalization

papers. In 1915 he received his final papers becoming an American citizen. Another important step he took when he was only 24 years old was his marriage on Christmas Day, December 25, 1911. We could pull the old gag here about his desire to combine two gift anniversaries but perhaps we had better skip it.

Three children were born to the Smiths and as we all know two of them—Albert and Fred found AFECO inviting enough to seek employment here. Both were servicemen for the company until recently when Al joined the Army Engineers Corps to service Army instead of Wheelabrator equipment. Word has just been received that Fred has also joined the services of his country—enlisting in the Navy Seabees. Harry's daughter Eleanor is now attending Indiana University for nurses training.

His fame is not confined alone to his position with AFECO for there are few Mishawaka youths, especially those living in the East End, whose life has not been influenced to some extent through Harry's Boy Scout work. A committee member of Mishawaka's largest Scout Troop, he is not content to be a member in name only for his every spare minute is spent helping the Troop build the youth of today into the citizen of tomorrow.

An Early Sandcutter



Big Halloween Party Attracts Large Crowd of AFECO Employees and Their Families

The Union furnished everything free—eats, mixed dancing, and real entertainment by AFECO artists at the big Halloween Party, October 30 in Winey Hall, Mishawaka.

Entrance was by ticket only, but AFECO employees obtained tickets for themselves and their families and enjoyed the Party planned by Chairman Clarence Kelly and his Committees. We vote for more and more parties.

★ ★ ★

Financial Status of the Employees Welfare Association

It was with regret and only after the greatest discussion that the Board of Directors found it necessary to levy the extra 50c assessment on October 1. No one wished more that this step would be unnecessary than did the Board but with "the barrel being scraped" for benefit funds, it was the only remaining procedure to take.

In July \$379.30, August \$412.00 and during September \$552.00 were paid to EWA members as benefits. During the same period income from the ten cent weekly contributions of members averaged \$225.00 monthly. Since only \$167.01 remained in the Treasury (enough for two week's benefits) the extra assessment of 50c per member became necessary. This procedure was provided for in the Constitution of the Association in Article IV, Section 7.

Since the levying of extra assessments on members is not a desirable step, the Board of Directors is now studying several methods of putting the Association back on a sound financial footing. Only two alternatives are possible: one, to increase the weekly contributions of members, or two, decrease the amount of benefits.

Every member will be given an opportunity in a general meeting to voice his approval of the proposed changes of the Constitution in regard to benefits to be paid. This organization has only one aim—to aid its members during disability from sickness or accidents. Its value in AFECO cannot be questioned. Help to preserve the organization with your support.

Suggestion Award Winners

NAME	SUGGESTION
R. E. AGLER	To mount an angle track on the side of the wheel guard to guide diamond wheel during concave dressing operations.
JAMES DAVIDSON	Furnish holder for pencil stubs.
MILDRED FORE	Dial 9 to obtain use of outside telephone line.
CHARLES MILLER	Make a jig to weld nuts on circular deflectors.
VIOLET NIELSEN	Parts Service Department to number "B" Orders with a numbering machine.
KENNETH ROHLER	Furnish Downstairs Engineering with file outside of vault to accommodate drawings, papers, BM's.

★ American Men in Uniform ★

"My outfit has been on Maneuvers most of the time for the last 3 months and so many other things have happened to prevent my writing that I suppose you thought I have forgotten you.

"It's not possible to forget you folks back home because you are continually doing something for the men in the Service. I received my Vacation Check promptly even though I was in the Field at the time it was given to me. Thanks very much. I stuck that check down in my sock—because I have hopes of getting a vacation soon and then is when I'll need it most. I received the gift package also while in the Field. Boy, those cookies and candy really hit the spot. I receive the 'Reader's Digest' regularly and derive much satisfaction in reading it.

"I left the Lone Star State of Texas. I am now stationed here in Maryland. This is sure a fine camp. It is very large—covers 2700 acres. It is approximately 40 miles square. They have just about everything you want here on the Post, such as swimming pools, tennis courts, dancing, tailors, movies, beer, wine and WAC'S. Over 100 have resigned since I have been here. I guess some of them didn't find the Army life as glorious as they expected. I am working in Headquarters, Service Records Div. at the present time. Sure plenty busy.

"There is to be 5000 Cadre (Non-Commissioned Officers) shipped in here as Camp Personnel. This will be a direct activating unit. When things get into full swing the Camp will accommodate 15,000 men. These activating units will be shipped here and will stay about 3 weeks. The whole program here is to boost morale of the boys before they go across. Our primary job is to see that they enjoy themselves while they are here. We have an elaborate training schedule which consists of dancing (afternoon and evening), swimming, football, basketball, tennis, stage shoes, movies and anything to show them a good time. We expect to be under way in about a month."

Cpl. Roger C. Boscoe

* * *

"After receiving all these swell gifts and other things, I just had to write and thank you all. Everybody has been swell. I appreciate it very much and I know the rest of the boys do too.

Pfc. Richard C. Trippel



Lt. Frank Bleich



R. L. Stevenson, S 2/C



"Receiving the 'American Parade' is the swellest thing I receive. It's good to know how things are running back home. And it's good to read and see the faces of some friends that you worked with.

"I want to congratulate all of you for winning the Army-Navy 'E'. You all earned it. I only wished I was there when you received the award."

Pvt. Harry V. Kozlowski

* * *

Recently Charlie Gehring spent eight hours reading—he received 90 letters in one mail!

* * *

"We have to get up every morning at 0555. In fifteen minutes we have to be dressed and out to the football field for twenty minutes of exercises. Immediately following this we have 45 minutes to dress and make our bunks. Breakfast is served at 0715 and our classes begin at 0800. You must be to classes on time or they restrict you over the next week-end. One period each day is taken up by physical training. Dinner is served at 1200 and we have a daily muster at 1305.

"At 1630 when classes are over for the day, liberty starts and continues until 2200. This time is used for studying, playing ball, or going to town. One period of the week is set aside for swimming. They have conducted several tests. Next week they are going to start giving the first class test. Every Saturday afternoon we have Captain's Inspection. This is one thing that the boys all dread because they're afraid they'll have a spot on their clothes. If you do have you must change uniform and report to the Captain.

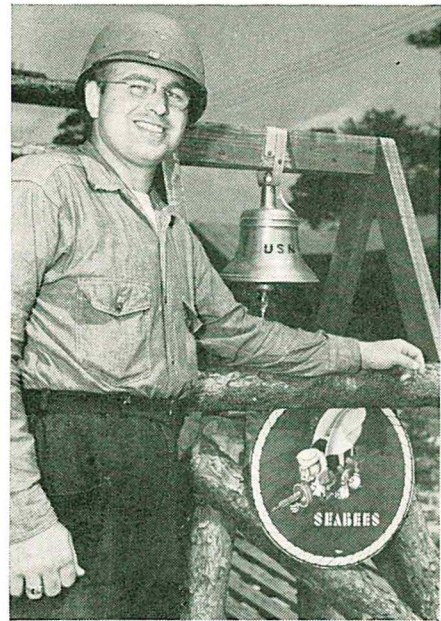
"I read where the Foundry had beat Dodges and I hope they keep right on winning".

Eugene Clemens, A.S-V12
St. Laurence University
Canton, New York

* * *

"Due to my bouncing from one hospital to another I have failed to leave any definite address. After engaging in 3 battles I was sent back to the states to be cured of battle shaken neurosis and tropical arthritic feet. I had been in the hospitals since March and returned to America in April. I was honorably discharged from the Navy, August 23.

"I now live with my family at 2412 East Fourth Street, Superior, Wisconsin. I thank you and all of the other boys for the



Official U.S. Navy Photo.

James F. Feller, S 2/C

Fighting SEABEES, who would just as soon club a Jap with a two-by-four as look at him, claim still another recruit for their construction battalions from AFECO.

After more training, during which he will learn to handle gun, grenade, and machete, Jim will be ready to ship out with a contingent of SEABEES to Island "X", that unknown destination which may be anywhere in the world that American forces are quartered or on the move.

Once there, Jim will use skills he learned at AFECO to help erect the SEABEES "Bridge to Victory", and will be prepared to defend what he builds.

good work done for us while we were in the front lines. The people of American Foundry have been very kind to us. It was nice to know that we weren't forgotten by the people back home, especially when we gave up all hope of ever seeing them again.

"Now I am a veteran of foreign wars and am trying to find a job to suit my disability. I will be hoping to hear from you."

Joseph Asbury

* * *

SERVICEMEN'S GIFT OF THE MONTH

The Servicemen's Gift Committee's latest package to former employees now in the armed forces was a writing folder. It is a folder type, covered in khaki cloth—one side is a firm surface for writing, the other has pockets containing letter paper, envelopes, address book, perpetual calendar and space for a photograph.

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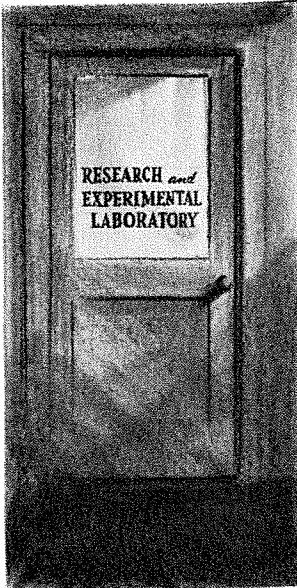
Additions to the Honor Roll



RALPH MUMBY
WARD CORRELL
LOUIS DAVIS
ROBERT POWELL
ROY BEHNKE
ALBERT J. SMITH

Research—The Key to AFECO Progress

Part II—Functions



"A definite work program is pursued."



"Wagon builders who didn't keep pace."

In many respects the words "experimental" and "research" convey impressions of vague and fanciful tinkering—scientific explorations that have little kinship with practical affairs.

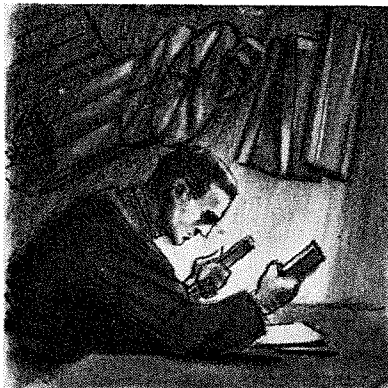
In certain types of laboratories the entire program is of this type—it is called "pure research". But the experimental department or research laboratory at AFECO is conducted along practical lines. And a definite work program is pursued.

From its very birth the Company has been a firm believer in engineering development and research, because it is the only way to progress.

Organizations that are content and self-satisfied enough to drift along without serious attention to product development soon find themselves confronted with saturated markets, competitive substitutes, and other rocks on the road to oblivion.

History is filled with stories pointing this moral; for example: the wagon builders who didn't keep pace with transportation needs; the windmill makers who overlooked the utility of the gasoline engine and the electric motor; the straight-edge razor makers who sneered at the safety razor; the coal stove builders who ignored the central heating principle of the modern furnace.

"A trained metallurgist devotes his time to research."



Through research the Company has progressed to leadership in its field. It has created more original developments than any other single concern in the industry. The latest and most important of these is the Wheelabrator airless blast unit, invented and developed in our laboratory in 1933.

This ingenious mechanism has been so highly successful that it has revolutionized the blast cleaning industry. It speeds up metal cleaning to a fraction of the time formerly required—it saves valuable factory space—it greatly reduces electric power consumption—it provides cleaner surfaces, thereby increasing tool life, improving machinability and simplifying inspection.

The facilities of the AFECO experimental department have increased from year to year. Specifically its functions are as follows:

(1) To Engage in Research Aimed at Improving Company Products:

Field reports from servicemen and sales engineers draw attention to mechanical and operating factors upon which improvements can be made. These and other changes, found to be desirable by the sales, engineering, and experimental departments, form the basis for a constant research program.

"Witnessing these tests in person."



Since blast cleaning is a severe process, there are always opportunities for refinements in equipment design no matter how improved the various mechanical elements have become.

In this category are such items as Wheelabrator blades, control cages, impellers and wheels. A trained metallurgist devotes his entire time to research in this field.

When the Wheelabrator was first introduced the severity of the blast was so intense that blades lasted only three or four hours. Today, thanks to our research activities, blades last up to several hundred hours in many cases.

Improvements like these have a tremendous effect on sales and business progress.

(2) To Develop New Technical Processes Within Our Field—Thereby Creating New Markets and Increasing Sales:

No business can afford to live on past laurels. It never stands still—it either moves forward or it moves backward. Competition takes care of that.

Here at AFECO our research department has been engaged for many years in developing many new applications for our equipment and new processes that will

inevitably open new avenues for company progress after the war.

(3) To Assist in Working Out Special Design and Engineering Problems in the Building of AFECO Equipment:

The multitude of complicated present-day products that must be cleaned on a mass production basis present difficult problems.

Formerly, when it was common practice to blast-clean products by means of a sand blast hose and nozzle, it was not too difficult for the operator to reach every crevice and recess by the simple process of "pointing the hose".

Today, however, this method of production is too slow and costly. The Wheelabrator has so revolutionized blast cleaning that it is fast replacing the older methods. Since the process is entirely mechanical, involving complicated work-handling mechanisms for exposing work to the abrasive blast of the Wheelabrator unit, practically every cleaning problem involves new engineering problems.

Inasmuch as it would be costly to design and build equipment for a special purpose, only to find that it was not practical for the job, the only sensible thing to do is to make an investigation experimentally in order to determine design requirements.

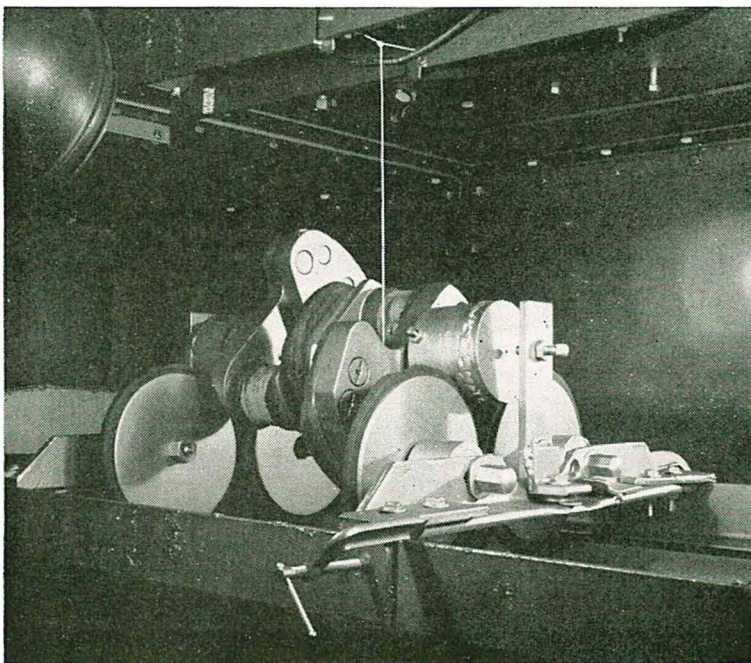
Our research laboratory is equipped with the necessary standard and special equipment for carrying on this work. In many cases special fixtures and handling mechanisms must be built to accommodate the work for testing purposes. By altering and studying the efficiency of these devices our engineers can determine the type of equipment needed for solving each individual problem. The final designs, in blue print form, are the result of initial studies conducted in the research laboratory.

(4) To Provide a Means for Demonstrating Products to Prospective Customers:

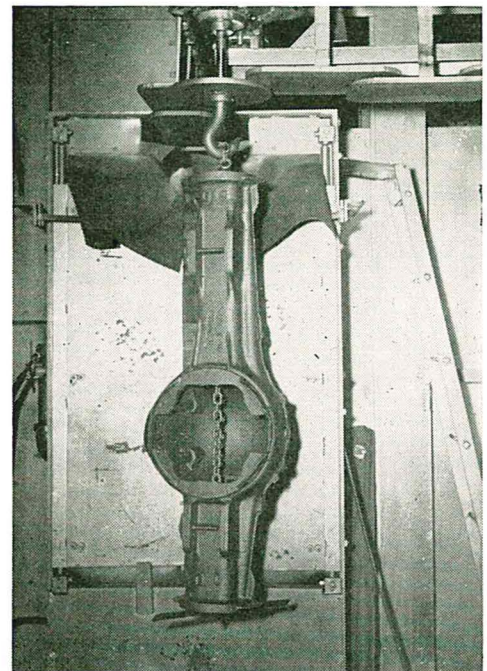
If you have ever done any selling you know that most people are "from Missouri". Especially is this true in selling heavy industrial equipment. Buyers are naturally skeptical, and it takes strong evidence to convince them of the wisdom of buying new equipment, especially if it means going to another method about which they are not familiar.

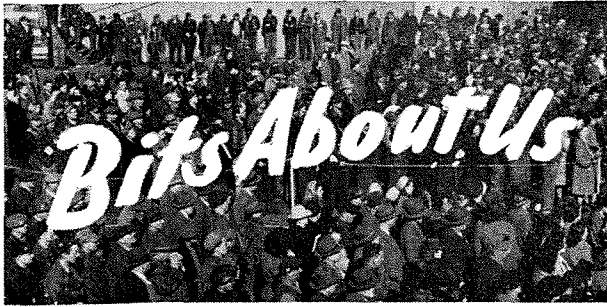
Since the "proof of the pudding is in the eating", we encourage prospective customers to send work to our laboratory for test cleaning. By witnessing these tests in person and timing the speed of cleaning they can determine for themselves the unusual benefits to be derived from installing this equipment.

An experimental set-up for cleaning aircraft crankshaft forgings in a general duty Wheelabrator Cabinet.



This huge axle housing casting required a monorail cabinet set-up for Wheelabrator cleaning of exterior and interior surfaces.





NOTE: "Parade" will be glad to accept news items for publication on this page, from anyone in addition to the regular departmental reporter. Just give us the bare facts, if you wish—and drop it in the mail marked for the attention of the Advertising Department.

OFFICE *Marjorie Frazee * Jim Bostick*

A sincere appreciation is due our maintenance gang for our inviting exterior. Everytime I see our well landscaped entrance it's a new thrill. Those ivy-clad walls of the machine shop add a touch that makes the visitor wonder if it is a member of the respected "ivy-league".

* * *

People who deserve a big hand—Ken Barnes who is always willing to lift a desk or move a typewriter for one of the girls.

* * *

The number of people from the office who attended Anna Marie Frisoni's marriage to Edward Biesbroeck is a military secret. Anna Marie looked as if she was enjoying her own wedding as she floated down the aisle to meet Eddie—that's the type of bride we like to see. The bride kissed Mr. Hirsch and Mary Ann Goheen kissed the groom—well, the next time all of us will know better.

* * *

New people in the office—
Zola Brennaman—Mail girl
Dorothy Smith—Purchasing
Ruth Fishburn—Purchasing
Dorothy Lott—Purchasing
(return engagement)
Loretta Ernst—Files
Helen VanderHayden—Parts Service
Adelia Frisoni—Sales
John Wolf—Accounting

★

HEATER *Virginia Ernst*

The employees of the Heater Department and their families had a weiner roast at Baugo Creek with all the weiners, buns, pickles, olives, relish, etc. that a person would care to eat. Best of all, there were no ants or mosquitoes. Walter Fox proved himself a very proficient coffee maker, with almost everyone coming back for second helpings.

Of course the worms get there all by themselves, but the girls in the Heater Office are wondering what is the source of the worms that have been appearing on their desks and chairs.

* * *

Kenneth Magnuson decided to spend the second week of his vacation in the old home town instead of going on a fishing trip. Who wouldn't want to go back to such a place as Pretty Prairie?

ENGINEERING DEPARTMENT

*Agnes Ernst * Alice Myers*

New people in Engineering—Max Hinkle, draftsman; and Roy Fishburn, who works on parts books.

* * *

Clyde Snyder rigged up an electric hoist; but, so far, we don't know whether it is for business purposes or just something to play with.

* * *

1st Lt. Whitney Gregory, Jr., squadron navigator, one of our former engineers, has been awarded the Distinguished Flying Cross by the Army Air Forces for his part in the raid on the Ploesti oil field in Rumania.

Lt. Gregory has been in England since November, 1942, instructing in navigation for six months and since then on active combat duty.

★

SHIPPING *Juanita Hanna*

It seems the love bug has hit the Shipping Dept. and now we're wondering who is next. First Bill Kadowski and now George Grodrain. Step right up folks—who's next?

* * *

The girls in Shipping are now enjoying Mrs. Kadowski's cakes. Besides copying a few receipts, A. Hummel and yours truly have cake every day at 2:00 P. M.

* * *

Ray DeSmet entertained with a coke drinking party, September 18. The occasion—Ray's 21st birthday.

Anyone knowing where you can buy R. G. Dunn Opera Cigars, please notify Bill Crowell, Traffic Mgr. What's to become of the shipping if Bill can't get cigars.

* * *

Joe Velleman and Ray DeSmet would like to have any old whistles or horns you have around. Besides a set of chimes, a doorbell, two horns and a whistle they just can't get enough noise out of Joe's Ford.



This Nazi swastika flag will never fly again. Joe Ascai displays the battle flag which his son Joe captured in the Sicilian Campaign. He also has a captured German watch as another souvenir.



Bob Rich, of the Chicago sales office, proudly displays ducks shot while on a hunting trip last year. Whether or not he had any help getting so many we don't know.

It is Simply Your Imagination

One June night a filling station proprietor challenged his two attendants to think up some way of increasing gasoline sales. He wanted to keep both men on his payroll, but business did not warrant it. The three men thought and talked the matter over. Various possibilities were discussed.

Perhaps striking signs and unusual displays would stop more passers-by; perhaps a third brand of gasoline would attract customers who might prefer it to the two already carried; perhaps inexpensive premiums given with a five or ten-gallon purchase might run up volume.

"All those ideas add to our costs," commented the boss. "I want to add business without doing that."

Finally one helper said: "Most customers ask for five gallons when often the tank will hold more. Maybe we could sell them a gallon or two more by asking, 'Shall I fill her up?'" (Before gas rationing)

This simple piece of imagination increased business about 10 percent, but some customers still replied, "Oh, I guess five gallons are enough."

Then the filling station attendant thought a step further. His object was to make it difficult for the customer to say "five gallons." A different question was tried: "How much will she hold?"

When this question was asked briskly

and with the assumption that the customer wanted a full tank, his tendency was to look at the gasoline gauge and reply that the tank would hold six, eight or ten gallons, as the case might be. The attendant immediately began to pump in that amount. This idea increased sales another 10 per cent.

It is good practice to think against definite problems. It is an exercise which anyone can try. It is encouraging, too, for anyone can get results of some kind. Never mind if your imagination seems unimportant at first: big originality is sometimes merely a little seed given a chance to grow.

H. A. Overstreet in one of his talks gave as a key to creative thinking the simple question, "Does it have to be that way?" As a light setting-up drill, this question has no equal. Take some common situation in which you find yourself and keep thinking, "How could I improve that?" New ideas are sure to come.

He continues: "I went to the automobile show one year with a man who was fond of exercises of this kind. His comments on the new cars were interesting. Coming to one of the best sellers, he said: 'I think they will have to modify that radiator inside of a year; it's too extreme for the public.'" His prediction came true. Stopping in front of another car which had adopted a radical new design, he

remarked: "That whole car is a dangerous experiment. It will be interesting to see if it sells at all." Within a few months, the manufacturer of the car went into bankruptcy.

"The ability to think practical, original ideas is latent in all of us. We all see something at times which we think could be done better. Anyone can imagine a house, an automobile, or an animal with new features in it. Perhaps these features will be impractical, but through continued exercise of this sort one's ideas will grow better and better. Finally, we may develop judgment as good as that of the friend who went with me to the automobile show."

"Originality," declares T. W. Higginson, "is simply a pair of fresh eyes."

We can cultivate the habit of looking at things as though we never before saw them. Then start thinking about improvements. Keep looking, looking, looking. Then, when you get an idea that looks good to you, turn it in to the Suggestion Committee.

★ ★ ★

Did you submit Suggestion No. 780?

This award has been posted four times on the "Reply Sheet" and if the owner does not claim the award before November 10 the money will be turned over to the Servicemen's Gift Fund.

★

Because You're Better . . . ★ ★



YOUR SKILL Will Win the War!

"Every American worker is fighting an enemy worker. To beat him, we've got to know our jobs better...and do them better...every day."

YOUR JOB IS VITAL TO VICTORY!

Because you are a better worker—because our boys are better fighting men—because our fighting equipment is better—and because this equipment is coming off the production line faster—we will win the war . . . No one of these, alone, can bring victory, We need all of them. You as a war worker, are responsible for out-producing enemy workers. To do that—you've got to know your job better—you've got to do that job better—you've got to do it faster than Eric in Essen—or Tojo in Tokyo . . . Your skill, applied constantly and continuously, will win the war.

Your Job is Vital to Victory!

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Benefit Dance

A Success

The Servicemen's Benefit Dance given by the Union in August was a success and every one attending had a good time. The amount turned over to the Servicemen's Gift Fund was as follows:

Proceeds from the dance....	\$ 47.60
Donations from the boxes in the factory.....	3.65
Donation from the Union...	48.75
	<hr/>
	\$100.00

Let's drop a few more nickels and dimes into these boxes placed about the shop and show the boys we haven't forgotten them while they are away.

★ ★ ★

Our Army Poem

Donald Fawley sent us this poem from North Africa and we have also seen it attributed to Oregon—but it's still a good poem.

Somewhere in Africa

*Where the sun is like a curse
And each day is usually followed
By another slightly worse,
Where the brick red dust blows thicker
Than the shifting desert sand,
Where a Yank man dreams and wishes
For a greener and fairer land.*

Somewhere in Africa

*Where women are never seen,
Where the sky is never cloudy
And the grass is never green,
Where the jackel's nightly howl
Robs a man of blessed sleep,
Where there isn't any whiskey
And the beer is never cheap.*

Somewhere in Africa

*Where the mail is always late,
Where a Christmas card in April
Is considered up to date.
Where we never have a pay day
And we never have a cent
But we never miss the money
Because we never have it to spend.*

Somewhere in Africa

*Where snakes and lizards play,
Where a thousand more flies
Replace the ones you slay.
Please, take me to my hometown
And let me hear a church bell
For this Godforsaken outpost
Is a substitute for Hell!*

GET A LOAN
FROM THE
AFECO CREDIT UNION

What They Are Saying!

This being the Parade's first birthday, our quiz correspondent went out through the plant and asked a question about which the editorial staff has often wondered.

Question—What is your opinion of the Parade and what features, if any, do you like in the Parade?

* * *

George Fairchild—"The American Parade is well balanced. No changes are needed as far as I am concerned. It would be a good idea to put in more information about the Wheelabrator and its manufacture so that we would know why accuracy and precision are needed on all parts."

* * *

Gene Heighway—"The page of letters from servicemen is the first thing I look for. I wish there were more of them. (So do we.) Stories of Wheelabrator installations are needed. How about telling us more about the Electric Air Heater Dept. What are they doing now in their new building? The Parade is 100% O-K."

* * *

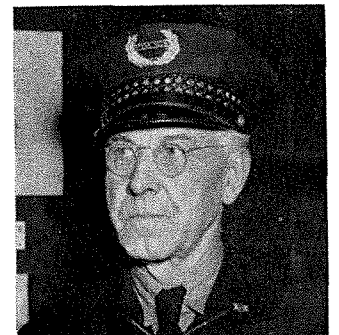
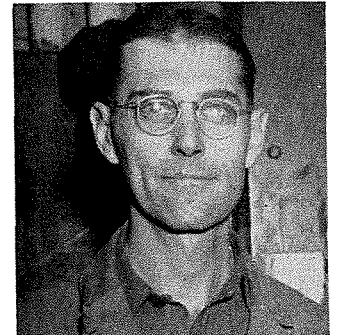
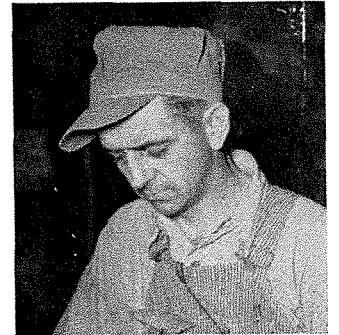
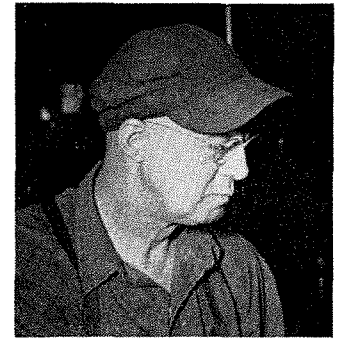
Lloyd Forner—"The story in the last Parade about the use of a Dust Collector in the egg drying process at a Chicago firm was very interesting. I think the stories about the various plant departments are good because we get a better idea of what's going on in the rest of the shop."

* * *

Jack Metcalfe—"I have nothing to add to the Parade. It seems like everything is in that should be. I have all copies at home and like to read them over and over again. I enjoy the stories on what we are doing at AFECO for the war effort."

* * *

Bert Weesner—"The whole Parade is just right for me. My wife also enjoys reading the Parade and can tell you just what has been in the past issues. Possibly a few jokes and more cartoons could be included from time to time. I like to read what our boys in Service are doing and know they must be interested in what we're doing at AFECO."



Your Part in the War Effort

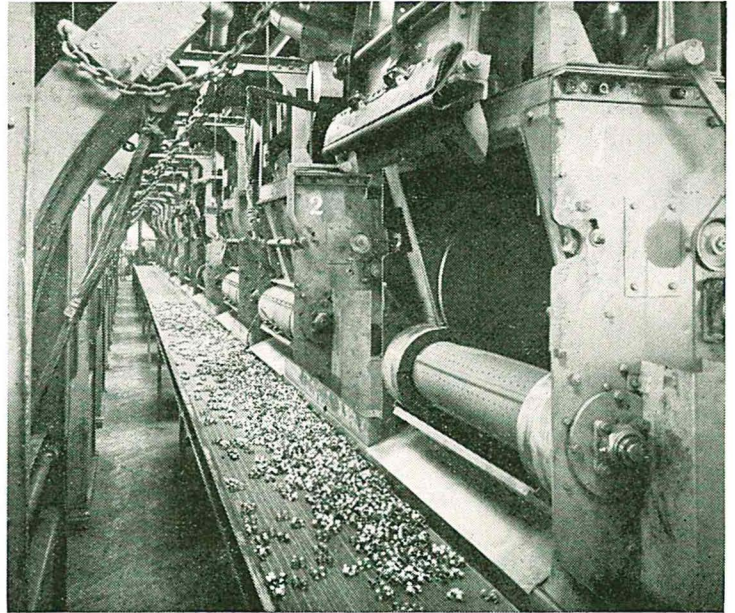
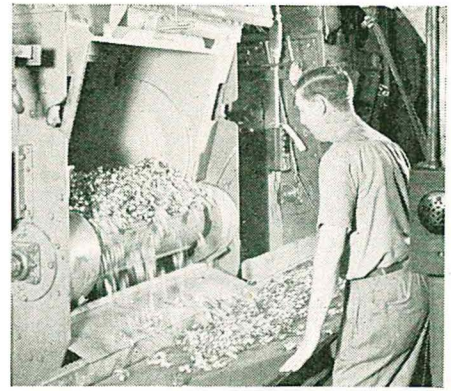
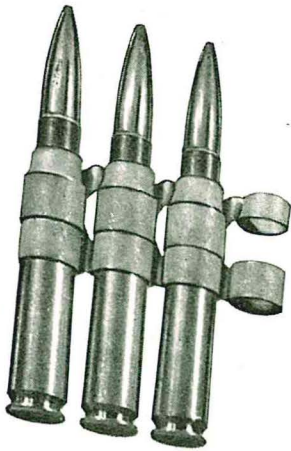


WHEN A NAZI CHARGE IS STOPPED DEAD

Millions upon millions of machine gun clips are being cleaned every day in American Wheelabrator equipment. The machine used for this work is our 27 x 36" Wheelabrator Tumbblast with rubber belt conveyor.

This unit has been so completely successful for this purpose that it is almost universally used by war plants producing machine gun clips.

The views at the right show a battery of ten Wheelabratators in the plant of one of these manufacturers.



In the course of the performance at a rural "opery house" the magician had pulled a rabbit from Deacon Brown's beard. Next day, around the cracker barrel, Zeb Allen said, "Weren't you sair-prised, Deacon, when he yanked that there rabbit out'n your whiskers?" "Nope", said the deacon, "Knewed there was somethin' in 'em".

An old gentleman approached a nattily attired Negro at an elaborate dark-town wedding.

"Pardon me, suh," said the old pappy, "is you de bridegroom?"

The young fellow shook his head dolefully. "No, suh," he replied. "Ah wuz eliminated in de semi-finals!"

An Irishman was relating an experience of hardship in the jungle. "Ammunition, food, and whisky had run out," he said. "We were parched with thirst."

"Was there no water?" asked a listener. "Sure, but it was no time to be thinking of cleanliness", replied the Irishman.

A mother may hope that her daughter will get a better husband than she did, but she knows her son will never get as good a wife as his father did.

Pat, employed in a local quarry, one day set off a stick of dynamite by accident and forthwith disappeared into the clouds with several tons of debris. The catastrophe was witnessed by Mike, who, sometime later, was approached by the quarry owner.

"Where's Pat?" asked the owner. "Gone", replied Mike. "And when will he be back?" "Well," said Mike, "if he comes back as fast as he went, bedad, he'll be back yesterday!"

From one of MacArthur's boys comes the story of the mother kangaroo who, after scratching her tummy vigorously for several minutes suddenly picked up her youngster and spanked him soundly for eating crackers in bed.

"I didn't see that ewe turn", said the ram, as he tumbled headlong over the cliff.

A little boy was saying his prayers in a very small voice.

"I can't hear you, dear", his mother said. "Wasn't talking to you", he replied.

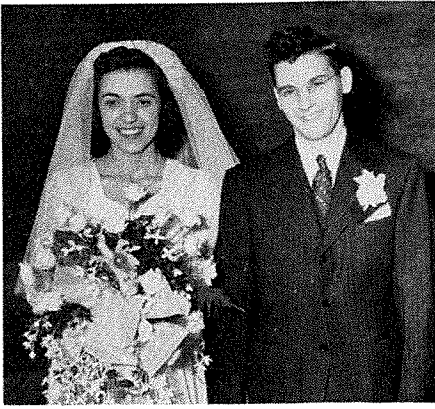
No wonder the little duckling wears on his face a frown, For it has just discovered, Its first pair of pants was down.



WE DID IT AGAIN!

We topped our War Bond quota of \$19,800 (issue value) again in September by purchasing \$22,545.00 worth of War Bonds.

U. S. WAR BONDS ARE WINGS FOR THE EAGLE AND FEATHERS FOR YOUR NEST.



Just before the wedding bells started to ring for Anna Marie Frisoni and Edward Biesbroeck on September 30. Now it's, "Mr. and Mrs. is the Name."

★ ★ ★

Julianna Club Entertains Miss Frisoni

The Julianna Club entertained with a dinner September 28 in Blake Gardens honoring its president Miss Anna Marie Frisoni who was married September 30 to Mr. Edward Biesbroeck.

Pink and white gladiolia and azuraidum formed the interesting centerpiece and pink place cards marked each guests cover. The gift of crystal from the entire office was presented to Anna Marie at that time.

Miss Margie Frisz arranged the dinner assisted by Miss MaryAnn Goheen, and Mrs. Forest Greene.

★ ★ ★

The Duck Pin League

Six teams of duck pin fans from AFECO roll it out each Tuesday evening at Hills Alleys. It's a little early to say which team is best, but after three sessions the "Hot Shots" are at the top of the heap. The teams and players are:

HOT SHOTS

Frank Morin
Irene Grams
Ray DeSmet
Claude Riddle
Vera Andrews
Joseph Velleman

CABINETS

Mary Brioli
Andy Federnok
Homer Byrd
Ray VandeWalle
Alice Myers

TUMBLAST

Mary Power
Dan Miller
Paul Strombeck
Jack Bowers

TABLES

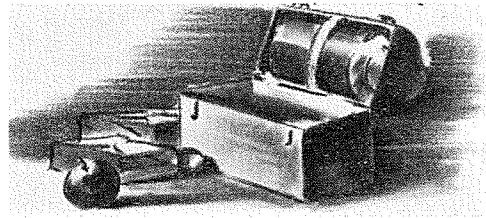
Betty Warner
Jean Gunnett
Chester Crumrine
Bill Snyder
Robert DetBrenner

WASHERS

Agnes Ernst
Martha Renner
Frank Miles
Gene Dickerson
John Reed

HITS AND MISSES

Margie Frisz
Harry Holmes
William Brannon
Charles Bulltink
Marie Davis
Odella Schaut



Filling the Lunch Pail

The sandwich is the backbone of any lunch pail and can make a good lunch even better. Last month we suggested putting two different kinds of sandwiches into a lunch pail. This month we are giving you several suggestions for sandwiches.

Using ground, sliced or chopped meats for sandwiches is an old standby. As a change from the lettuce to keep them from being dry, try chopped cabbage or carrot on the meat sandwich.

Try using a soft cheese (such as Chateau or Velveta) instead of butter on sandwiches. Adds a new and different flavor and combines well with almost any filling. Meat and eggs are especially good this way.

Below are listed a number of sandwich fillings which you may or may not have used. Try some of them in your next lunch.

Peanut butter with crisp bacon
Peanut butter with catsup or chili sauce
Peanut butter and chopped olive
Peanut butter with honey
Peanut butter with chopped apple
Baked beans with chili sauce
Chopped dried beef with raw chopped vegetables
Cottage cheese with jelly or apple butter, or marmalade
Cottage cheese with green pepper
Cottage cheese with chopped nuts
Cottage cheese with shredded carrot
Shrimp, salmon or sardine with celery
Flaked fish with green pepper or sweet relish

Hard boiled egg with celery or olives
Baked beans with minced onion and pickle
Red kidney beans with thin slice of sweet onion
Chopped cabbage and shredded carrots
Chopped cabbage and diced apples
Chopped cabbage and chopped nuts
Chopped cabbage and green pepper or pimento
Chopped celery, green pepper and nuts
Ground Cheddar cheese with green pepper
Ground Cheddar cheese with sweet relish
Ground Cheddar cheese with nuts
Raisins with shredded carrots
Chopped raisins, apple and nuts

★ ★ ★



WRONG WAY—AND



RIGHT WAY TO LIFT

So few working people in factories know that simple lifting can be very dangerous and so few people actually know how to lift safely and efficiently. Lifting with the back muscles is dangerous and can easily result in rupture or severe strain of muscles. Lifting with properly braced legs, bent slightly at the knees is a safe, sure and easy way to lift any object. Improper lifting may result in serious injury when lifting even light loads.

Courtesy "The Kawneer Front."