

The Lufkin Line

A Publication of the
LUFKIN FOUNDRY & MACHINE COMPANY
Lufkin, Texas



S P E C I A L A W A R D I S S U E



MILLIONS OF MAN-POWER

MILLIONS of man-power hours by skilled Lufkin mechanics have gone into the manufacture of parts for ships, tanks, guns, and mobile truck trailers. And this good work continues daily on an unbroken "round-the-clock" basis, seven days a week.

Hard work, coupled with Lufkin "Know-How," precision work, and productive ingenuity won for Lufkin men and women the coveted Army-Navy "E" for excellence and high achievement in the production of war materials. The award was presented by high Army-Navy officials June 24, 1943.

The ARMY-NAVY PRODUCTION AWARD is a

salute. It comes from our fighting forces to the soldiers of industry. It is their way of saying, "Well Done!"

The tradition and history back of this award show how great an honor it is. In 1906 the Navy instituted in the Fleet an award for Excellence which has become known as the Navy "E." It first was won in gunnery and later also marked outstanding performance in engineering and communications. Keen has been the competition for it, and the ship that could display the "E" on its funnel, mast or bridge has had the admiration and respect of every man in the Navy. It has never been lightly given nor lightly received.

WAR DEPARTMENT
OFFICE OF THE UNDER SECRETARY
WASHINGTON, D. C.

May 29, 1943

To the Men and Women
of the Lufkin Foundry & Machine Company
Lufkin, Texas

This is to inform you that the Army and Navy
are conferring upon you the Army-Navy Production Award
for high achievement in the production of war materiel.

Your patriotism, as shown by your remarkable
production record, is helping our country along the road
to victory. May I extend to you men and women of the
Lufkin Foundry & Machine Company my congratulations for
accomplishing more than once seemed reasonable or possible.

In conferring this award, the Army and Navy will
give you a flag to fly above your plant and will present
to every individual within it a lapel pin symbolic of
leadership on the production front.

Sincerely yours,

Robert P. Patterson
Robert P. Patterson
Under Secretary of War

HOURS!

The rising tide of war in Europe—climaxed by Pearl Harbor—made it apparent that fast, efficient production of the materials of war was vital to America's very existence. Awarding of the Navy "E" was extended beyond the Service itself—and became the Army-Navy Production Award—to be a fitting tribute to the men and women on the production front who, by outstanding accomplishment, prove that they deserve such an honor.

Like everything worth having, the award which we have received is something we must live up to. The "E" flag which will fly over our plant, and the lapel pins we are entitled to wear, tell the world that we are giving

the best that is in us for the boys at the front. And if, during the next six months we show ourselves worthy of keeping our "E"—by continuing our high record of production—we will receive a service star to add to the flag.

Wherever the Army-Navy Production Banner flies, there American men and women are winning the battle of production.

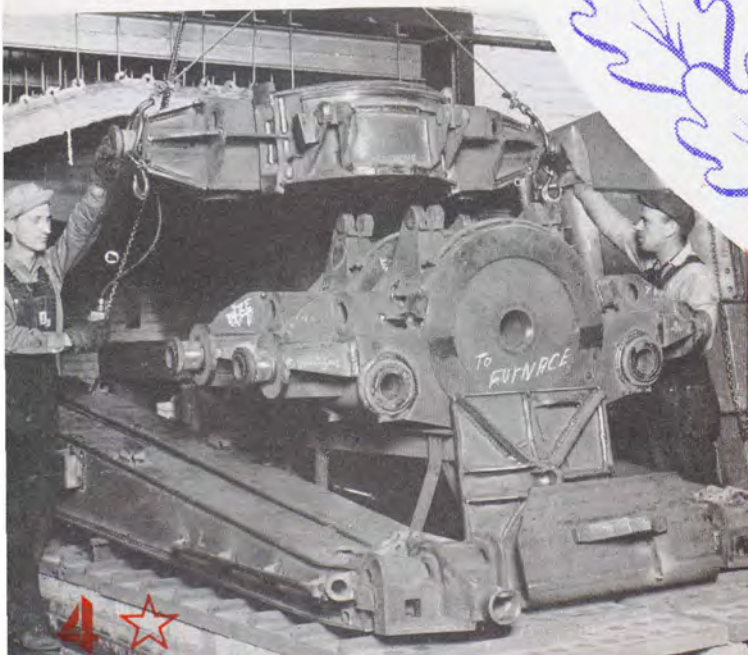
The men and women employees of the Lufkin Foundry & Machine Company are proud of their part in our war effort and in the signal honor bestowed upon them—this recognition by our government.



Our plant has been very aptly referred to as "The gear arsenal of the Southwest."



1000 H. P. reduction gears for ship propulsion program of U. S. Navy.



LUFKIN "KNOW-HOW" IS GETTING

PRESENTATION

Army-Navy

TO THE MEN AND WOMEN OF
June 24,

BAND SELECTIONS.....The 406th Infantry Band
102nd Division, Camp Maxey, Texas

POSTING OF COLORS.....Color Guard
*Company A, 44th Battalion, Texas Defense Guard,
Lufkin, Texas*

SINGING OF AMERICA.....Led by Lufkin Foundry Glee Club

GREETINGS BY MASTER OF CEREMONIES...Hon. George A. Hill
President, Houston Oil Company

FIRST "E" AWARD COMES TO EAST TEXAS..Hubert M. Harrison
*Vice President and General Manager,
East Texas Chamber of Commerce*

PRESENTATION OF THE AWARD.....Col. Merle H. Davis
District Chief, St. Louis Ordnance District

POSTING OF ARMY-NAVY "E" PENNANT.....Color Guard
*Company A, 44th Battalion, Texas Defense Guard,
Lufkin, Texas*

Gun carriage parts—heat treating
and stress relieving operation.

THE JOB DONE IN A BIG WAY!

PROGRAM

Production Award

LUFKIN FOUNDRY & MACHINE COMPANY

1943

ACCEPTANCE OF THE AWARD.....Walter C. Trout
President, Lufkin Foundry & Machine Company

PRESENTATION OF "E" PINS.....Rear Admiral P. W. Foote
USN (Ret.), Inspector of Naval Materials

ACCEPTANCE OF "E" PINS FOR EMPLOYEES...Warden Ragland
Employee Representatives: Jesse Belote, Frank Oberpriller, Warden Ragland, Austin Johnson

SINGING OF STAR SPANGLED BANNER.Led by Lufkin Foundry
Glee Club

Entire Program Broadcast Over Texas Quality Net Work
7:00 to 7:30 P.M., Including Stations

K.P.R.C.
Houston

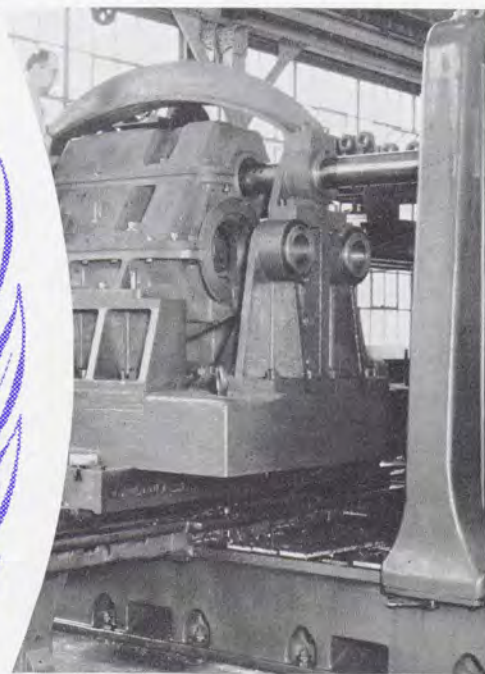
W.O.A.I.
San Antonio

W.B.A.P.
Ft. Worth
and K.R.B.A., Lufkin

W.F.A.A.
Dallas



Carriages for 6½" guns are fabricated completely in our Lufkin plant.



Typical of horizontal boring mills used in gun carriage and ship gear jobs.



Although much of our capacity is completely converted to war goods, we still maintain a large production of oil well pumping units.

George A. Hill, President Houston Oil
Company, Master of Ceremonies.

HIGHLIGHTS

ON THE PROGRAM



HON. GEORGE A. HILL: "The little city of Lufkin is a production front in this war of extermination and a glorious victory has been and is being achieved in this struggle for survival by the men and women workers of the Lufkin Foundry & Machine Company. A grateful nation has paused momentarily in the midst of strife to confer its highest honor and recognition."

HUBERT M. HARRISON: "The unfurling of the Army and Navy 'E' award pennant amid the pine trees of our beloved region is an event of far-reaching significance. . . . It is a recognition of the vision and ability of that ever-youthful business leader, W. C. Trout, and of his partners and staff; an honor to every man and woman employee whose loyalty and skill has been laid upon the altar of their country's service; and it emphasizes the team-work of free labor and free management under a democracy, which would be impossible under the system of our enemies."





Rear Admiral P. W. Foote, USN (Ret.)



Col. Merle H. Davis, Chief, St. Louis Ordnance District.



Hubert M. Harrison, Vice President and General Manager East Texas Chamber of Commerce.



COL. MERLE H. DAVIS: "You may have thought that many firms and war plants have received this Army-Navy 'E.' I should tell you that out of the estimated 80,000 war plants in the United States today, less than two per cent have received the award. The activities of the St. Louis Ordnance District cover the Army Ordnance contracts in private industry over eight and one half large western states. There are over 450 prime contractors on our list, and many hundreds of important subcontractors.

"Of the plants in the country that have received the Army-Navy 'E,' some do work only for a procurement service of the Army. Some are engaged only in Navy work. Some, like this plant, do work of importance for both the Army and Navy. However, every recommendation must meet the final close scrutiny of jointly operating Army and Navy Boards. Also, it is expressly stipulated by the boards that the supply service having the major interest in the war output of a plant must be its final sponsor in obtaining the award, and the donor of the award if granted. *Such is the case in this plant, and the reason for my particular part in this ceremony.*"

REAR ADMIRAL P. W. FOOTE: "It seems to me that these pins have a particular personal significance in that they are so worn by every member of this organization and serve as constant evidence to the public that the personnel of this company has attained a high mark in the performance of duty toward winning the war. In that way, these pins serve very definitely as medals of creditable service on the part of every person who wears one."

W. C. TROUT: "We are proud and happy to accept the award. The management of this company is glad to publicly acknowledge that the loyal conscientious efforts of the men and women of our organization are directly responsible for the accomplishments which led to this generous recognition by the Army and the Navy."

WARDEN RAGLAND: "We shall wear the 'E' pins with a great deal of pride. I know they will serve as a reminder that our standard is now high and that they will prove an incentive to even greater accomplishment in the future."



Lufkin Co. A, 44th Battalion, Texas Defense Guard, presents colors.

Ensign Edith Bell, of the WAVES, stands at attention.

Left: Part of the audience participating in the presentation ceremonies.





W. C. Trout receives the "E" pennant from Col. Merle H. Davis, Chief, St. Louis Ordnance District. "You are 'E' men now!" says Col. Davis.

YOU'RE "E" MEN

Now!

"The management of this company is glad to publicly acknowledge that the loyal, conscientious efforts of the men and women of our organization are directly responsible for the accomplishments which have led to this generous recognition by our Army and Navy. Under this flag we intend to fight the vital battle of production with even greater energy than ever before."—W. C. Trout in receiving the Army-Navy "E" pennant from Col. Merle H. Davis, USA.

The "E" pennant proudly exhibited, reading left to right: Col. Merle H. Davis; W. C. Trout; Capt. George G. McDonald; Warden Ragland; Commander Clark; Rear Admiral P. W. Foote, and, in the background, Mr. R. E. Gardner.





W. C. Trout, President, receives the coveted pin from Col. Davis; Warden Ragland, Employee Representative (37 years continuous service), from Rear Admiral Foote.

The pennant had been awarded—the audience thrilled at the unfurling of this coveted award—then, for the second time, the assembly was literally raised out of their seats when Warden Ragland, veteran of 37 years continuous service, stepped forward to receive the “E” pin in the name of all the men and women employees of the Lufkin Foundry & Machine Company.

“I predict,” said Warden Ragland, in receiving the “E” pin, “that this recognition of our past performance will serve as an inspiration for an ‘all-out’ effort, the like of which was never thought possible. Our whole heart will be in this thing until the job is done.”



Upper photo shows: Speakers stand, Ensign Edith Bell speaking. Lower: 406th Infantry Band, 102nd Division, Camp Maxey; Lufkin Foundry Glee Club, and section of stands holding company employees and guests.



Address by COLONEL MERLE H. DAVIS,
Chief of the St. Louis Ordnance District,
at Presentation of Army-Navy "E" to
Lufkin Foundry & Machine Company,
Lufkin, Texas, June 24, 1943.

"Recognition of Your Record . . . A CHALLENGE FOR THE FUTURE!"

ALTHOUGH I have been called on frequently during the last year to make presentations of the Army-Navy "E," I gave a little special thought last evening to the remarks I should make on this particular occasion. I wondered if there was anything new that I could add to my conventional remarks which might be helpful to you or even inspirational to me. My thinking evolved nothing particularly new. My remarks tonight will be brief because I prefer to say a very few things which you may remember. They will be limited to plain statements of fact about the significance of this award in general and its particular significance tonight.

You may have thought that many firms and war plants have received this Army-Navy "E." I should tell you that out of the estimated 80,000 war plants in the United States today, less than two per cent have received the award. The activities of the St. Louis Ordnance District cover the Army Ordnance contracts in private industry over eight and one half large Western states. There are over 450 prime contractors on our list, and many hundreds of important subcontractors. Our St. Louis office recommends for this award a few facilities that meet not only the stringent basic requirements of the Award Board in Washington, but also have made some outstanding contributions to Ordnance manufacture. Of that long list of contractors of the St. Louis Ordnance District, the Lufkin Foundry & Machine Company is the twenty-fourth to receive the Award primarily as a result

of our recommendations. I tell you these things simply to show that the award of the Army-Navy "E" is no common thing, that the Army and Navy Award Boards in Washington are becoming more and more stringent in their approvals, and that this award today places this company in a most exclusive aristocracy of war production.

Of the plants in the country that have received the Army-Navy "E," some do work only for a procurement service of the Army. Some are engaged only in Navy work. Some, like this plant, do work of importance for both the Army and Navy. However, every recommendation must meet the final close scrutiny of jointly operating Army and Navy boards. Also, it is expressly stipulated by the boards that the supply service having the major interest in the war output of a plant must be its final sponsor in obtaining the award, and the donor of the award if granted. Such is the case in this plant, and the reason for my particular part in this ceremony.

In the years before the war, this plant was surveyed by personnel of the St. Louis Ordnance District. It was then determined that, because of the experience of this company in the production of power-train gears made to stand hard service, and because of its experience in welding, the company should be allocated as a potential manufacturer of large caliber field artillery carriages. That was done. Eventually the emergency developed and Ordnance appropriations increased. Eventually there

came a contract from St. Louis for the corps artillery carriage that you are now making, your first war contract, and one transcending in difficulty any that have come to you since.

As a subcontractor you make many gears—and good gears—for both the Army and the Navy. You do not deserve so much credit for that; for years, gears have been your business. You make many castings for the Navy, but you have had plenty of prior experience as foundrymen. You have made many well-built trailers for Army Ordnance, but again you do only what we expect of you. You have built trailers for years, trailers fully as difficult as those you make today. It was only when you started on this 155 millimeter Howitzer and 4.5 inch gun carriage that you grabbed a bear by the tail.

This carriage which you make was a joint British and American standardization. It was based on a pilot development of the American Ordnance department of ten years ago for our new and improved 155 millimeter Howitzer. The British decided to standardize in principle this carriage and to standardize our 155 millimeter Howitzer and its ammunition for British use. However, they asked at that time that the carriage be adapted for use for either our 155 millimeter Howitzer or the British long range 4.5 inch rifle. They asked further that the American army adopt and standardize their 4.5 rifle and its ammunition. Even the ammunition for the two types of weapons received further joint standardization. For both calibers the British agreed to discard their own artillery fuzes and to take over the American artillery point fuze system.

This was all an interesting joint development, during the "Arsenal of Democracy" days, but before Pearl Harbor. In Washington I was a party to the deliberations which preceded this far-reaching standardization, particularly with reference to the ammunition for the two weapons. I recall it as a fine example of international collaboration, with the British really giving up most in the interest of standardization.

However, when the carriage for these two weapons was put under contract in four American plants, production was not an easy thing. For this item we did not have the advantage of previous extensive arsenal production as a guide for private industry. The great number of drawings had been prepared in haste. You were hardly under way before extensive substitutions to conserve critical materials became the order of the day. Also, it soon became apparent that many changes in design were urgently needed to improve facility in production or to improve performance in the finished product. Working in close partnership with the Ordnance Department, this company has had a major share in these belated but needed improvements. Literally dozens of these changes came about from suggestions of the engineers and production men of this company.

Today we can all feel a sense of joint pride in the fine performance this carriage is giving in the hands of both British and American troops on the field of battle. It is rugged, dependable, flexible in operation, and above all, far more mobile than any corresponding large caliber carriage our enemies have to offer. It can be moved into position almost with the speed of divisional artillery. The men in your shops who make gears or castings or trailers work just as hard as those who work on the gun carriage, and no manufacturer could ask for a more world-wide distribution of his product.

Today we do not have the critical shortage of this carriage that we had a few months ago. Today you are in a state of "controlled production," well within your capacity. We allow you to produce only a limited number of carriages every month, so that precious materials, steel or bronze, can be fed into other channels where critical shortages still exist—either Army or Navy.

In St. Louis, and in our Houston office, we like some other things about this company. We like the honesty and clear thinking of Mr. Trout. We like your personnel policies, which bring men up from the ranks to positions of responsibility in the plant—a thing that augurs well for both the future of the company and for the town of Lufkin. We like it because this company is located in a relatively small Texas town. Many of our contracts for difficult items are not concentrated in urban centers, but are scattered widely among vigorous young plants in small communities. That in itself is a thing of great subjective value to this country of ours.

Last month I was called upon to make this award only once—to a little instrument company in Colorado. This month I have been called upon to make it three times. The first I made a week ago to a tiny machine shop in St. Louis employing less than 40 people, but making a tiny artillery fuze exceptionally well. The other two are being awarded yesterday and today to two companies in the oil field equipment business that have converted far from their normal business, and successfully, in Corsicana and in Lufkin. The picture is a fascinating one, and one that could be duplicated in the metal working industries of no other country.

And now, Mr. Trout, as I ask your company to become number 24 on our roll of honor, I ask all the men and women of this company to continue, week by week, to make your efforts more efficient. I ask that every item released to our inspectors carry the hallmark of quality before it is submitted. This is a recognition of your record and a challenge for the future. I ask you to carry on.

Colonel Merle H. Davis,
Chief of the St. Louis Ordnance District





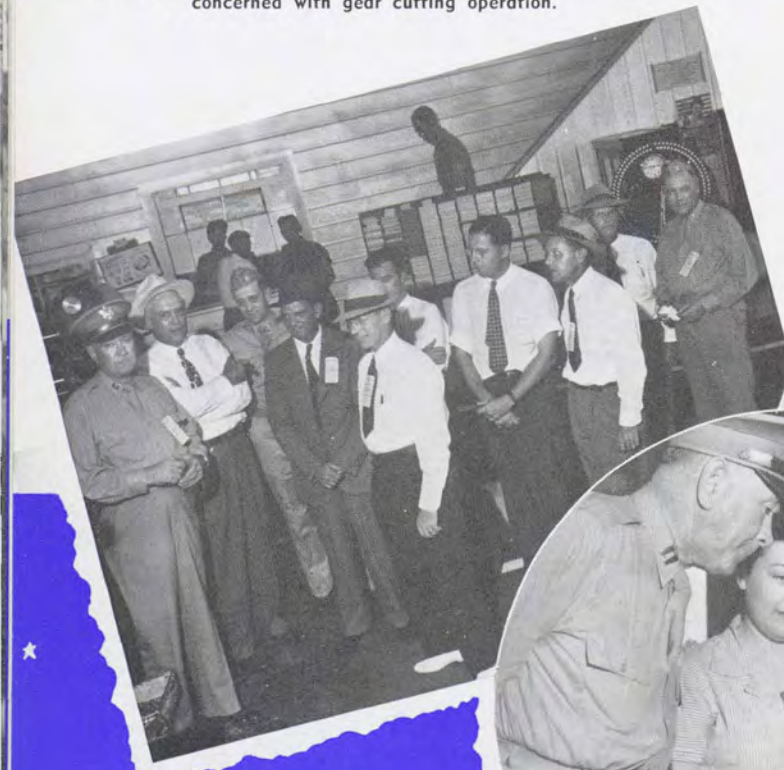
Visitors inspecting exhibit of 4½ and 6½ inch guns



Guests inspecting 6½ inch Howitzer

GUESTS INSPECT THE Lufkin PLANT

Below: Col. Merle Davis, Major W. C. Diedrich, Capt. George G. McDonald and others inspecting various operations. Right: W. C. Trout and Admiral Foote being escorted through photograph laboratory by vivacious Louise Wooten, technician. Oval: Capt. McDonald concerned with gear cutting operation.





Col. Davis and Major W. C. Diedrich are shown the intricacies of gear cutting by the attractive operator, Sadelle Houston.



Admiral Foote, Commander Clark, and W. C. Trout inspect 6½ in. gun carriage.

"OPEN HOUSE" was held for visiting dignitaries and guests as a prelude to the Army-Navy "E" ceremonies which were to be held later in the evening.

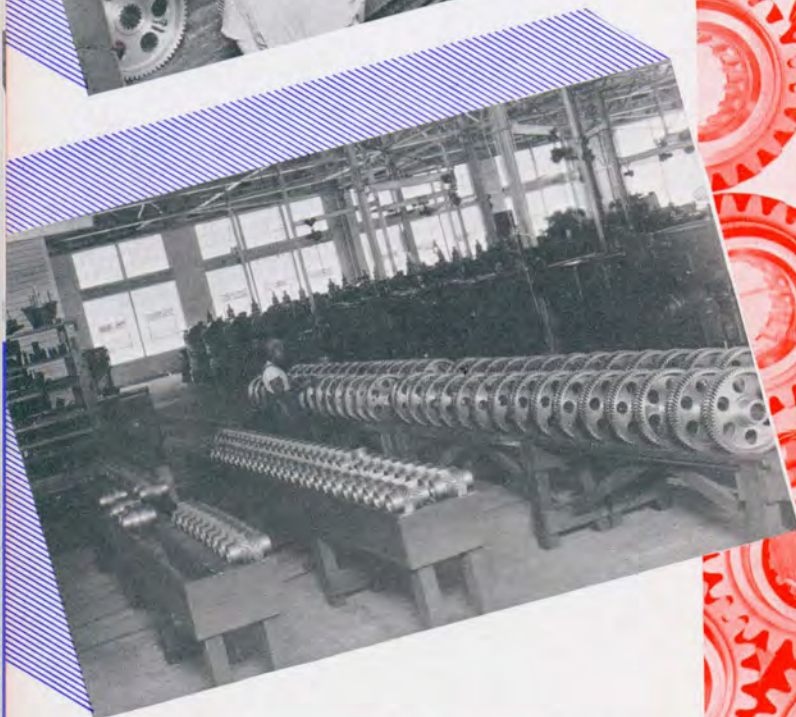
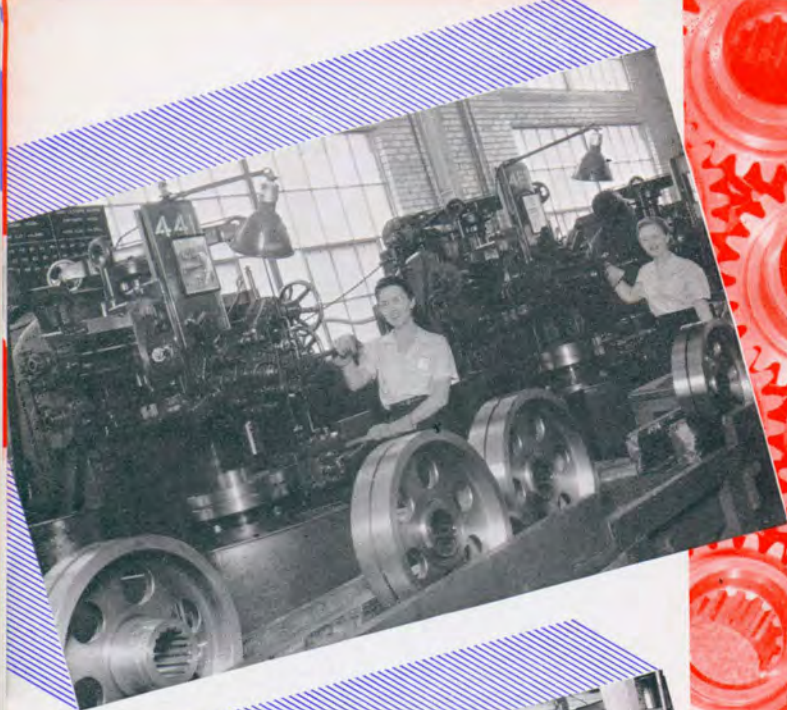
During this so-called "open house" period, visitors were afforded the opportunity to see ship gears, carriages for 4½-inch and 6½-inch guns, gears for the final drive assembly of the General Sherman tanks, mobile laundry trailer units for the armed forces—a rare treat for many who had not had this opportunity before to see the work of the men and women of this East Texas institution—work extremely vital to the war effort.

W. C. Trout, George Hill, Ensign Edith Bell, and the Admiral inspect a General Sherman tank gear.



A Lufkin-produced 6½ inch (155 M.M.) gun carriage being field tested.





Lufkin

"Gear Arsenal of the South"

Because of the enormous productive capacity of its gear plant, Lufkin Foundry & Machine Company has frequently been referred to as the "Gear Arsenal of the South"—This is an apt designation, since there is nothing south that even slightly approaches it. Here the final drive gears for General Sherman tanks are produced as well as ship propulsion gears (to 1000 H.P. capacity), turbo-electric generators, etc.

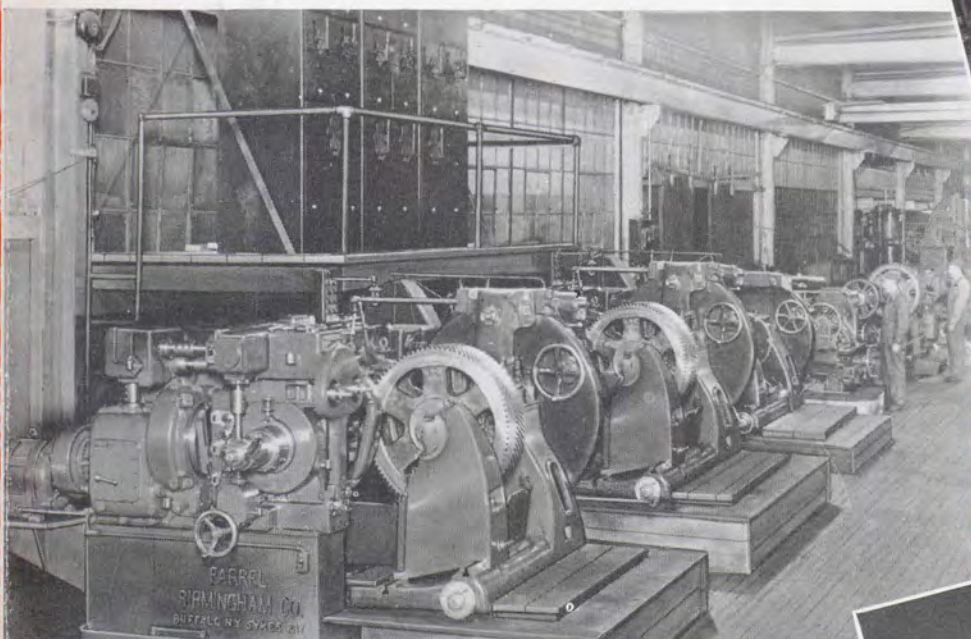
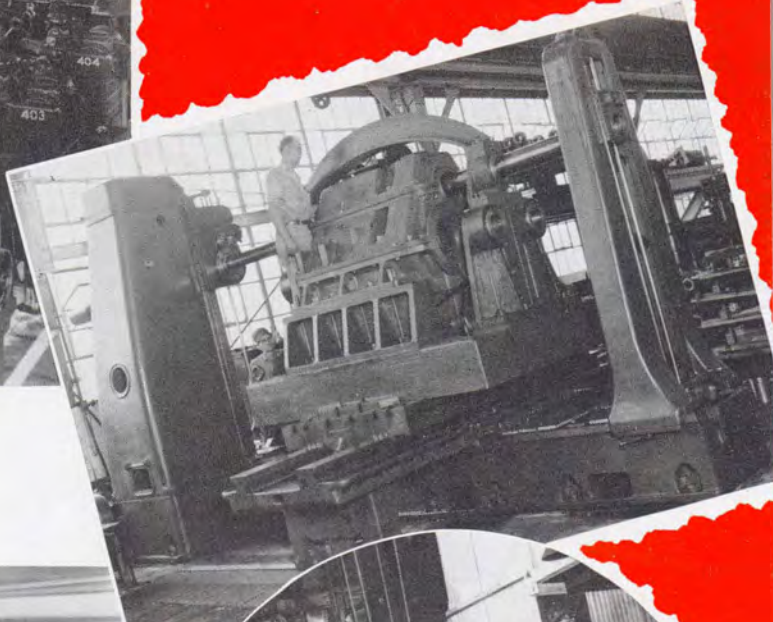
Gear cutting is truly a "Lufkin Natural," for our peacetime job is that of supplying reduction gear units for the world's pumping oil wells—having pioneered, developed, and perfected such applications.

Top: Sisters—Mrs. Ruth Anderson and Mrs. Jimmie Winfrey operate heavy-duty Bullards with the skill and efficiency of "old-time" mechanics. Husbands in armed forces.

Center: Section of gear finishing plant.
Bottom: Gears and pinions ready for shipping.

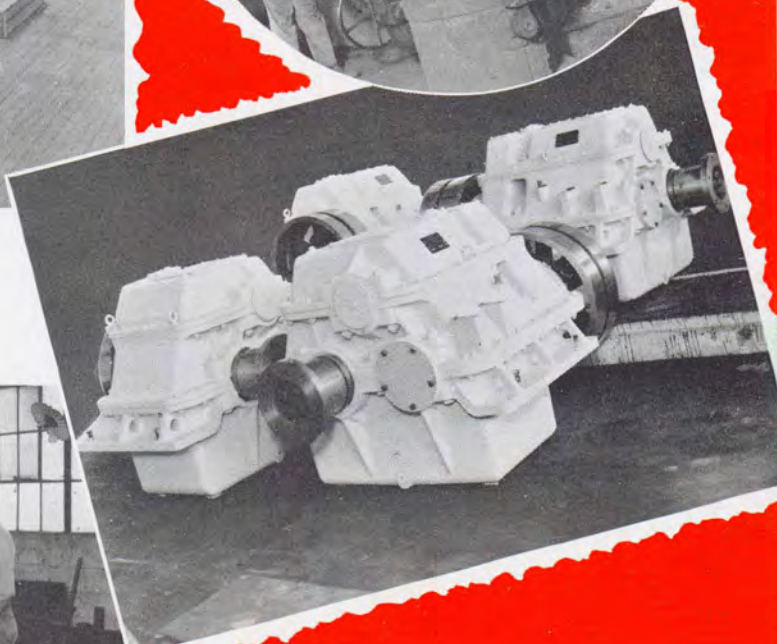
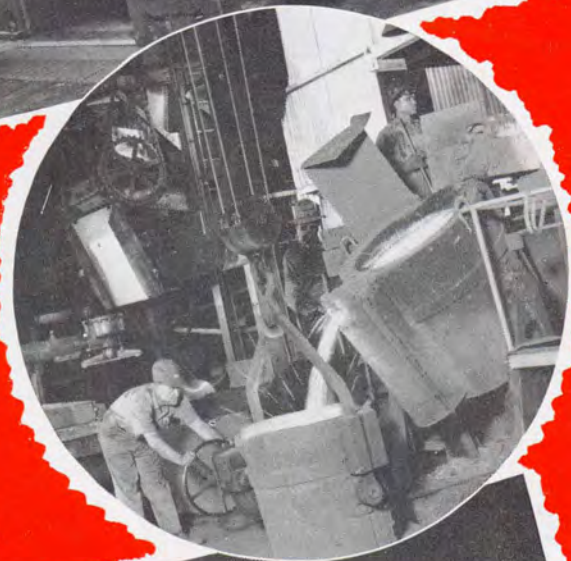


Above: Some idea of Lufkin's gear cutting facilities



Above: Line of Sykes Herringbone gear cutters in main plant

Below: Assembly line, Lufkin pumping units for oil well service



Top right: One of a battery of giant boring mills
Oval: Pouring a heat, Lufkin's gray iron foundry
Lower right: 1000 H.P. ship propulsion gear boxes



Production Control Department. Robert Earl (Mutt) Barr, in charge, left; T. B. Winston, right. Every production operation is scheduled and work progress checked through this department.

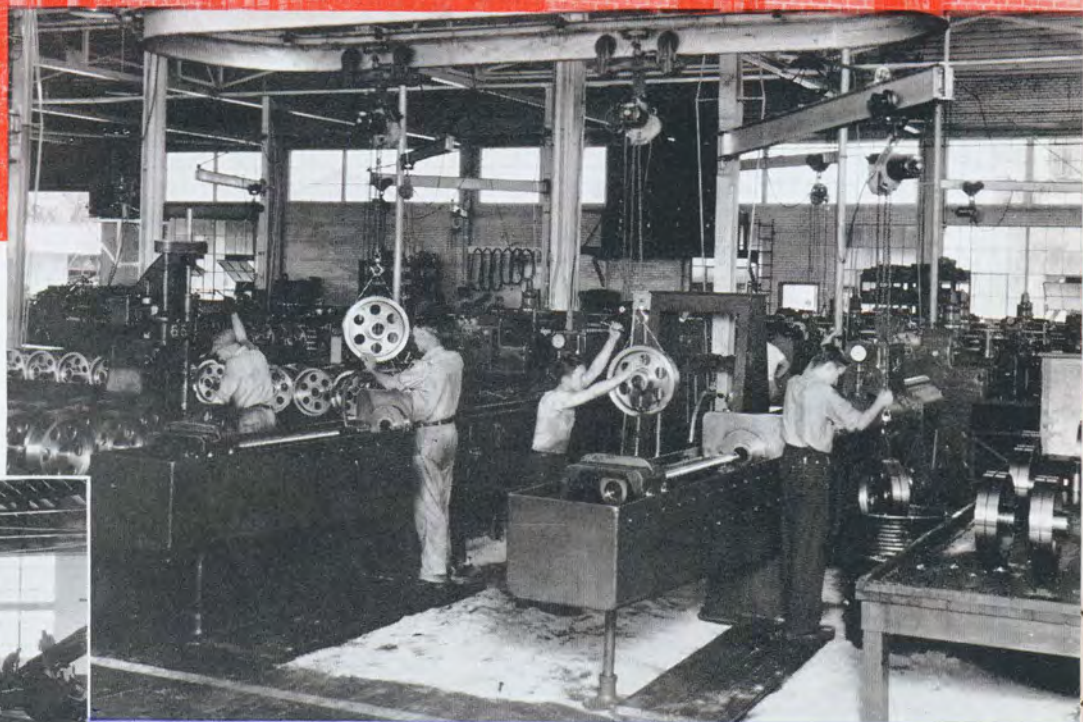
LUFKIN FOLKS AT

Work...

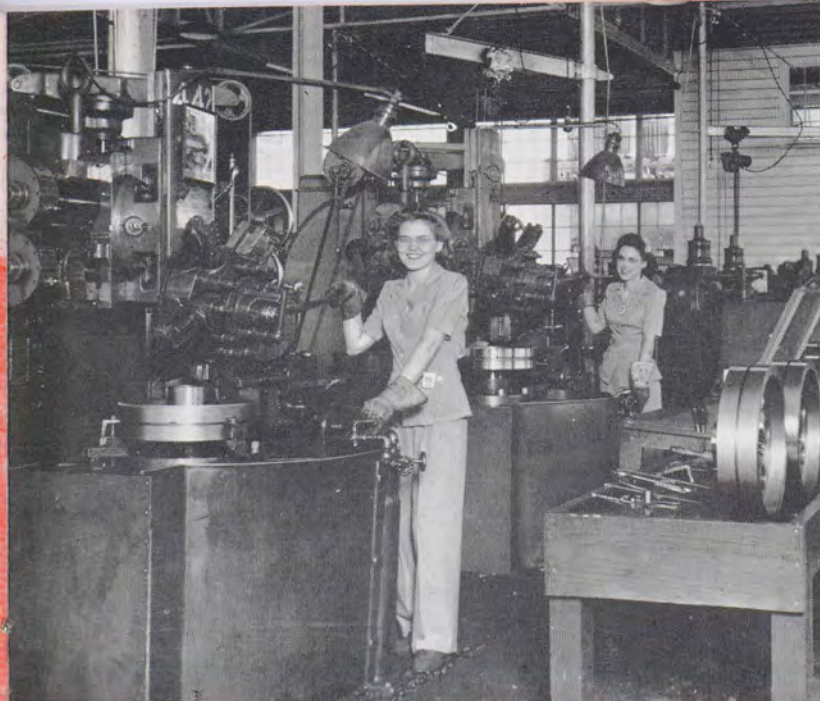
Right: Broaching tank gears. This operation is performed with hydraulic rams under very high operating pressures.

Middle: Section of gun carriage assembly plant

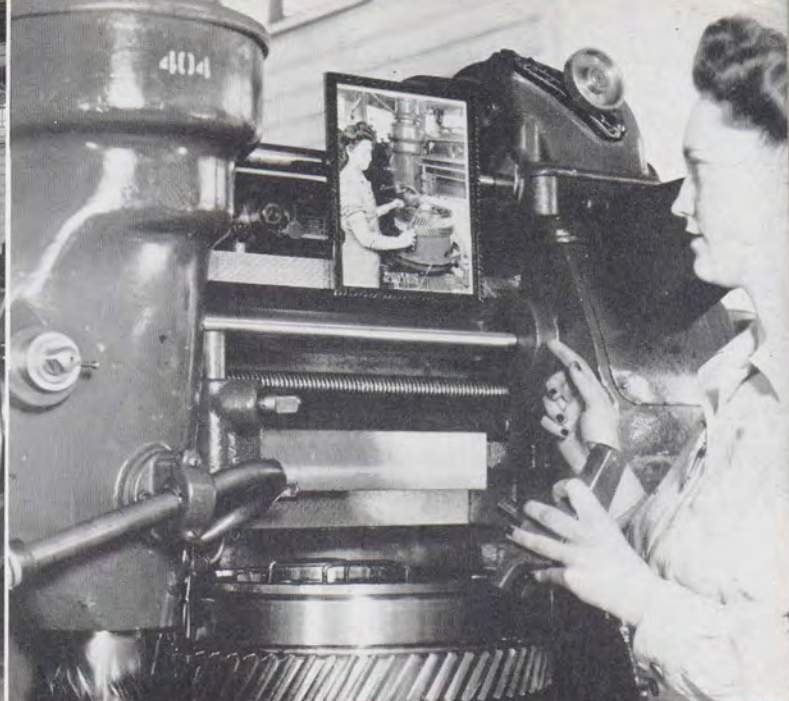
Bottom: Charm in the welding plant is "turned on" by vivacious Margaret Osborne.



IN COMMON with many another plant, Lufkin discovered women workers—machine operators, welders, etc., shortly after war was declared. A considerable number are now employed. We've found them capable, efficient and eager to do "their bit." Our women workers are all native born, locally reared and educated, and in our opinion far above the average woman employee. This is true of our men, too. Most of them are happy home owners. The kind who have contributed so much to the greatness of America.



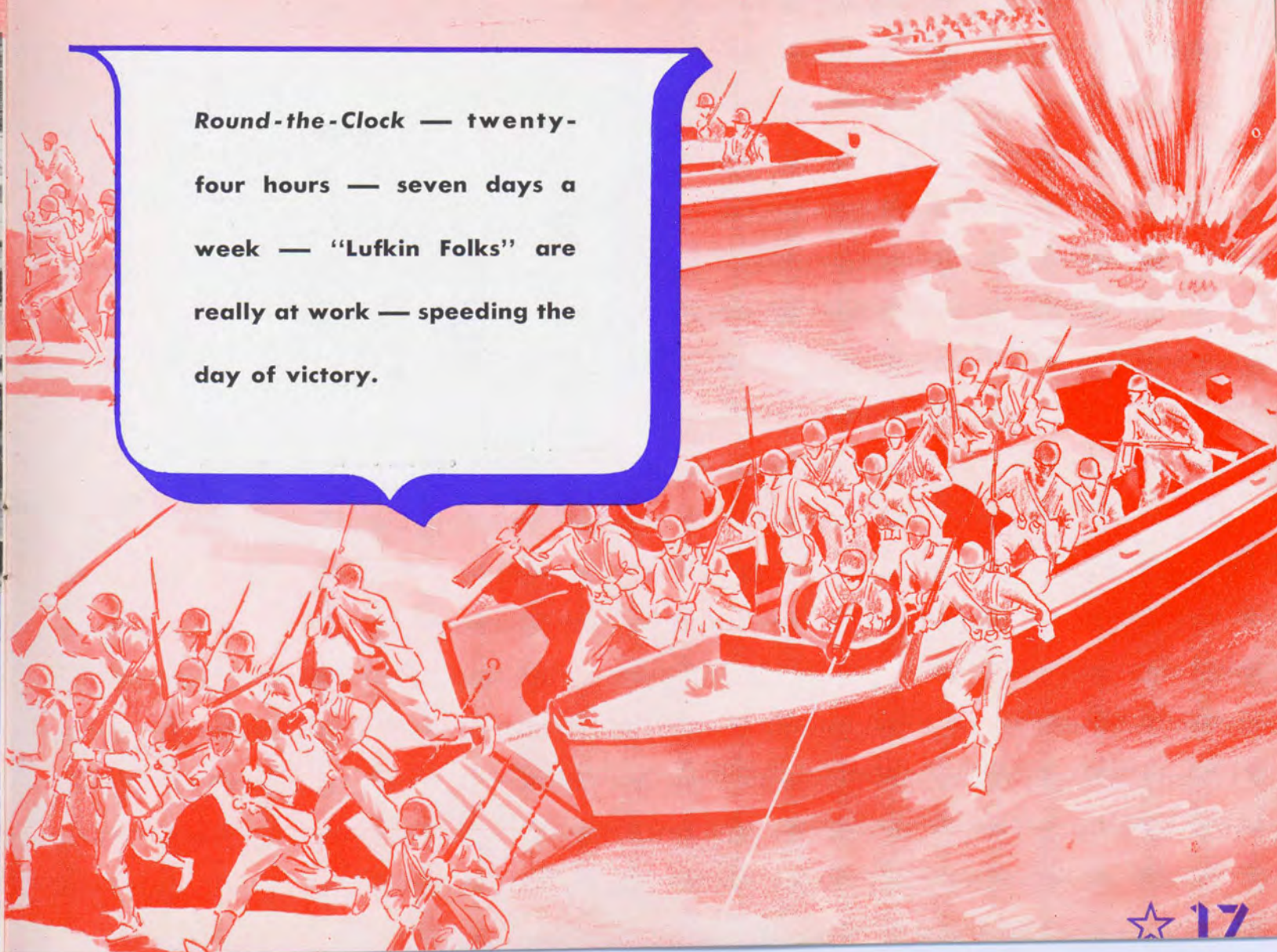
Twins operate Bullards. Pretty La Vana Miner and La Verne Trinkle operate these large Bullard boring mills with the dexterity of seasoned mechanics.



Photographic illustrations of operating "Checks" act as guides before machine operators. Such aids have proven invaluable in employee training.

... to speed the day of victory

Round-the-Clock — twenty-four hours — seven days a week — "Lufkin Folks" are really at work — speeding the day of victory.





Lufkin's laboratory is under the capable supervision of veteran E. R. Starkweather and assistant, Sara Snyder.

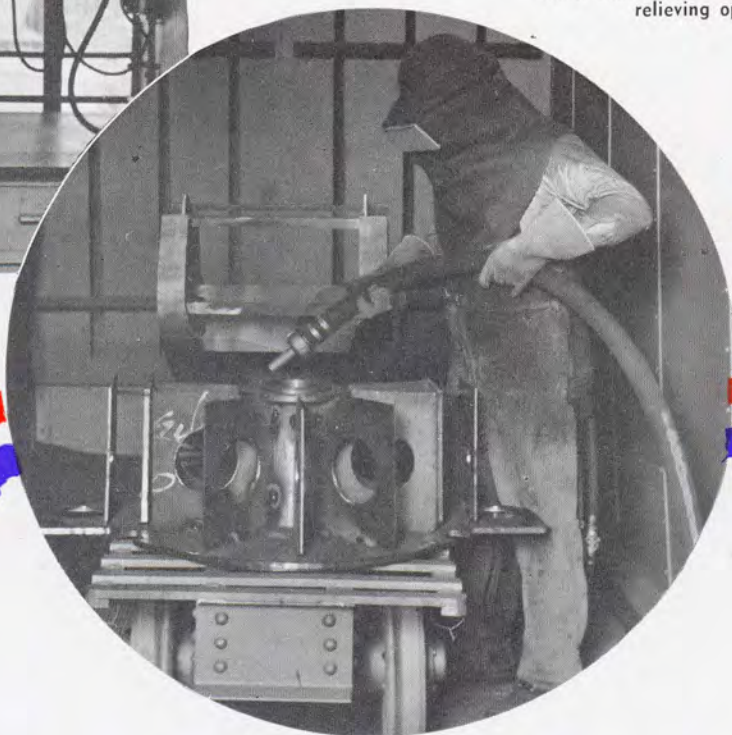


Jigs and fixtures guarantee each part to be interchangeable. The lady welder is really an expert in the gun carriage plant.



LUFKIN'S Metallurgical department, embodying chemical, physical and microscopic laboratories, has contributed no end to the maintenance of high standards demanded in the production of the Army-Navy equipment. In addition to having a constant check on our own product, a check is likewise made of all products entering our plant from the outside. This modern Metallurgical department is typical of the progressive spirit of the Lufkin Foundry & Machine Company.

Sand blasting. A cleaning and stress relieving operation.



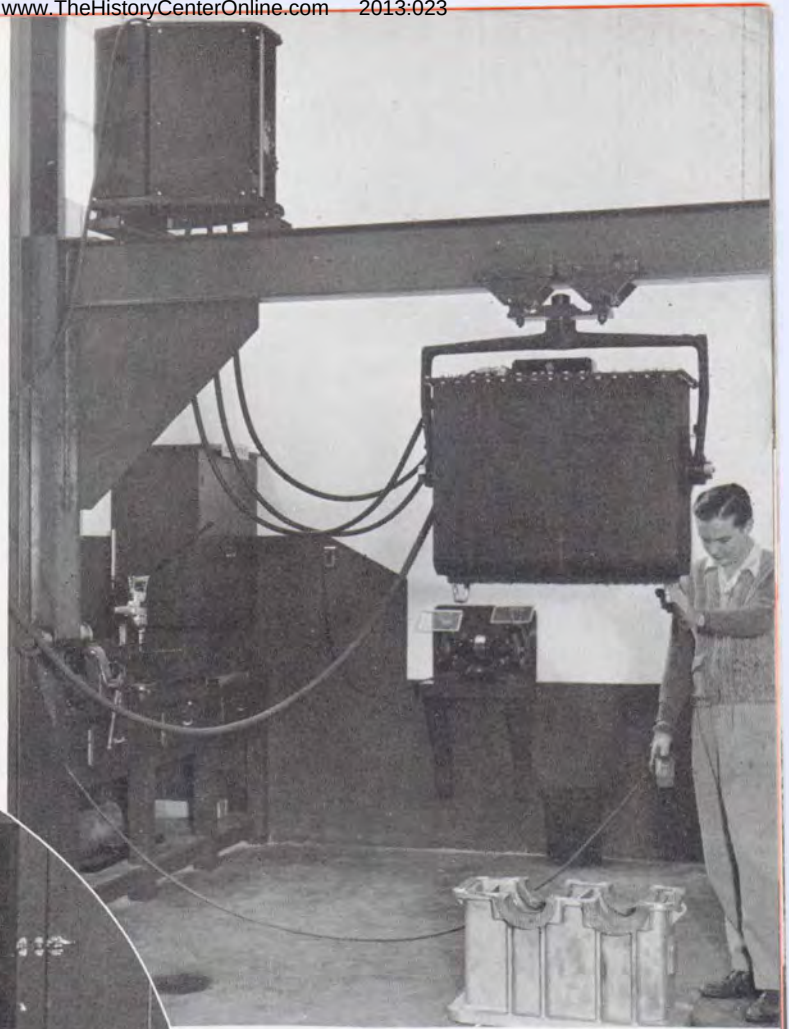
Foreman's training classes are operated under the supervision of A. & M. College. These training classes have proven their worth in these days of expansion and manpower problems.



INDUSTRIAL Radiography photographs the inside of the metals. The invisible defects, detectable by X-ray are the internal stresses and strains that usually occur when the casting is poured or during the cooling period. To cope with this uncertainty, castings are stress-relieved by means of temperature curing in a stress relieving furnace and then X-rayed where absolute flawlessness is important.

Lufkin's stress relieving facilities and ultra modern Radiography equipment place this institution in a position held by few in the entire southwest.

Millie Young, efficient and attractive X-ray technician.

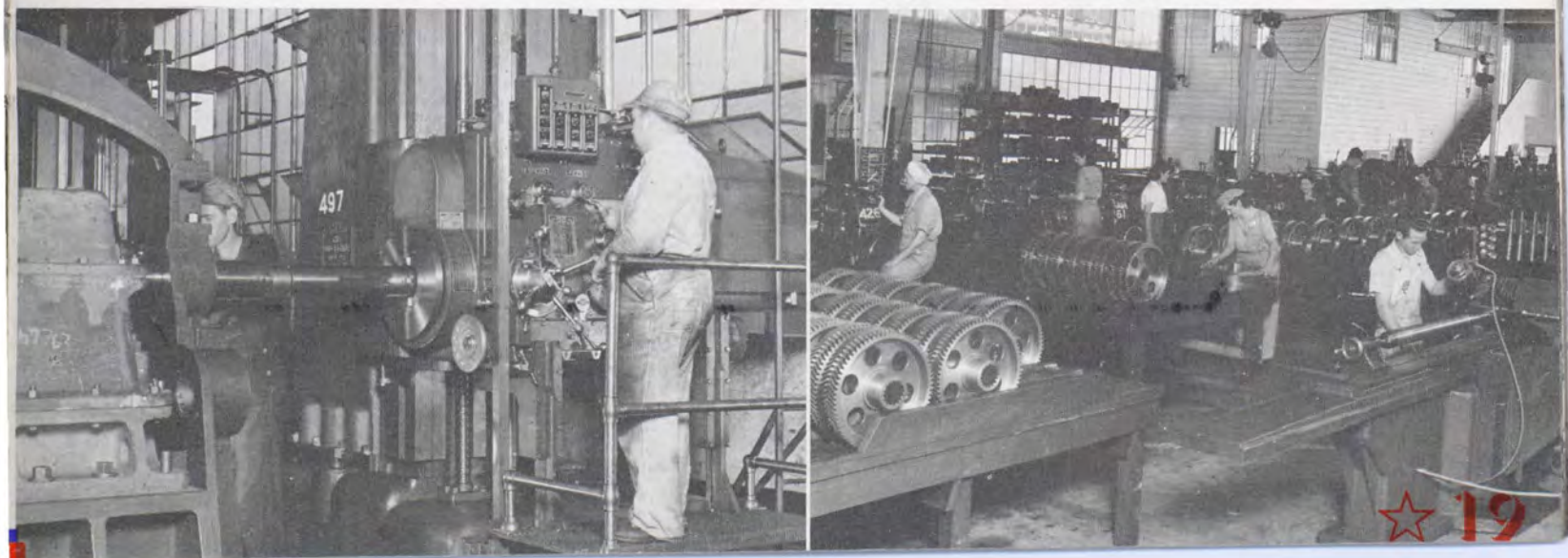


Industrial Radiography X-rays are made of most castings and parts for the Army and Navy. Many defects, not otherwise discernible from the surface are detected when X-rayed.

The operating end of a large Dayton horizontal boring mill



Final inspection of General Sherman tank gears.



Right: H. R. Lewis, Machinist,
21 years service.

Below: Sam H. Kerr, Jr., Pattern
Maker, 29 years; C. R. Green,
Moulder, 34 years.

Lower center: Foundrymen—
right to left: E. E. Ashley, 25
years; Grady Wasson, 27 years;
Oscar McKinney, 29 years.

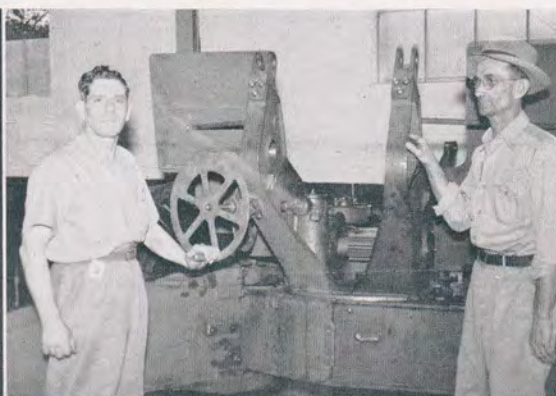
Old Timers

“OLD TIMERS” they are called affectionately. By this is meant “Old Timers” in point of service, for the Lufkin Foundry & Machine Company is really and truly proud of its men—and women, too—who have given so much of their life to its service. It is not an uncommon thing to find continuous service records of twenty-five to thirty years. Service with this company has been a “career” indeed for many employees. And the fine part of it all is that, in the majority of cases, they represent native (Angelina County) born, reared and educated folks. Many employees own homes on the edge of town with gardens and poultry and live-stock—where the foundation for real Americanism is laid in an atmosphere of contentment. Truly the service record of these employees is a tribute indeed to men and management alike.

R. H. Stokes, 15 years

Alex Andrews (left), 20 years; Lee Dyer, 16 years

John Nixon, 24 years





Top left, left to right (Numerals indicate years of service): Oscar McKinney, 29; E. E. Ashley, 25; Grady Wasson, 27; Dutch Oberpriller, 29; J. N. Hill, 21; A. H. Lewis, 21; Lyle Peden, 24.

Top right: Robert Burns, 18; Bennie Goodwin, 29; Elisha Reese, 17; Tom Morrison, 25; Earl Tanner, 24; W. S. Myers, 20; Austin Johnson, 29.

Lower, left to right: P. B. Largent, 14; I. M. Bullock, 21; F. W. Gneisig, 29; C. B. Ragland, 16; G. L. Minton, 23; C. B. Green, 34.



Left: J. N. Hill, 21 years; right: Jess Belote, 28 years.



Left to right: Mrs. Clyde Duty, 27 years; E. E. Hess, 17 years; Lee Deggs, 21 years; Sam Wallace, 24 years; Ben Baxter, 27 years.

Sam H. Kerr, Jr., 29 years

Warden Ragland, 27 years

Left: Charles McLane, 23 years
Right: M. M. Fontenot, 14 years





Left: W. D. Winston, Jr., Secretary
Right: M. L. Wilkinson, Auditor



Right: Bayo Hopper, Chief Engineer
Left: Louis Fincher, Asst. C. E.



E. H. Bounds, Asst. Mgr.



W. C. TROUT, President and General Manager since 1905 and affectionately referred to as the "spark-plug" of the Lufkin Foundry.

Top, Accounting Department, left to right: W. B. Bermingham, Marguerite Jordan, J. L. Snyder, H. L. Dyer, C. M. Wooten, H. Ann Faircloth, C. R. Willmon, T. V. Martin, Berniece Hicks.

Center, Order Department: G. L. Vickrey, Mgr. (left); F. Bieroth, Assistant.

LUFKIN "KEY" MEN ARE ALL "OLD-TIMERS": All Lufkin Foundry department heads and executives are men that have been with the company for a period of twenty to thirty years. In practically all cases these men have "grown-up" with the business, working through many departments and gaining an all around experience that has proven invaluable during these expansion days and long hours demanded of contractors of Army-Navy materials. Loyalty between men and management has provided the confidence and made possible the uninterrupted production of goods that have undoubtedly made a great contribution to our war effort. This was unquestionably a factor in the award of the Army-Navy "E."



Left, Popular Secretaries, left to right: Winnie Berry, Luda Belle Walker, Bonnie Scott.



Below, left to right: E. B. Parrish, J. M. Askins, R. M. Rosser, Charley Gault, Leslie Tatum, Mrs. Emma Laura Douglas.





Al. E. Cudlipp, Vice President



Robert Lang, Foundry Supt., E. P. Trout, Asst. to President



R. E. Schuller, Plant Superintendent



Left, Staff Meeting, Left to Right: W. W. Trout, Vice President; Al. Cudlipp, Vice President; Bayo Hopper, Chief Engineer; R. E. Schuller, Plant Supt.; W. D. Winston, Jr., Secretary; W. C. Trout, President; E. H. Bounds, Asst. Mgr.; E. P. Trout, Asst. to the President.

Center Group, Left: Guy Croom, Shop Foreman; Elbert Butler, Assistant. Right, Truck-Trailer Div.: Gordon Langston, Jr., Mrs. Janet Durez, Richard Ostland, C. E. Hicks. Below: M. M. Fontenot, Gun Carriage Foreman.

Below, Attractive Trio: Dorothy Starkweather, Azelle Yeats, Hazel Faircloth.



Bottom Row, Left, Navy Engineering Dept.: Taylor Hood, Edison Wayland, L. A. Little, A. E. Carroway. Middle: Bill Myers being interviewed by Personnel Director Howard Trout. Right, Material Control Department (Gun Carriage): Maureen Spears, Gus Winn and R. J. Schuller.



Company and Government

INSPECTIONS



Inspectors, Navy Work—R. H. White and Elwin Read.



Left: Chief Inspector "Bobo" Hayes and Navy Specialist, L. A. (Pete) Little.

Gun Carriage Inspectors, A. R. Darkenwald and Al. Kendle.



Left: Gun Carriage Inspectors, Newell Lynch and Charles Dyer.

Bottom: Alex Andrews; L. C. Hermann, Resident Army Ordnance Inspector, and Fred Stifler.

CONTROL—PERFECTION—the Army-Navy watchword is constantly before all workmen at all times. All government materials must have the "O.K." of Army-Navy inspectors. A full staff is maintained in addition to our own staff of men trained to catch the slightest imperfections.

Truck-Trailer Inspectors, A. P. Knight and Earl McClendon





Plant

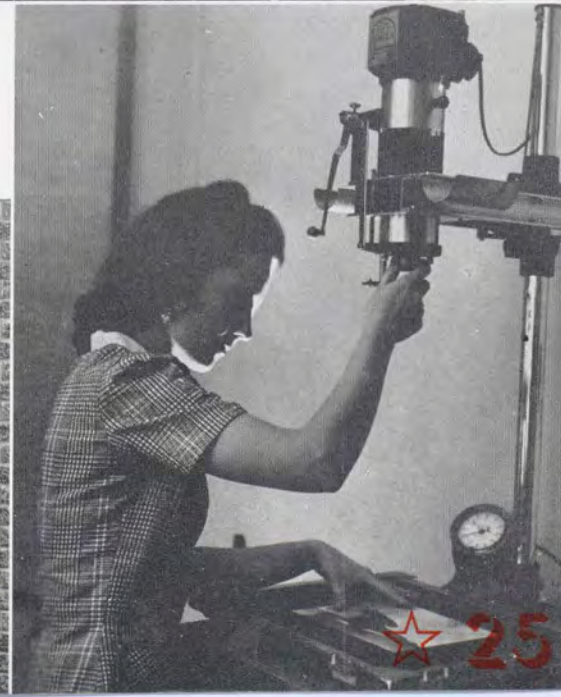
PROTECTION

Homer York fingerprints employee Dan Martin. Below, center: Staff Photographer R. M. Rosser photographs Blanche Martin for identification button which all employees are required to wear. Bottom: Technician Louise Wooten doing enlargement operation in photograph laboratory.

PLANT PROTECTION not only requires trained guards on a twenty-four hour shift, but in addition each employee is photographed, finger-printed and a general historical record compiled. This is a governmental requirement. Each fingerprint is filed with the FBI and the plant is generally under a plant protective bureau of the Federal government. Guards are formally known as auxiliary military police, take the oath of allegiance to the United States and are subject to the articles of war and to court martial and receive one hour's training a week from either commissioned or non-commissioned officers of the Army's plant guard detail stationed in this area. This course includes complete instructions in the use of weapons and actual range fire, also instructions in military courtesy.



A complete uniformed corps of guards is required in each plant manufacturing implements of war. Our guards are local men trained in their duties by officers of the 8th Corps area. Reading left to right: I. S. Hayes, T. F. Selman, Pete Johnson, B. D. Heane, Sgt. Bockly of the 8th Corps area office; J. F. Nick, T. M. Garnett, E. O. Stanley and Capt. of Guards, Arch Caraway.





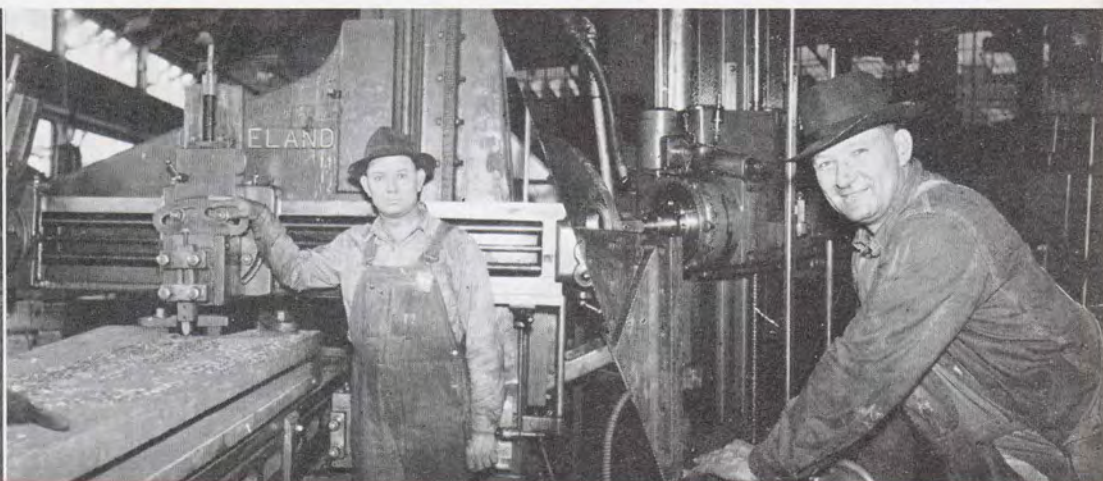
A "new deal" for fathers. When D. K. (Slim) Womack, foreman of the gear plant became a father the women workers decided to throw a shower for this new papa. This is the first recorded event of its kind but "Slim" is taking it in stride.

Below: Miss Marvell Dixon, only girl in a family of seven. Marvell has five brothers in the armed forces, one in Texas Defense Guard and employee of Lufkin Foundry. Surely this Dixon family is doing its "bit."



The tall, the small, and the large—three distinct Lufkin Foundry types. Left to right: Kenneth Mott, Lloyd D. Cormack, Arthur Stevens.

Below: Ordained Ministers—Foundry machinists of long standing. Left: W. M. Forsythe, 22 years; W. E. Forsythe, 21 years. (Combined years—43.)



I NTERESTING PEOPLE — Lufkin Foundry has its share. A few are shown here. War and the employment of women have brought interesting situations—and a few romances. Many war-widows are among the

top-notch employees. But above all, Lufkin Foundry employees are happy people, living wholesome family lives amid the quiet and peace of East Texas.

Romance on the night welding shift. Mr. and Mrs. O. J. Blaylock were each enjoying single blessedness until they were put on the same welding job. Here their romance had its beginning, culminating in wedding bells. They are still on the job and happy in their work and in married life particularly.

One-legged welder. L. C. James, local Lufkin boy, despite the loss of his right leg, took his basic training as a welder at the workshop of the N.Y.A. and was immediately employed as welder. "L. C." is a highly efficient workman.

Many Lufkin Foundry employees are ardent fishermen. These two samples (weight 3½ and 5 pounds) were part of a catch by Ed. Nagel (left), Manhattan Rubber representative and E. E. Turner, Mill Supply Division salesman.





E. O. Stanley, Foundry guard and farmer extraordinary in spare time.

LUFKIN FOLKS GARDEN FOR

Victory

LUFKIN FOLKS *will never starve!* When the call went out for the establishment and cultivation of "Victory gardens" Lufkin Foundry employees answered with shovel and hoe and soon the whole community was "blossoming like a rose." Chickens, too, were raised in astronomical number and stored in frozen food lockers against the day of meat shortage.

Cooperating with employees, the company set aside and prepared ten acres of their property under fence, properly marking each plot. Some of the results of that effort are shown here. A great deal was accomplished through Victory gardens. Lufkin Foundry employee gardens made a real contribution to the conservation of food.



Upper right: Mr. and Mrs. Robert Green and view of employees' victory garden. Middle: Mr. and Mrs. C. E. Hicks who really gathered a crop. Lower left: Mr. and Mrs. Josh Duncan and their crop of Irish potatoes. Lower right: C. B. Ragland, chicken specialist.



Working today for a lasting Victory...

When war was declared Lufkin retired from peace-time pursuits to give all its time and energy to the production of equipment for our armed forces. Lufkin equipment, in increasing number, has rolled out of this plant to do its part.

TANK GEARS

Lufkin has very aptly been called the "gear arsenal" of the Southwest. For right here in our plant has been "turned out" in super-production fashion the final drive assembly gears for a great part of our Army's M-4 tanks. These deadly bull-dogs of the battlefield are a far cry from those of the last war. Lufkin is proud to have had a part in this new "death-dealer" of modern warfare.

SHIP GEARS

Our Navy is making history — history that our enemy won't forget soon. And ship gears — big, husky 1000 H.P. jobs, as well as lighter generator gears, are made right here in Lufkin.

TRUCK-TRAILERS

Mobile Laundry Units that travel with the Army — "Shower Baths" on wheels (sometimes referred to as "delousers") to keep our Army fresh and clean. We have also manufactured what the Army terms "Low-Boys" for transporting heavy equipment — often tanks.

GUNS

Heavy guns get the job done as has been demonstrated. One of our first undertakings was the production of 155 MM and 4.5" gun carriages. Steadily and on time these carriages have poured down the production line and are still leaving in a steady stream. Here again Lufkin "know-how" was used to full advantage. These guns are helping our side in a decisive battle.

... and when peace returns again

When the peace of this world war is made and our facilities are again released for the resumption of normal pursuits, Lufkin will again take its place of leadership in the production of oil field pumping equipment. . . . As pioneers and developers of the application of reduction gears to oil well pumping, Lufkin expects to apply new methods and new materials in the production of a finer and more efficient unit in the days that are ahead.

LUFKIN

PUMPING UNITS

