

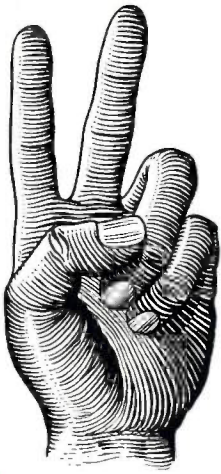
MUELLER RECORD

PUBLISHED AT DECATUR, ILLINOIS



VICTORY FORECAST—BOND SHOWERS LIKE THIS
WILL SAVE THE FOUR FREEDOMS

MARCH, 1943



REAL ECONOMY DEPENDS UPON 2 THINGS

—better value for your money and long service without frequent trouble . . . The MUELLER line of water works goods is that kind. Our 86 years in the same business has given us a real knowledge of what you water works men need—of how to meet those needs with practical goods that last as long as the main itself and with very little upkeep cost. Correct design, accurate machining, and better metal formulae all contribute to greater efficiency and lower costs for your water department . . . Next time order from MUELLER.

You will be well satisfied with the MUELLER Lead Flange Gooseneck, for the PATENTED knurled faces on the connections permanently grip the lead pipe ends, making a joint that doesn't leak, and at the same time saves vital tin required in other types. Quickly installed, economical, and needs little or no attention.

Here is one of our most popular curb stops. Has an inverted key and its steeper taper assures that it will seat tightly yet open and close easily. Every stop individually tested. Thousands of superintendents cut costs with it.

H-10150
GOOSENECK



H-10201
CURB STOP

Buy War
BONDS

MUELLER CO.
DECATUR, ILLINOIS

Give Your
SCRAP

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EACH WAR BRINGS SONGS

But Star Spangled Still Heads List With Congressional Approval

There are many anthems and inspirational songs of patriotism. Of course the "Star Spangled Banner" leads the list and as every one must know it was written by Francis Scott Key. His inspiration came when on a British vessel where he had gone to visit a friend. The British war vessels in the meantime had opened the bombardment of Fort Henry near Baltimore. This was in 1814. It was this which detained Key and naturally he was in a stew as to the outcome of the bombardment, all of which the lines of the song indicate.

Congress Gives Endorsement

The song gained immediate popularity and became and remains our national anthem. It is the only patriotic song which has received the endorsement of congress as a national anthem. In spite of its age, the stamp of congressional approval and the reverence and homage paid it by all true Americans, we have no recollection of any non-professional who is letter perfect and sings the inspiring anthem without error. Most of us just mumble through it. Since Key's day much beautiful patriotic music has been written, the words and tunes of which are known and remembered. Among these are:

America (My Country 'Tis of Thee) is set to the tune of "God Save the King." It was composed by Rev. Samuel Francis Smith and was set to the tune referred to by Henry Carey. My Country 'Tis of Thee was first sung in Park Street Church, Boston, July 4th, 1832.

Other songs are:

Tramp, Tramp, Tramp, the Boys are Marching, Columbia, the Gem of the Ocean, Battle Hymn of the Republic, Battle Cry of

(Continued on page 2)

★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★

★ HYMN OF HATRED ★

★ *All these I hate—war and its panoply,* ★
 ★ *The lie that hides its ghastly mockery,* ★
 ★ *That makes its glories out of women's* ★
 ★ *tears,* ★
 ★ *The toil of peasants through the burdened* ★
 ★ *years,* ★
 ★ *The legacy of long disease that prays,* ★
 ★ *On bone and body in the after-days.* ★
 ★ *God's curses pour,* ★
 ★ *Until it shrivels with its votaries* ★
 ★ *And die away in its own fiery seas,* ★
 ★ *That never more* ★
 ★ *Its dreadful call of murder may be heard;* ★
 ★ *A thing accursed in every deed and word* ★
 ★ *From blood-drenched shore to shore.* ★

★ —JOSEPH DANA MILLER ★

★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★

"IF" AND "MAY"

● A correspondent of a metropolitan paper tells us "that peace may come rather quickly, or it may come slowly." Yes, and it may not come at all. Then again it may come when we are not looking for it. Also Hitler may apologize for his devilish murdering instincts. And so we might go on ad infinitum, world without end. Touchstone in "As You Like It" shows us how a quarrel is seven times removed by the use of "If" and ends with this sage remark "Your If is the only peacemaker. Much virtue in If." We sometimes wonder why Shakespeare did not make his play on "may" instead of "if." They are in the same class. In the present day of guessing war results the writers use may as a back door exit from a subject which is left entirely to conjecture or if you will to guessing.

— VICTORY —

Smooth speech is like honeyed poison.

THE MUELLER RECORD

Published at Decatur, Illinois, by MUELLER CO.,
Manufacturers of Vital Spots Products for the Plumb-
ing, Water and Gas Industries.

C. N. WAGENSELLER, Editor

(Continued from page 1)

Freedom, God Bless America and many more.

Each War Brings Songs

The Mexican war, Civil war, and Spanish-American war called forth music and songs of the period. The Civil war was especially prolific in this particular, not only of a martial character, but folk lore songs relating to the conflict, such as "Nellie Gray," and also many negro melodies.

The outstanding song of the first World War seems to have been "Over There," written by George M. Cohan, author, song writer and actor.

State Songs

In addition to National airs there are many state songs which will live forever. In this class we find "Maryland, My Maryland" and our own beautiful "Illinois, Illinois."

War seems to stir the song writers to action and when they strike popular fancy, the songs become the outlet for patriotic fervor, a consolation and an uplift of loyalty. They stir us to greater enthusiasm and a fighting spirit that nothing else does.

Light and Frivolous

The early war songs were of a light and frivolous character in both music and words compared to the more serious, solemn and depth of meaning of those of a later day. We have in mind such as "Yankee Doodle" and despite its 168 years of service is still frequently sung. We inherited this song from an Englishman. It was written by a Dr. Schuckburg, a surgeon in the army of Lord Amherst, during the French and Indian wars 1753-1763. The song was first printed in Arnold's opera "Two to One," 1784:

The Opening Verse

"Father and I went down to camp,
Along with Captain Goodwin,
And there we saw the men and boys,
As thick as hasty puddin."

In all there are ten verses and the chorus, all very much of the same sentiment expressed in the first verse and chorus which follows.

"Yankee Doodle keep it up,
Yankee Doodle Dandy,
Mind the music and the step
And with the girls be handy."

This song retained its popularity for more than a half century and it is not yet worn out, but perhaps a little thread bare.

COOKING WOES TO END

Scientists Promise Wonderful Things of Thermal Radio

To those patient and weary housewives we bring a message of glad tidings and great joy. Emancipation from kitchen drudgery and hot stoves is in the offing. The Armour Research Foundation affiliated with the Illinois Institute of Technology promise a solution. These scientific research organizations are predicting the way out. They give us a glimpse of what will follow when the war is over. They call it Thermal radio. Under its benign advantages meals may be cooked at the dining room table instead of the gas or electric range in the kitchen. All the lady of the house will be called upon to do is to touch a button just as she does on the radio when desirous of getting her favorite selection. Doctor Harold Vagtborg, director of the Foundation, gives the Chicago Tribune a trifle of advance information. "After the war," he says, "we will have radio cookers? While you have your soup the turkey will be roasting before your eyes on the table in a sort of glass chafing dish powered by radio. No long hours of cooking will be required. The radio waves in the form of induced heating will reach all parts of the bird simultaneously. You will not have to add another fifteen minutes for each added pound. If it takes an hour to cook a small portion of ham it will take no longer to cook a whole ham."

Some Other Advantages

There are other things promised by this latest electric marvel. Packers may precook meats saving in time and cost and reduce shrinkage. Thermal radio may also be applied to preserving fruits and vegetables. The new heat prevents loss of vitamins and other valuable food elements. Vending machines will turn out hot dogs and hamburgers within a minute or two.

When all this comes to pass the lady of the house will never again have to say:

"I never sat down to a meal in my life without jumping up every minute to go to the kitchen for something."

— BUY WAR BONDS —

NEW ENVELOPES

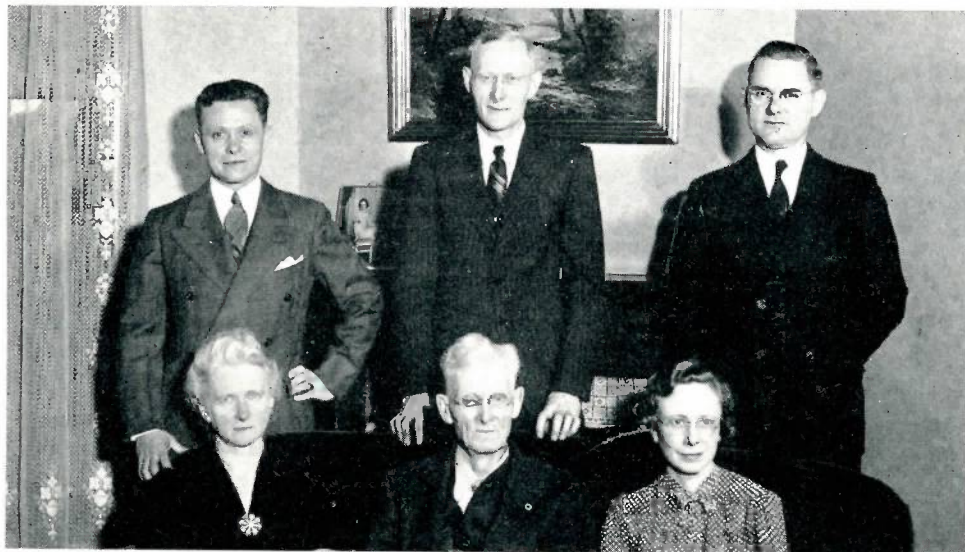
President Roosevelt and Postmaster General Walker have approved a set of eight stamped envelopes—due a year ago.

The set includes the following values: 1, 1½, 2, 3, 4, 5 and 6 cents—and a 6-cent envelope for airmail use. Colors of paper and current sizes will be used. Release dates have not been announced.

— HIT HITLER HARD —

A politician without patronage is like a cat without claws.

Century And Quarter Of Service With Mueller Company



The Yonker family, now finishing a century and a quarter of service in the Mueller organization. Seated: Mrs. Eleanor Ross, daughter, 1 year; Samuel M. Yonker, father, 41 years; Mrs. Marie Crabb, daughter, 10 years. Standing: Gerald J. Yonker, son, 20 years; Carl F. Yonker, son, 15 years; A. O. Yonker, son, 29 years.



Mrs. Mary (G. J.) Yonker,
daughter-in-law, 1 year



Louis Earl Ross,
grandson, 7 years



Geraldine Yonker,
granddaughter, 6 months

Samuel Melvin Yonker has forty-one years of continuous employment in the Mueller Co. to his credit. But this is merely the beginning. There are Yonkers of the second generation, yes, and the third generation, to uphold and prolong the record of the father. In fact the history of the Yonker family is so closely interwoven with the Mueller industry that it becomes an unusual and outstanding feature of the company's employment history. In years of service, it is almost a century and a quarter. In fact when you read this article that length of service will have been attained. We think that we are justified in the thought that the record of the Yonker family is unequalled in this country. If this is not a fact it is among a very few of similar records.

Statistical Record

Here follows the remarkable performance as shown by our carefully maintained employment records.

Name	Generation	Years of Service
Samuel M. Yonker	First	41
A. O. Yonker	Second	29
Mrs. T. E. Crabb	Second	10
G. J. Yonker	Second	20
Carl F. Yonker	Second	15
Mrs. A. I. Ross	Second	1
Louis Earl Ross	Third	7
Mrs. G. J. Yonker	Third	1
Geraldine Yonker	Third	6 mo.

The total at the time these figures were compiled was 124½ years.

(Continued on page 21)

FIRST LEAD PENCILS

They Were Hand Made by William Monroe During War of 1812

Then there is the common lead pencil which every one uses every day and knows little about. It is not made of lead as the word is generally accepted but of graphite, otherwise called plumbago or black lead.

A man named William Monroe of Concord, Massachusetts, made the first American lead pencil, which was not in his line of work at all. He was a cabinet maker.

However, a man does not have to be educated in any particular trade in order to invent something within the limits of that trade.

As an illustration, the invention of the automobile tire is accredited to a "hoss doctor." That seems so incongruous it must have made the hosses laugh if the "doc" had any equines under his professional ministrations when he completed and inflated that original tire.

War Caused Shortage

The present governmental order banning brass bands on the eraser end of a pencil is not the first time this indispensable writing instrument has played a part in war. It was during the war of 1812 that Monroe made his pencils. The American supply of pencils had been cut off by the British blockade. The price of pencils in this country bounded upward and Monroe saw and accepted the opportunity of supplying the demand. He did a good deal of experimenting in making a suitable lead compound of graphite and clay, and graphite and various gums. This work was carried on in secret. No one knew about his efforts and processes but his wife.

Walked Fifteen Miles

In June, 1812, Monroe had completed thirty pencils all made by hand, and the following month took them to Boston where he sold them to wealthy persons who were able to indulge in such luxuries as lead pencils. He sold out his stock, took more orders and then walked fifteen miles back home.

He continued making pencils in a small way, realizing that with the return of importation he would not be able to meet competition. When the war ended, Monroe went back to his trade of cabinet making.

Ahead of His Time

Monroe was far ahead of his time. Pencils were not again made in this country until 1861 when a factory was established for the purpose. Now the manufacture of lead pencils is a very considerable industry and they

are ground out by millions. Despite the inroads made by mechanical lead pencils in the past ten or a dozen years, the old style wood encased article is still much in demand and there are many persons who will have no other.

— VICTORY —

ALPHABETIC NAMES

There are twenty-six characters in our alphabet. These characters in certain groups make words and words in certain combinations and proper relationship make sentences. These sentences give paths which carry us through past ages and lead to future possibilities. Vigorous as is the alphabet, mighty as it is in giving us knowledge and understanding of literature, history, science and religion, mechanics, art and the power of communication with each other it is not big and broad enough for laws passed and government agencies established within the past few years. These laws and agencies came to the people with alphabetic prefixes. Practically every one knows the English alphabet from A to Z but we hazard the guess that not one in ten thousand could repeat the alphabetic titles referred to above. We came across the complete list in a government pamphlet and idle curiosity prompted counting the names or letters.

There is a total of seventy of these names, beginning with ACAA—Agricultural Conservation and Adjustment Administration and ending with War Shipping Administration. The only virtue of the list is to show that the initials are formed by the first letter of each word in the complete title of the thing referred to.

If the adoption of the initial system was launched on the basis of simplification we are of the opinion that the inventor of the system had his foot off the base, and the umpire should have called him out.

— BUY WAR BONDS —

OFFENSIVE WEAPONS

Steel, oil, and other critical materials aren't the only things needed for the African campaign. We see by the paper where sixty thousand diapers were included in the American equipment landed by our invading forces. But, lest you get unduly excited they will be used as gifts for natives who'll make turbans out of them. If the natives don't know the right place to use them, let it go their own way. It's their business and not ours.

— HIT HITLER HARD —

Beware of Widows

"How come the black eye?"

"That woman I met last night ain't no widow."

■ ■ ■

A little force will break that which has cracked before.

Gas Is Rationed? You're Tellin' Me!



CONSOLING—AND HOPEFUL

Husband: "I've got to get rid of my chauffeur . . . he's nearly killed me four times."

Wife: "Oh, give him another chance!"

PROMPT SERVICE

"Jones tried to beat a train."

"Did he get across?"

"No, but they're making one for him."

ONE STEP HIGHER, PLEASE

Face scratched, clothing torn, covered with dust, he rushed into a police station with a yelp for vengeance. "The car that hit me three minutes ago was No. 76,542. I can prove he was exceeding the limit and I want—I want—"

"You want a warrant for his arrest?"

"Heil, no. What good would a warrant do me at the rate he was traveling. I want extradition papers."

MET HIS MATCH

"Jim is a tremendously convincing talker, don't you think so?"

"I did, until I heard him try to talk back to a traffic officer."—Exchange.

ON THE SPOT

Motorist: "Hadn't you better go and tell your father?"

Boy: "He knows."

"Knows? How can he know?"

"He's under the hay."

HIGH CLASS

Bricklayer: "I'd like to work here, but I can't find a place to park my car."

Foreman: "I guess you won't do. This is a high class job and we want only brick layers who have chauffeurs."

PRETTY NURSE POSSIBLE

She: "Sunday and holiday traffic is always dangerous."

He: "Yes, but you stand a good chance of meeting a pretty nurse."

NOT AT LOSS FOR WORDS

Speed Idiot: "It's great speeding along like this. Don't you feel glad you're alive?"

Passenger: "Glad isn't the word. I'm amazed."

SARCASTIC

Cop: "Lady, how long do you expect to be out?"

Lady: "What do you mean by that question?"

"Well, there are a couple of thousand other motorists who would like to use this street after you get through with it."

REGULAR PROFLIGATE

"Is Jinks careless with his money?"

"Is he? I've known him to buy bread when he didn't have a drop of gasoline in the tank!"

ABOUT RIGHT

Q. We want you to settle an argument. When does a pedestrian have the right-of-way?

A. When he's being rushed to the emergency hospital in an ambulance.

GOT HIS HARP

A motorist had just crashed into a telegraph pole. Wire, pole and everything came down around his ears. They found him unconscious in the wreckage, but as they untangled him he reached out feebly and fingered the wires and murmured:

"Thank heaven I lived clean; they've given me a harp."

SEEING RED

Traffic Cop: "Hey! Didn't you see that red light?"

Colored Driver: "Sure I did, Boss, but I seen the white folks pass when de light was green, and I thought de red light wus for us niggers."

HE COULD SYMPATHIZE

Cop: "Hey, you, where are you going? Pull over to the curb."

Back Seat: "That's right, officer. He's been speeding all day, and I knew he'd be arrested. It just serves him right!"

Cop: "Your wife?"

Driver: "Yes, officer."

Cop: "Drive on, brother. Sorry I stopped you."

JUST ROUND ABOUT

Police Judge: "Just where did the automobile hit you?"

"Well, your honor, if I had been wearing a license plate it would have been badly damaged."

I'M TELLIN' YOU



● Don't tell us your troubles—let us tell you ours.

● If exercise eliminates fat why do so many women have double chins.

● You are more apt to slip on apple sauce than you are on a banana skin.

● Charlie McCarthy is not the only wooden man to get his phiz in the newspapers.

● Girls are fond of fine clothes but that does not mean that they have to wear them.

● The easy solution of mental contentment is to let your think tank run out of gas.

● The Swing Door. The man and the quart—the quart went in while the man passed out.

● No, we don't know her age. She was born sometime before calendars were printed.

● Mathematics are above our head and so are English sparrows which is the reason for our dislike of them?

● We are told by a magazine that Uncle Sam is neither a skin flint nor a fool. What about being a sucker at times.

● Damn all gum chewers who stick their "Chawin" on the bottom of restaurant chairs or the under side of a stair hand rail.

● Superstitious significance—Did you notice that Mrs. Martha Virginia James, murdered in a sleeping car, occupied berth 13. A few thousands of readers did.

● The big thing in the sugar bowl now is the man who does not have to pay a tax of any kind. He is just as hard to find as the sugar in the bowl.

● "I told Joe. If this means Stalin you barked up the wrong tree." At present Joe is in position to tell it to you—and later to tell the peace conference.

● Napoleon backed out of Russia after one disastrous winter, but it took the former Czarlanders two winters to throw Hitler out. Some people are hogs—Hitler the biggest of the bunch.

● An old German proverb says: "A growing boy has a wolf in his belly." Now we know why Hitler is such a wolfish fiend. Some one should have given him a dose of castor oil before he grew up.

● Whither are we drifting? About the only thing we have left under rationing regulations is our mouths with nothing much left to put into them excepting the uppers—and we have never learned to like them.

● Amos and Andy finished up gurgling their soup February 19 and will forego that \$7,000 per week until autumn. Personally we should like to report that it would please us if other "stars" had followed the example of A. and A.

● We find in Proverbs—"It is better to dwell in the wilderness than with a contentious and angry woman." In this we agree but why take to the wilderness. The wood shed is nearer and with the door securely locked is a fairly safe refuge until the clouds roll by.

● We have been asked what will Hitler do and what will he be called when the war is over. We are helpless. We have called him everything we could and still get the Record through the mails. On the side lines we have called him names which would set our magazine on fire if printed.

— VICTORY —

AN ARTISTIC CALENDAR

The first few months of the new year always brings to the editor's desk many beautiful calendars, but this year none exceeding the art finesse of the one sent by our good friends, the Hawes Drinking Fountain company of Berkeley, California. It represents "A Modern Eve." It truly is all of that—not even a fig leaf in sight.

— BUY WAR BONDS —

Prof: "If the President, Vice-President and all the members of the Cabinet died, who would officiate?"

Pupil: "The undertaker."



Alexander Pope:—

Blessed is he who expects nothing for he shall never be disappointed.

Washington:—

The basis of our political system is the right of the people to make and alter their constitution of government. But the constitution which at any time exists, until changed by an explicit and authentic act of the whole people, is sacredly obligatory upon all.

Swam:—

The sweetest bird builds near the ground,
The loveliest flower springs low;
And we must stoop for happiness
If we its worth would know.

Hannah More:—

Vicious habits are a great stain to human nature, and so odious in themselves, that every person actuated by right reason would avoid them.

Jeremy Taylor:—

To be patiently longing and impatiently desirous of anything, so that a man cannot abstain from it, is to lose a man's liberty, and become a servant of, meat, and drink or smoke.

Johnson:—

Those who are in the power of evil habits must conquer them as they can; and conquered they must be, or neither wisdom nor happiness can be obtained; but those who are not yet subject to their influence, may by timely caution, preserve their freedom.

Cicero:—

The greatest incitement to guilt is the hope of sinning with impunity.

Grotius:—

'Tis long ere time can mitigate your grief; to wisdom fly, she quickly brings relief.

Crew:—

By humility I mean not the abjectness of a base mind but a prudent care not to over-value upon any account.

Gay:—

By ignorance is pride increased; they most assume who know the least.

Lavater:—

He who praises freely what he means to purchase, and he who enumerates the faults of what he means to sell, may set up a partnership with honesty.

Plutarch:—

The giving of honors to a wicked man is like giving strong wine to him that hath a fever.

Washington Irving:—

There is an emanation from the heart in genuine hospitality which cannot be described, but is immediately felt, and puts the stranger at his ease.

Pope:—

A wit's feather and a chief's rod; an honest man's the noblest work of god.

Sir W. Temple:—

The only way for a rich man to be healthy is, by exercise and abstinence, to live as if he were poor.

Eccls. X-2:—

A wise man's heart is at his right hand but a fool's heart is at his left.

Moore:—

Earth has no sorrow that heaven cannot cure. What is public history but a register of the successes and disappointments, the vices, the follies, and the quarrels of those who engage in contention for power.

Ingersoll:—

My creed is this: happiness is the only good. The time to be happy is here. The time to be happy is now. The way to be happy is to help make others so.

Beecher:—

Every man should keep a fair-sized cemetery in which to bury the faults of his friends.

— HIT HITLER HARD —

WATER WORKS MEETING

The 1943 conference on War Winning Water Works Operations will be held at Cleveland, Ohio, June 16-18. Hotels Statler and Carter, Harry E. Jordan is executive secretary of the Association, 22 East Fortieth street, New York, N. Y. It is none too early to begin preparing for this important meeting.

TIME TAKES ITS TOLL

Twenty-Two Years Ago 134 Companies Offered Autos to the Public



This Cadillac car was one of the first owned by the late Robert Mueller some 25 or 30 years ago.

Twenty-two years of history of the automobile industry furnishes interesting facts of how it went up, blew up and settled down to marvelous development. It stands a good chance of going down in industrial history as the outstanding undertaking of the century in the matter of output and also in the amount of money invested. This vast enterprise had to be built from the ground up.

The Fiduciary Trust Company of New York proves much of this by a search of their files. This search revealed that in 1920 there were one hundred and thirty-four different makes of cars on the market. The average owner of an automobile today never heard and knows nothing of the many different names given these cars.

For instance there was the Ace, Climber, Comet, Geronimo, Lone Star, Meteor, Pilot, Roamer, Wasp. Time has swept aside all but thirteen cars now being manufactured. They are:

Buick	Chrysler
Cadillac	Nash
Chevrolet	Oldsmobile
Dodge	Packard
Ford	Studebaker
Hudson	Willys
Lincoln	

Some of the cars lost in the shuffle at one time enjoyed much popularity. The Overland was among them. Two of the forgotten cars are the Comet and the Pan American. These were manufactured in Decatur.

Many reasons can be assigned for the abandonment of so many cars. Among these are lack of capital, imperfect mechanically, inability to compete, lower prices as a result of mass production, expensive advertising campaigns, which only a few could afford to make permanent. The principle

trouble seems to have been too many cars, too high prices and not enough buyers. In those early days the automobile was looked upon as the rich man's plaything. There were few persons who could envision the tremendous market in sight. When the cars were marketed in great volume at lower prices they were in the middle man's class and he bought them just as readily as he would a sack of bananas. Perhaps the greatest influence in popularizing the auto was the thousands of miles of cement highways laid by states. Even this factor would have been unequal to supporting the 134 different makes of cars.

— VICTORY —

NUTRITIONAL FOOD

The majority eat to satisfy the appetite rather than to build and maintain bodies in healthful condition. Consequently a large per cent of the food we eat does us no real or vital good. This is true of a time when strong bodies are a pressing need of the nation. The office of Defense Health and Welfare Service of which Paul V. McNutt is director tells briefly in a small pamphlet "that every day eat this way."

Milk and Milk Products—at least a pint for everyone—more for children—or cheese or evaporated or dried milk.

Oranges, Tomatoes, Grapefruit—or raw cabbage or salad greens—at least one of these.

Green or Yellow Vegetables—one big helping or more—some raw, some cooked.

Other Vegetables, Fruit—potatoes, other vegetables or fruits in season.

Bread and Cereal—whole grain products or enriched white bread and flour.

Meat, Poultry or Fish—dried beans, peas or nuts occasionally.

Eggs—at least 3 or 4 a week, cooked any way you choose—or in "made" dishes.

Butter and Other Spreads—vitamin-rich fats, peanut butter, and similar spreads.

Then eat other foods you also like.

— BUY WAR BONDS —

EXPENSE ACCOUNT

In Atlanta it was Mabel

In Mobile her name was Flo.

Cincinnati it was Dolly,

Betty Jane in Buffalo.

In old Philly it was Mary,

Down in Tampa it was Jean,

But on his week's expense sheet,

It was "Meals and Gasoline."

—Automobile Bulletin.

— SLAP THE JAP —

Mistress: "Why don't you keep the baby quiet, Kate?"

Kate: "I can't keep him quiet, Ma'am, unless I let him make a noise."—Vesta Vamp.



Always Something New

(From Nation's Business)

A paint brush with tapered synthetic bristles compares well with the best oriental hog bristles and has toughness and inertness to paint ingredients.

Air raid warnings given by a special apparatus developed for use on carrier currents superimposed on regular house currents. Yellow, blue, red and white signals may be sent from the power station and received on any unit plugged into the house circuit or audible signals may be sent.

A utility machine for tractors works as a bull-dozer or clam shovel. In addition to cut and fill work it will remove stumps and boulders. Hydraulically controlled from driver's seat.

Rubber V-belts giving more service and greater strength and less stretch. They are made with endless steel cords instead of fabric or cord interior construction.

Zinc is being electro-plated on sheet steel as a substitute in many uses for nickel, tin and other coating materials. Highly resistant to corrosion and withstands stamping and other fabrication operations.

A synthetic resin is used to make yarn with elastic properties. It supplants rubber formerly used and is resistant to sunlight, body acids and is superior to rubber.

Alcohol and other flammable liquids fires easily extinguished by a powder carried in a water stream. Floats on the surface and makes an air tight blanketing foam.

A new compound said to give better anti-fogging results when rubbed on safety goggle lenses. Available in pencil form.

A new type airplane hangar made of plywood and laminated wood. It can be prefabricated to save erection time, is arch shaped and quite strong.

For women welders flame proof clothing treated fabric similar to terry cloth. The special treatment does not detract from appearance and texture. Also for these welders a tailored leather garment for protection without the shapeless look.

A factory ambulance for use in narrow aisles or to other places not accessible to regular ambulances. It is made of a motor scooter with a side car fitted with a covered stretcher 6 feet, 8 inches long. The unit carries the driver, attendant, and one patient. It can also be used as a luggage carrier.

— VICTORY —

POT LUCK MEALS

Easy Way of Assembly Eating Was in Practice in Past Centuries

In re-reading Oliver Goldsmith, a favorite since boyhood days, we came across a few lines of verse which suggested potluck meals. It shows that this name is not of recent origin. The lines we refer to follow:

"Of old, when Scarron his companions invited,

Each brought his dish and the feast was united.

If our landlord supplies us with beef and with fish,

Let each bring himself and he brings his best dish."

In chasing down the origin of pot-luck meals there was little to uncover. As a matter of fact it is self-defining, meaning what was left over in the pot. George Eliot and Emerson have referred to it briefly. Each person attending a pot luck is expected to bring a dish of food, as Goldsmith expresses it.

Whether this was the result of Scarron's helpless condition which did not rob him of his love of merriment and happy-go-lucky friends is a surmise only but it seems probable.

Scarron Good Fellow

This Paul Scarron mentioned by Goldsmith was apparently a good fellow, who loved the society of bright minds. He was born in Paris and at twenty-two was an abbe and lived in Rome perfectly satisfied even though known as something of a libertine. He finally gave up his benefice and returned to Paris where his quarters became the rendezvous of the wits, literati, poets, authors, actors, and others of that class partly due the fact that Scarron was a helpless, hopeless cripple. Between drinks with convivial friends Scarron laughed and made the world go by with a laugh through the medium of his successful comedies and humorous writings. He died in 1660.

— BUY WAR BONDS —

Christmas card sent home by a private in one of the Pacific Islands reading: "Having a wonderful time. Wish you were here (instead) of me."

"Ads," Signs, Names

Beware:—"No huntin', No Fishin', no Nuthin'!"

Undertakers Window Sign:—Ask those whom we have served.

For Sale:—A folding bed, by a lady that shuts up and looks like a piano.

Store sign—Don't be rude to the clerks. We can get customers but not clerks.

Social Service report:—Good type American family—appear refined but intelligent.

Sign in hamburger shop:—"Do not hesitate to ask for credit—our refusal will be polite."

Wash room WAAC barracks, Des Moines—Do not leave cigar or cigarette butts about the basin.

Advertisement in Lake Mills (La.) News:—"Clean and decent dancing every night except Sunday."

Under an American flag in a store, Pella, Iowa—"These colors don't run."—via Farm Journal and Farmer's Wife.

Chinese Restaurant:—"Not responsible for personal proprieties in dining room unless checked."—Via Readers Digest.

In restaurant suggested "Hang over" breakfast:—Jumbo orange juice, toast, coffee, two aspirins and our sympathy.

The outstanding advertisement for New Year's eve was in Al's Place:—Visitors invited to come here and cry in your beer.

Pittsburgh Bus Sign:—Do not offer the lady your seat. If she can stand in the assembly line all day she can stand on her feet.

Movie Theater:—Children's Day—"Adults not admitted unless with child." According to signs and statistics this means an overflow of women with child.

Sign in the lobby of an apartment house in the Mile Square:—"In case of air raid, ring tenants' bells and yell to get tenants in safe parts of the house. Always maintain calm and quiet."

Sixes:—Mrs. Six and six little Sixes are free from Mr. Six, originator of the Sixes. Oddly enough Mrs. Six got a divorce from Mr. Six who is serving a 6 month term in a state penal institution, who had been arrested 6 times on charges of non-support.

Of course invitations are not issued for certain "Military or shot gun weddings," but with dinners it is different. Great care should be exercised in this branch of social etiquette, as the woman who wrote "Captain Green's company for dinner" learned. She passed out when she read this acceptance: "Captain Green's company accepts with pleasure your kind invitation excepting three men on the sick list."—Revised and revamped from Univ. of Washington.

— HIT HITLER HARD —

THE LONGEST BEARD

Seventeen Feet of Whiskers the Prized Possession of Hans Langseth

Every one to his own hobby is a French axiom and it seems a very good one. If a person elects to be eccentric and cultivate some fad aside from regular custom it is his own right. There are thousands of individuals in every country who do this with the result of attracting a lot of attention. An interesting article in Cablegram directs attention to this thought. That house magazine tells us that H. E. Zimmerman is a hobbyist in that he collects unusual photographs and now has some five thousand from all parts of the world. Among the number is one of the late Hans Langseth of Barney, S. D. It took him fifty years to grow his beard which measured 17 feet at his death.

To Keep From Stepping On It

He had to braid it and wind it around himself to keep from stepping on it and tripping. With no disrespect to the "beard of the prophet" we can see where it might render good service. Counted in inches what a handy measuring rule it might have been in getting the dimensions of the parlor for a new carpet, or for any other measuring purpose when a yard stick was not handy. Aside from this length of whiskers the owner of the crop was a fine looking, dignified old gentleman. It would be interesting to know how much money he saved during his long life by dodging barber shops, how he laundered it, how he kept it from tangling with his feet when he went to bed.

— VICTORY —

A woman is only a woman but a good cigar is a smoke.—Kipling.

Fools make feasts, and wise men eat them.—Franklin.

MUELLER RECORD

SAVES VALUABLE SPACE IN MAIL

FORM FOR MESSAGE IN TYPEWRITER, DARK INK OR PEN INK. WHITE ENVELOPE

646260

NO. 20603914

PAIRED BY
U 11076 S
ARMY EXAMINER

Mr. J. W. Wells
% Mueller Mfg. Co.
Decatur, Illinois

Col. J. Ruthrauff
SENDER'S NAME
2nd Div. Army C-A POLS
SENDER'S ADDRESS
% Postmaster, N.Y.C. N.Y.
December 12, 1942
DATE

Drop at Post Office
CENSORS BY STAMP

Dear Mr. Wells,

Within the last two days, Alvin and I have received from Mueller Records, and believe me, it's well to be on your mailing list. The Record takes place of the home town paper, and of course it is a little more personal.

I'm sorry that we've neglected writing you sooner, but we do have more work than we can handle. We received the Christmas packages okay, and everything in them are really appreciated over here; thanks a million. All the boys over here realize that the folks at home are seeing how pleasant they can make Christmas for us, and with that taking place, how can we lose?

I see by the Records that the old Mueller boys are really scattered to the four winds, but I expect we'll all be re-united in the near future.

Will close for now, and will write some-time soon.

Sincerely,
Jack Ruthrauff

V-MAIL

In the last issue of the Mueller Record we told you some things about the V-Mail Letters. This is known as microfilm. Paper for the original letter can be obtained at any post office. It is in reality an unfolded envelope and your letter is written on the inside. Although somewhat limited in space it allows for a quite sizeable letter. You should write with dark ink or typewriter. There are reasons why the latter is the best. It is more uniform and doubtless more legible when reduced in size. The most important thing if using a pen, is to write plainly. The sheet you write on will be reduced about one half in size. Naturally there will be a desire to include as much information as possible. But the amount is restricted. The instructions, abbreviated, will appear on the letter paper you get at the post office.

V-Mail service is available to and from personnel of the armed forces. If a message is addressed to or from a point where V-Mail is not available your letter will be transmitted in original form.

When transmitted by V-Mail service a miniature photographic negative is made. In view of this fact the message should be written very plainly. The message must be written in the space designated for it. Drop your letter in the post office or mail box. Enclosures must not be placed in the envelope.

The size of the V-Mail letter is exactly as shown in the accompanying illustration, being reduced approximately to one half of the original. This is accomplished by a process similar to half tone engraving. In the reduction your hand writing will be re-

duced in proportion and will be very much smaller than your original. It is therefore to your advantage to not only write plainly but to write in a full, round hand.

The sheet on which you write your letter as furnished by the post office is the same size as a business letter head, $8\frac{1}{2} \times 11$ inches, exclusive of the sealing flap. On the writing side $2\frac{1}{2}$ inches at the top provides ample space for name and address with space at the left for censor's stamp and at the right for the senders name. The actual writing space is $7\frac{3}{8} \times 8\frac{1}{2}$. This admits a letter of reasonable size.

This plan was evolved for the purpose of reducing bulk in mail both going to and coming from those in the service. Handling this class of mail is regarded by the government as of exceptional importance. The officials realize the desire of the soldiers for letters from home and vice versa. The thing to do is to cooperate to the fullest extent.

— BUY WAR BONDS —

KENNEY 100% "V"

Kenney, Illinois, is a small town of about five hundred population, about nine miles north of Decatur but the town folks do their stuff in a big town way.

It was officially designated as the 100 per cent V for victory town in the United States.

There are one hundred homes there and in every window is displayed a V for victory sticker. The residents of the town bought one hundred thousand dollars of war bonds and stamps, threw the iron of the unused jail into the scrap heap and delivered scrap metal on an average of one hundred pounds per person. And above and beyond this, at last check-up Kenney had sent 75 of their sons to war.

James M. Landis, national director of the OCD, sent a telegram to Mayor Carl E. Fort, the town barber, declaring that "Kenney led the parade of real American homes in exemplifying the full measure of participation in our war effort."

Under "V-Home" requirements, a family must be prepared with information and bomb-smothering material against air attack; it must salvage everything useful to the war effort; it must conserve food, clothing, health and transportation; it is careful not to spread rumors that might give aid to the enemy; it has a regular program of buying War Bonds.

— HIT HITLER HARD —

Human Chameleon

"Gee, I was so green when I came to the big town from the West that it made me blue."

"Why didn't you paint the town red?"

"I started to, then I turned yellow."

LETTERS THEY LONG FOR

Do Your Bit by Writing to the Boys at the Front

"The Letter that he longed for never came." Picture in your own mind one of the brave soldier boys failing to get the letter from home that he longs for. Can't you see him dejectedly turning away with disappointment all over his face as he watches other soldiers with looks of joy and happiness as they nervously tear open envelopes.

A letter from you would be a God-send. If you have no son, brother, husband or near relative in the service write to some one you know even slightly. May we suggest that in doing this not to write a blubbing, pitying, pathetic letter which will only dampen his spirits and emphasize his loneliness. Give him gossip, tell him about the little things, his pet dog, what persons he knows at home are doing, movies you have seen, sporting events—Just such a letter you would write to a friend or such gossip that you would indulge in if talking to an intimate. If he likes baseball watch the papers and tell him such things as the Yanks releasing Lefty Gomez and Cincinnati releasing Paul Derringer to the Chicago Cubs. If he likes horse racing or fights get that class of news from the newspapers. He will enjoy it even if you do not. Something about Major Bowes entertainments should appeal to him because they have to do with the soldiers.

The boys in the service know what they are up against and they do not want sympathy or reminders of the hazards they face. Their need is for cheerful, gossipy letters, more now than ever before. The government will see that the letter reaches the person to whom it is addressed but there is no longer certainty about papers and magazines. Restrictions on this class of mail are being made more rigid every day.

We all have an opportunity of doing a genuinely good act in writing letters to the boys at the front.

Why not do it? Do it today!

— VICTORY —

Unwedd: "A bachelor has nobody to share his troubles."

Beenwedd: "Why should a bachelor have any troubles?"

"She has a very magnetic personality."

"She ought to. Every stitch she has on is charged."

Physicians say one million women are overweight. These, of course, are just round figures.

CHANGE AT CONNEAUT

William V. Kantola Becomes Superintendent and Civil Engineer

On another page of this issue is an article on the retirement of Lee Harvey after forty-one years and six months as superintendent of the Conneaut, Ohio, water works which by the way is outstanding in modernity in a small city.



William V. Kantola

His successor is William V. Kantola. No more fitting selection, it seems to us, could have been made. By education and experience Mr. Kantola is amply equipped to meet and discharge his new duties. Not new to him, however, because of his former position as city engineer and his close association with water works problems. During the construction of the present plant, he was assistant to Mr. Avery, who was resident engineer representing the office of George Gascoigne, engineers in charge of rebuilding of the Conneaut water works. Mr. Kantola's background is really not of such vital importance when you know of his record founded on actual experience.

He is a registered civil engineer and surveyor in Ohio. He was graduated from the University of Detroit, 1928, with a Bachelor of Architectural Engineering degree. Worked four years (part time) while in school and three years with B. C. Wetzel & Co., architects, Detroit, and six years as assistant engineer with the Ohio Highway Department. In September 1939 he was appointed through civil service as city engineer of Conneaut which position he has held to the present time. In November 1942 by act of the city council the positions of city engineer and water works engineer were combined. This became effective January 1, 1943, and Mayor Edward Kane named Mr. Kantola for the important duties. As former city engineer Mr. Kantola had been called on for advice and planning in connection with water main extension in cooperation with Mr. Harvey.

The position of Chief Operator created by the new alignment by the city council is held by Henry Arp.

Clyde McKee is maintenance and repair foreman with a service record of 39 years.

At present the plant is pumping approximately 1.5 M.G.D.

The lesson which Conneaut should know is that good men come and good men go.

SOME SCIENTIFIC SHOTS

Some thirty-eight automotive parts are now made of synthetic rubber.

With spring in the near future we will doubtless encounter many thunder storms, with the usual accompaniment of lightning. Thousands of persons have a great fear of lightning, yet the chances of being struck are very remote—one in 338,000 according to the census bureau.

A government engineer is the authority for the statement that shade is the cheapest air-conditioning for the home.

British India furnishes 98 per cent of the world's supply of jute.

It takes half as long to build a range finder as it does a battleship.

The dairy industry annually supplies 15,000,000 pounds of casein for paint.

Iraq exports about 170,000 tons of dates in time of peace.

The new Washington National Airport has a smoke signal system to show incoming pilots wind conditions at ground level.

— BUY WAR BONDS —

INFLATION

A writer in the Saturday Evening Post tells us that not one person in a hundred thousand knows the meaning of inflation. This is easily believed. Like a good many abstruse questions, misunderstanding leads to a lot of gabble even among those who are regarded as intelligent. The United States is not only taking the hard way to raise enough money to pay the tremendous war bills but are taking the hardest possible way through heavy taxation, aided and abetted by piece meal sale of war bonds. The writer referred to says that any other way would bring on inflation. Our failure to buy war bonds would result in inflation. We are continually forcing the Treasury to create new money. This, the writer says, "This is stamped as the stark, naked truth, with such grave consequences that every adult in the land must be made to understand it." The author of the article is Henry Scherman.

— HIT HITLER HARD —

Hitler, inspecting his troops, asked one soldier: "What would be your last wish if a Russian bomb fell near you?"

The soldier replied: "I would wish that my beloved Fuehrer could be at my side."

Factions are balancing each other like children at a game of see-saw.

SWIFT AND INGERSOLL

Satirist and Orator Proper Men to Castigate Hitler

Jonathan (Dean) Swift was a master of satire. If he disliked a person he used this weapon unsparingly. Sir Robert Walpole, a famous English statesman, knew all this by experience. It is recorded that Dean Swift, as a cleric had a hankering for politics and that his dislike of Walpole was due disappointment in not receiving some coveted political favor. We chanced in an idle moment to pick up a volume of the doughty Dean's work, and were impressed by some of his verse applying to Walpole. The thought came to us that the Dean, if living today, would be the man to castigate Hitler together with one other man, Robert C. Ingersoll, master of oratory and eloquence. Swift attacked as with a cutlass, while Ingersoll punctured as if with a rapier. Following are samples of the work of these two men:

Attacking Walpole

Without giving names Swift was attacking and ridiculing Walpole, when he wrote:
"At first to make my observation right,
I place a statesman full before my sight,
A bloated minister in all his geer,
With shameless visage and perfidious leer;

* * *

Two rows of teeth arm each devouring jaw,
And ostrich like, his all digesting maw
My fancy draws this monster to my view,
To show the world his chief reverse of you."

* * *

And again the Dean let fly at the object of his hatred the following shafts of satire and ridicule:

"Of loud unmeaning sounds a rapid flood
Rolls from his mouth in plenteous streams
of mud
With these the court and senate house he
piles
Made up of noise, and impudence and lies.

* * *

"And such was then the temper of the times;
He owed his preservation to his crimes.
The candidates observed his dirty paws
Nor found it difficult to guess the cause;
But when they smelt such foul corruption
round him,
They fled and left him as they found him.

Napoleon

Anent this thought of what to call Hitler after the war there was the late Col. Robert C. Ingersoll, long since gone to his rest. His larruping of Napoleon is remembered by those who have heard or read Col. Ingersoll and admired him for his eloquence and oratory, and not for his beliefs. Here is what he said in part: "A little while ago I stood by the tomb of the old Napoleon. * * *

And I said I would rather have been a French peasant and worn wooden shoes. I would rather have lived in a hut with a vine growing over the door, and the grapes growing purple in the kisses of the autumn sun. I would rather have been that poor peasant with my loving wife by my side, knitting as the day died out of the sky—with my children upon my knees and their arms about me—I would rather have been that man and gone down to the tongueless silence of the dreamless dust, than to have been that imperial personation of force and murder, known as 'Napoleon the Great.'"

— VICTORY —

GABBLE GOBBLE

There is much gabble about "what are we going to do" and where are we going from here when post war days come. Every true Britisher claims the privilege of disagreeing with and criticising the government, while over here we claim the privilege of "shooting off our mouths" and suggesting ideas, plans, and purposes. It may not mean much but it is a great relief to the individual even though the plan may be impracticable and unworkable. We recall the old axiom, "in times of peace prepare for war." Why not reverse this to "In times of war prepare for peace." The time to have done this was several years ago. Had it been done we would not now be so deep in the mire of war. Disorganized efforts mean nothing and the advice does not. When the proper time comes we depend on our chosen officers to figure out a plan that will really prove effective.

The Chamber of Commerce of the city of Cleveland points out in a recent letter that the desire for reorganization is natural and says that proper steps should be taken to organize for it.

"Individual action or thought is not going to accomplish anything.

— BUY WAR BONDS —

MEN BY THE MILLION

The office of War Information has released the following regarding Selective Service:

The calls are made on a month-to-month basis, with the Selective Service being notified about two months in advance of the needs of the armed services. The President's recent executive order directs that the Secretaries of War and Navy shall, after consulting with the War Manpower Commission Chairman, determine the number to be selected. Official estimates have been made that the total armed forces (not including officers) will be increased from approximately 5,500,000 now to 9,700,000 by the end of 1943 (7,500,000 Army, 1,500,000 Navy, 400,000 Marines, and 300,000 Coast Guards), indicating a minimum need of 4,200,000 during 1943.



IRISH WIT
mixed with
BULLS

THE DEFINITION

Pat: "That was a foine sintiment Casey got off at the banquet last night."

Mike: "What was it?"

Pat: "He said that the swatest mimories in life are the ricollections of things forgotten."

The Irish foreman found one of his men sleeping in the shade.

"Slape on, ye idle spalpeen," he said, "slape on. So long as ye slape, you've got a job; but whin ye wake up, ye're out of wurrk."

CORKER

Pat to Drug Clerk: "I want an empty bottle."

Clerk: "Five cents, unless you want something put in it. In that case it's free."

Pat: "All right, put a cork in it."

TRY IT OUT

Mike: "America is a great country, Pat."

Pat: "How's that?"

Mike: "Sure, th' paper sez yez can buy a four-dollar money order for eight cints."

FOR SAFETY'S SAKE

Pat: "What did that fellow say you were?"

Mike: "Laconic."

Pat: "What does it mean, anyway?"

Mike: "I dunno, bedad, but I gave him one on the jaw to be on the safe side."

WRONG NAME

Clerk: "Does this package belong to you? The name is obliterated."

O'Brien: "No, that isn't my package. My name is O'Brien."

DOUBLE PRECAUTION

Shipping Clerk: "Did you put 'Handle with care' on top of the box and 'This side up' on those boxes going by freight."

Pat: "Oi did, sur. An' for fear they did not see it on the top, Oi painted it on the bottom, too."

WHY NOT GAYRIDGE

"Pop, what's a grudge?"

"It's what yiz keep an automobile in!"

DISAPPOINTMENT

"Do you believe in dreams, Riley?"

"Oi do," said Riley.

"Well, phwat's ut a sign of if a married man dreams he's a bachelor?"

"It's a sign he's goin' to meet wid a great disappointment when he wakes up."

IN THE SEWER

Norah: "Get up and set the table."

Pat: "Don't be askin' the man of the house to be doin' sich things. bring on the grub and stop yer lip."

Norah: "That's a foine way to talk to me who stands over a hot stove all day while you're down in the nice cool sewer."

Two green Irishmen walking down the street saw some cranberries:

Mike: "Phwat's thim?"

Pat: "Thim?"

Mike: "Yes, thim."

Pat: "Oh, thim make finer applesauce than prunes."

SECURITY

Mr. Milligan: "If I'll be havin' security equal to what I take away will yez trust me till next week?"

Mr. Sands (the butcher): "Certainly."

Mr. Milligan: "Well, thim' sell me two av thim hams an' kape wan av thim till I come again."

A LIGHTLESS WAVE

Pat was brought to court for questioning in connection with an automobile accident at a railroad crossing.

Judge: "Did you wave the red lamp?"

Pat: "I sure did," and the next day he told his friend: "It's a good thing for me he didn't ask if the lamp was lighted."

WEARING OF THE GREEN

Mrs. Malone: "What did your uncle die of?"

Mrs. Flanagan: "Gangrene it was, Mrs. Malone."

Mr. Malone: "Thank hivins for the color anyway, Mrs. Flanagan."

Doctor (examining small Irishman for army): "You're a little stiff."

Candidate: "You're a big stiff!"

— SLAP THE JAP —

Memory is not so brilliant as hope, but it is more beautiful, and a thousand times as true.

Spokane Steps Into The Spot Light

Spokane, the city of success, the thriving, throbbing metropolis of the great Northwest, a jewel of civilization hewn from the wilderness, sparkling with enduring brilliance in persistent enterprise and industry fulfilling to the last word the Indian definition of the name—Spokane—"Children of the Sun."

Since 1872

It requires something of a stretch of the imagination to realize that this bustling city was first settled in 1872 and not incorporated as a city until 1881. In 1882 it became the county seat. A year later a disastrous fire obliterated a considerable portion of the growing little settlement, repeating again in 1889 when thirty blocks in the business section were burned. Undaunted by these disasters the hardy people rebuilt their town on the ruins, but this time with better and more substantial buildings than before. Today Spokane points with honest pride to solid business blocks, fine schools, stately churches and public edifices which challenge those of any American city of the same size and pretensions. A brief reference to Spokane's growth in population is of interest in respect to its continuity and steady increase. The first census in 1880, twelve years after the arrival of the early settlers, showed a population of 300. The subsequent censuses show: 1890, 19,222; 1900, 36,848; 1910, 104,402; 1920, 104,437. This narrow escape from backsliding is the only one on the city's fine record. The steady increase in growth was resumed and the census of 1930 showed a city of 115,514 and then came 1940 with another healthy showing of a population of 122,000. The commercial and industrial interests have kept in proportional relationship to the population as one would naturally expect it to do, with deep-rooted conviction of an even greater growth in the coming decade.

Inadequate and insufficient as these few statistics are we still feel that they justify our appellation of—"Spokane, the City of Success."

To attempt to give a satisfactory word picture of the beautiful architecture which pleases the fancy or dazzles the eyes, or to attempt the same of the magnificent natural grandeur of the scenery would be equivalent to a house painter attempting with his crude materials a Mona Lisa on canvas. The artistry of verbal combinations fall flat in the presence of the overpowering greatness and grandeur wrought by the mighty hand of nature, which alone knew where to paint the bold strokes in the towering mountains and

Key to Pictures on Opposite Page

TOP: A view of Spokane's Civic Center. Notice substantial buildings, the trees, the curved street and the beautiful cloud effects. (Leas Studios.)

INSERT: View of the waterfall with its 70 foot drop in the heart of the business center. As Spokane is divided by the river of the same name there are many necessary bridges. (Photo by Gamble.)

BELOW: In the upper left is photograph taken from the Spokane river below the falls. Silhouetted against the sky are the outskirts of Spokane's business district, a city from which operate agencies to conserve and build a rich Inland Empire.. (Photo by Gamble.)

UPPER RIGHT: Near the summit of Mt. Spokane in Mt. Spokane State Park, showing Indian bear grass growing in profusion. Mt. Spokane State Park is an outstanding recreational area for Spokane citizens throughout the year. There is a good road to the summit where the state has provided exceptional facilities for visitors. On a clear day seventeen lakes can be seen from the top of the mountain.

LOWER LEFT: A view of the beautiful Sunken Garden of Manito which is claimed far and wide as one of the loveliest landscaped areas in the West.

LOWER RIGHT: Seventy-five lakes in a circle of mountain water courses surrounding Spokane within an area of sixty miles. This is beautiful Coeur d'Alene Lake just across the Idaho line thirty-five miles from the Spokane City Center.

the light strokes in depicting the gleaming lakes and soothing silence and beauty of the valleys.

Waterfall in Business District

The city of Spokane is on both sides of the Spokane river and has within its limits, in fact in the very heart of the city, one of the greatest waterfalls in the world. The drop of these falls is 70 feet.

Spokane occupies a total area of 41½ square miles. Since these figures were given several years ago the development of the Inland Empire has reached such marvelous proportions that the square mileage doubtless is in excess of the figures quoted.

The boulevard and park systems are on the usual large scale of western enterprise. The park system includes 2,200 acres, most of these developed in the minutest detail by man's genius and ingenuity.

Fine Location

The city of Spokane is beautifully located. From the city itself one may enjoy the unparalleled beauty of the surrounding country, but splendid highways open close contact



with natural scenery, both rugged and soothing in its fairyland charm. The great wealth and the region's resources are responsible for Spokane's large commerce and humming industry.

The city is the gateway to the National Parks of the Canadian and American northern Rockies and headquarters of the Coulee Dam project.

It claims to be the nearest large city and main travel gateway to this stupendous undertaking which has been earmarked as the greatest engineering and biggest construction undertaking of all time. It transcends in bulk anything heretofore undertaken by man. This fact alone is a barrier to extended description. The unsurpassable bulk as well as the little minute details baffle imagination.

Twelve thousand miles of hard-surfaced highways cover Spokane territory in a vast network, with U. S. arterials converging there from every direction.

War Gives Impetus

War needs have given a big impetus to the city and surrounding territory. It has come to pass since Pearl Harbor. Developments in the light metal fields have combined to make Spokane one of the leading producers of aluminum and magnesium in the country. Included in the program are the Trentwood Aluminum Rolling Mill, the Mead Reduction Plant, or pig aluminum plant, and the Hillyard Magnesium Reduction Plant. These undertakings represent an estimated investment of \$100,000,000. When these plants get into operation, if they are not already, the yearly payroll is estimated at \$12,000,000. These figures were gleaned from the annual Progress edition of the Daily Spokesman, ending the article with this paragraph:

"The construction of the plants has been the highlight of industrial activity throughout 1942 in Spokane valley. When they are all in operation with full crews, they will make Spokane an industrial city of the first magnitude for the first time. They also make Spokane an important center of light metals activity."

Among other advantages claimed, Spokane is headquarters for large scale agricultural operations, lumbering activity and mining capital of the Pacific Northwest. These vast, diversified resources are undergoing intensive development and are the mainspring of a production in excess of \$400,000,000 annually.

But Spokane is not entirely entangled in pursuit of the almighty dollar. The residents of that section have recreational gifts from nature that are irresistible. These include endless possibilities for such diversions as

hunting and fishing or if not that, relaxation in many parks, and trips to forests and lakes with their innumerable beauty spots. These are so generously scattered that a lifetime is all too short to see all of them.

Of the 8,000,000 yearly visitors to the national forests throughout the nation, 25 per cent, or 2,000,000, visit the forests in Oregon and Washington alone in normal years. Montana and Idaho entertain 700,000 and Grand Coulee dam in Washington attracts 300,000.

An average Washington tourist crop brings 1,000,000 visitors, who spend \$56,000,000 each normal year in the state.

There is no doubt that Spokane is among the favored spots which attract tourists.

Oregon counts 900,000 tourists and estimates the business they bring at \$45,000,000 annually.

Washington issues 200,000 fishing and hunting licenses a year. It is estimated that 30 per cent of the visitors in national forests are fishermen.

Spokane—Statistical Summary

Altitude, feet	1,891
Area in square miles.....	41.37
Assessed valuation, 1941.....	\$74,798,336
Birth Rate	23.16
Bonded Indebtedness, April 30,	
1942	\$2,018,000
Banks	6
Bank Transactions, 1941.....	\$1,288,637,685
Bank Deposits, April 1942.....	\$99,389,753
Bridges	34
Concrete Walks, miles.....	768.44
First settlement	1872
Gas mains, miles	162
Graded streets, miles.....	577.9
Lumber Production, feet, 1941	
(Estimated)	2,055,350,000
Manufacturing Output, 1939.....	\$38,021,148
Mineral Production, 1941, (Wash.,	
Ida., Mont., and B. C.)	\$181,478,571
Population, 1940	122,001
P. O. Receipts, 1941.....	\$1,213,863
Public Libraries	13
Parks, acreage	2,725
Parks valuation	\$1,796,836
Railways, Transcontinental	5
Railways, Branch Lines.....	14
Public Schools	45
Public School Attendance, average	
1941-1942	15,052
Sewers, miles	301.1
Street Bus System, miles.....	93
Tax Rate (mills)	42.4
Telephones, in use January 1, 1942.....	41,273
Theatres	13
Water Power, Developed Horse-	
power (7 plants on the Spokane	
River)	183,000
Water mains, miles.....	483.7

And that's all about Spokane for the present because if we keep on writing we will find ourselves in the old Jeep headed toward this northwestern paradise.

Paragraphs About Presidents



George Washington was a man in the full breadth and depth of his being. Greatness did not lessen his human kindness and thoughtfulness. A little incident of the Revolutionary war illustrates this: A dog which followed American troops from the battle of Germantown was returned under a flag of truce with the following note from General Washington: "General Washington's compliments to General Howe. He does himself the pleasure to return him a dog which accidentally fell into his hands and by the inscription on the collar appears to belong to General Howe."

Five presidents served in the Civil war. They were Grant, Hayes, Garfield, Harrison and McKinley, who was the last war general to become president.

Three presidents were assassinated. Abraham Lincoln in Ford's theater, Washington, while attending a performance of "Our American Cousin." He was shot by John Wilkes Booth and died the next day. The crime was committed on April 14th (Good Friday). He was buried at Springfield. An imposing monument marks the spot. The coffin was partly opened April 14, 1887, to see if the body was there intact. This happened to be the anniversary of the shooting by Booth. The casket was again opened in 1901. These openings were to allay public fear and rumors that the casket had been tampered with.

James A. Garfield was shot July 2, 1881, by a fanatic, Charles Jules Guiteau, who was an unsuccessful seeker for a government position. The president was taken to Elberon, N. J., where he died September 19th. He was elected president in 1880 and was therefore inaugurated in March, 1881, and served less than five months.

Mt. Vernon, the home of George Washington, was built in 1743 by Laurence Washington, brother of the president, who gave the place its name after the admiral under whom the owner had served against Spain. George Washington inherited the property and went there to live in 1759. He died there in 1799. When Mt. Vernon was offered for sale in 1853 by John Augustine Washington, it created great agitation and objection from the public. The ladies especially resented the sale of the property and in 1858 formed the Ladies Association of the Union and

purchased the estate, made a shrine of it and continue to control it. It was a fine act on the part of the ladies. Their preservation of the home as a shrine has enabled millions of Americans to visit it in addition to many notable foreigners.

William McKinley was elected President in 1896, re-elected in 1900 and assassinated September 6, 1901, while attending the Pan-American Exposition in Buffalo, N. Y., by Leon Czolgosz. The assassin was quickly tried, convicted and electrocuted October 29, 1901.

Andrew Jackson, seventh president, was an uneducated man insofar as book learning was concerned but he made up for this with his abundance of practical experience and good common sense. His early life was one of hardship and poverty. He lived a frontier life as life was lived in his day, indulging in horse racing, gambling, swearing fluently and forcefully and fighting duels when called upon or justified, as he saw it. Be that as it may, back of it all was a strong character and a strong personality, to make a name that has lived in history and will continue to live.

It is our thought that Calvin Coolidge had a fine sense of humor though it may have been of the New England variety. There is the story of Senator Borah riding his horse past the White House, Coolidge saw him and turning to his secretary remarked, "astounding. I never before saw or heard of the senator going in the same direction with anybody or anything."

An artist was given permission to paint a portrait of the silent Coolidge. It was duly given a place on the White House wall. A Boston friend in the capital called on the president who mentioned the portrait and asked the visitor to look at it and pass judgment. Stepping into the room the president snapped on the light. The two gazed on the portrait for several minutes. Neither spoke. Suddenly Coolidge snapped off the light and in his dry way said: "So do I. Let's go."

Attributed to Coolidge are the following four bits of mottos which may be a reason for New Englanders frugality: "Eat it up. Wear it out. Make it do. Do without."

We are doing much the same thing now—not because we chose to—but because we hope, from a realization of necessity.

Veteran Ohio Plumber Dies at Age of 89



Theodore Ambruster never grew too old to work. As he appeared in his shop shortly before death.

Theodore Ambruster, Waverly, Ohio, died in the Portsmouth Hospital, January 19th, at the advanced age of 89 years. Readers of Mueller Record may recall an article which appeared in our November issue accompanied by a photograph of Mr. Ambruster who still manifested an active part in the management and work in his plumbing establishment.

He was a native of Chillicothe, Ohio, where he was born June 10, 1853, one of a family of eleven children. He had been engaged in the plumbing and sheet metal business in Waverly since 1882 and had lived in that town for a total of 62 years. He was one of the most widely known men in that section of the state of Ohio and was highly respected for his straight forward and upright character.

Sixty-two Years Odd Fellow

For sixty-two years he had been a member of Friendship Lodge IOOF of Lafayette, Indiana, into which he was initiated on Christmas Eve, 1880. About a year ago, accompanied by his son-in-law, A. F. Clark, he made a five hundred mile auto trip to attend a banquet of his lodge. Mr. Ambruster was a member of the Presbyterian Church of Waverly. His sons, Frank and Arnold, were associated with him in business.

Active to the Last

Mr. Ambruster devoted the greater part of

his life to his business and throughout 62 years he was seldom absent from his work shop. He was still on duty a few days prior to becoming ill. He is survived by his two sons mentioned above. His wife, Amelia, and three daughters—Mrs. George Greenwalt, Chillicothe, Ohio, Miss Frances Ambruster, Columbus, and Mrs. Alonzo F. Clark, of Waverly, one brother, William, of Chillicothe and one sister, Mrs. Walters of Columbus.

Mr. Ambruster was affectionately known in Waverly as "the grand old man," and "grandpa" by his friends and neighbors—names well deserved by his long, useful and upright life.

— VICTORY —

A Jew, a Scotchman, an Englishman and a Frenchman dined together. To everyone's astonishment at the close of the meal, the Scotchman spoke up demanding the check. Headline in the newspaper next morning—**JEWISH VENTRILOQUIST MYSTERIOUSLY MURDERED.**

Teacher: "Johnny, give a definition of Italy."

Johnny: "Italy is a country shaped like a boot and run by a Heel."

A good liar has a long memory.

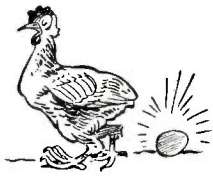
Animals In The News

The cat will mew, and dog will have his day.—Shakespeare.—Hamlet, Act V.

PROUD AS PEACOCK

This South American Hen Struts Because of Her Blue Eggs

This is a picture of a Araucuna hen. "Biddy" does not make much of a showing in the picture but her eggs are a beautiful blue and she is just as proud of them as if they



were the ordinary white eggs that we know so well. Note her proud and aristocratic Broadway strut as she completes the task. Incidentally the hen lives among a race of people not very well known. They occupy a territory of Chile, an area of 2,189 square miles. It lies between the Bis-Bis and Valdivia rivers, bordered on the north by Peru. The present province of Arauco was formed in 1875. The population is 60,233 and the capital is Libu. A large portion of the country is occupied by the Araucanians Indians, a hard fighting bunch and very courageous. They held out against the Spanish for nearly 250 years—1537-1773. In the latter year Spain acknowledged the independence of the four confederate states. The Araucanians are an undersized but vigorous race. Their chief is breeding cattle and vicunas. They are polygamists and in this they are like the hen that lays the blue eggs.

● Edward Loper, farmer, Princess Anne, Canada, had a dead owl which he was anxious to sell for \$700 dollars but found no takers. The night prowler got into Loper's hen house and by daylight had caused the death of 408 out of 500 fowls. Most of them were killed in their wild attempts to get out of the coop. Loper found the owl next morning and beat it to death with a club. This gave him some satisfaction, but not to the amount of seven hundred dollars, the sum at which he placed his loss.

— BUY WAR BONDS —

No man can think beyond his vocabulary.

Lose as if you like it, and win as if you were used to it.—Thomas Hitchcock.

Then They Are Natural

Man and woman can get along nicely as life partners, if they can avoid being bridge partners.

(Continued from page 3)

Finishing 41 Years

Samuel M. Yonker completes his forty-one years within a few weeks—April 24 to be exact. He is still hale and hearty and actively engaged with his duties every day. His first employment was in the brass shop where he had daytime employment until increasing business necessitated a night force and he held to that assignment for three and a half years. From this work he passed to the tool grinding room and there he has been ever since. In our brief interview with him he showed no special concern in the importance we placed on the family record. Rather he accepted it as a duty performed. That he felt a pride in it cannot be denied.

Speaking of himself and his long connection with the company he said: "I have never lost any time from my work except on regular vacations which the company allowed to all employees."

Found Company Fair

Regarding his relations with the company he said: "I've always found the Mueller Company fair, square and honest with their employees. They are a fine company to work for or to work with. It has been my experience that if you treat the company right and do your work to the best of your ability the company will treat you fairly and do the right thing by you. In all the years I have been on the pay roll I've never had a serious disagreement with a foreman, head of department or with a member of the company."

Began As Messenger Boy

To our trade and the public A. O. Yonker is probably the best known of this interesting family. He came to work for the company as a messenger boy and is now the head of the Water Works division in charge of sales. His combined service totals 29 years. As a matter of fact Tony's only job has been with the Mueller Co. This has brought him intimate business relations with an important division of the company's patrons. Personally he is a quiet and reserved man, whose business and his home claim his attention.

Another Messenger Boy

Gerald J. Yonker has filled several positions during his twenty years with the company, due to his knack of "fitting in". Like his brother Tony he came to the company as messenger boy at the age of sixteen. From that position he worked in both the shipping and traffic departments, which are closely allied in detail. In 1926 Jerry was offered a position in the New York branch. After investigating he declined the change and returned to his work in Decatur. In

(Continued on page 22)

(Continued from page 21)

both the shipping and traffic department he made himself valuable. In July 1942 he was transferred to the munition plant where he is now filling the position of receiving clerk.

Carl Francis Yonker, like his brother Jerry, began as an office boy, and worked in the ground key department and also in the munition plant as a lathe operator. He is the youngest of the brothers.

Louis Earl Ross, grandson, was called in to service to assist in inventory and from that duty was transferred to the factory where he is still employed.

The Yonker girls have had a commendable part in the service record. Mrs. Eleanor Ross was in the finished file department of the main office. Mrs. Marie Crabb was in the accounting department. They are the "veterans." Miss Geraldine Yonker is now in the main office, while Mrs. Mary Yonker is in the munition department.

Home Influence a Factor

Mrs. S. M. Yonker is one of the family never connected with the company. She had other obligations which she met successfully as a housewife and mother. Her influence on the home life of her children is reflected in their lives and conduct. The hand that rocked the cradle just as surely was a potent factor in moulding the conduct and character of her children. Their records are indisputable evidence of correct rearing under guidance of a watchful, loving mother, and for this she is repaid by the esteem and veneration in which they hold her.

— HIT HITLER HARD —

OUR COUNTRY'S CALL

Lay down the axe; fling by the spade;
Leave in its track the toiling plough;
The rifle and the bayonet-blade
For arms like yours were fitter now;
And let the hands that ply the pen
Quit the light task, and learn to wield
The horseman's crooked brand, and rein
The charger on the battle-field.

Our country calls; away! away!
To where the blood-stream blots the green.
Strike to defend the gentlest sway
That Time in all his course has seen.
See, from a thousand coverts—see,
Spring the armed foes that haunt her track;
They rush to smite her down and we
Must beat the banded traitors back.
Few, few were they whose swords of old
Won the fair land in which we dwell;
But we are many, we who hold
The grim resolve to guard it well.
Strike, for that broad and goodly land,
Blow after blow, till men shall see
That Might and Right move hand in hand,
And glorious must their triumph be!

—William Cullen Bryant

Souse Heads

S. H.: Fumbling at his keyhole in the small hours of the morning.

Copper: "Can I help you to find the keyhole, sir?"

S. H.: "Thash all right, old man, you just hold the house still and I can manage."

Good Trick

A man slightly soused tried to navigate a revolving door. Finally he gave up.

Another man walked into the door. As it revolved, a pretty girl come out from the other side.

S. H.: "It's a good trick all right, but I still don't see wha' the guy did with his other clothes."

Just Naturally Polite

St. Car Con.: "Did you get home all right last night, sir?"

Mr. M. After: "Of course. Why do you ask?"

St. Car Con.: "Well, when you got up and gave the lady your seat last night you were the only two people on the car."—Telephone Topics.

Patrick (reading): "Begorra, an' what does this here 'witching hour' mean?"

Mike: "Shure, Pat, an' you're ignorant. That's the hour when the wife greets you at two a. m. wid 'Witch story is it this time?'"

— VICTORY —

DIVORCE COURT

● Mrs. Vera Dowden, San Jose, California, told the judge her man socked her in the eye and there was a "black out" which required three beef steaks to bring the optic back to normal. Divorce granted. The judge may have been influenced by the high value of beef steaks under the rationing plan.

● The mills of Reno courts may grind fast but they grind decrees that last like any other court. Mrs. Tommy Manville, sixth wife of the mad marrying asbestos heir, who with a grim sense of humor or the possible recognition of fitness of things, sent the plaintiff a corsage of six beautiful orchids, which she wore in court. These were doubtless intended to be emblematic of the sixth venture into matrimonial realms. Upon receiving the decree Mrs. Manville boarded a fast plane for New York to keep a 7 p.m. dinner engagement with her former husband.

Hewn from Wilderness



—Acme.

THE ALCAN HIGHWAY

A 100-foot wooden bridge. More than 3,000 logs used in its construction. Note picturesque glacier peak in background.

One of the great engineering feats of 1942 was the building to completion the Alcan military highway and its opening for use on December first, six months earlier than the limit placed when the work was commenced. This gigantic undertaking is accepted as the outstanding engineering achievement since the building of the Panama Canal. The Alcan highway stretches from Dawson Creek, British Columbia, to Fairbanks, Alaska, a distance of 1,641 miles, every mile of which presented almost unbelievable obstacles.

Partnership Affair

It was built under the combined force of the U. S. Army and Canadian surveyors. There was some semblance of an old road known as the Alaska highway, but the new road has been re-christened and is officially known as "The Alcan Highway." When it has fulfilled its military mission the road will be taken over by the Public Roads Administration and will become a public lane making it possible for motorists to drive to the Arctic Circle. The road in its completed state will follow the route already laid out with few exceptions.

Mostly Two Lanes

As finished by the army engineers the road is partly surfaced with either gravel or macadam and most of it is of two lane construction, except through mountainous section where it is confined to one lane. The lanes are 24 feet in width. The road now



—Acme.

A steep grade on the new Alcan Highway connecting U. S. with Alaska through northwestern Canada now in use. Grade reduced by moving earth from top of hill to bottom. Such fills were numerous. The road passes through dense wilderness at many points.

connects with routes to Canadian and U. S. cities. It also connects with two railroads—at Dawson Springs on the south with a branch line of the Canadian Pacific and at Fairbanks on the north with the Central Alaskan railroad.

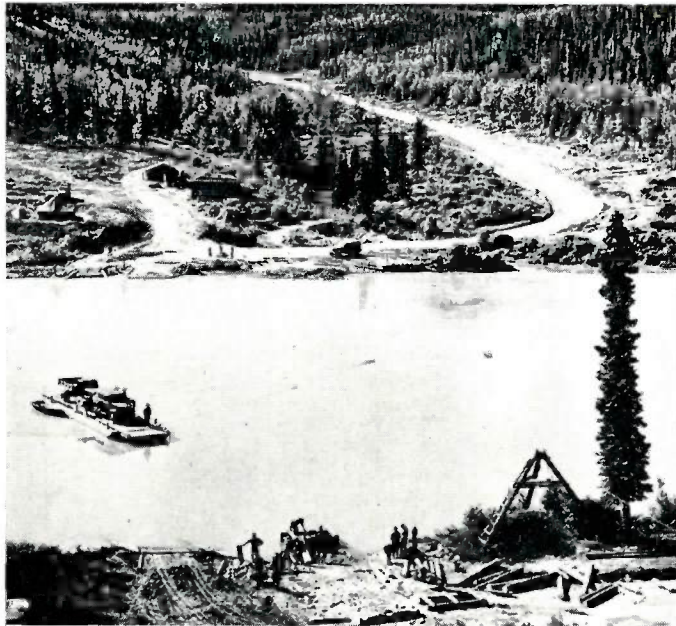
The obstacles and hardships which attended this gigantic improvement are impossible of adequate description as every mile forward brought forth incidents worthy of an individual article with detail description.

30 to 40 Below

There were accidents of course. There was suffering from the intense, penetrating cold, which enveloped the workers day and night and what grumbling there may have been was each one's own trouble. We wiggled around during the winter just ended and called zero weather "cold" while those hardy, adventurous souls on the Alcan highway, were sleeping in tents and shacks, buckling into 30 and 40 degrees below as a regular day and night part of the job. In addition they faced the arctic region phenomena of almost twenty-four hours of daylight.

As a rule daylight is not conducive to sleep where an able bodied American is concerned.

The road was literally hewn out of the wilderness. The force included 10,000 soldiers and two thousand civilians. The rate of progress was on an average of eight miles per day. The numerous streams encountered necessitated the building of two hundred bridges.



—Acme.

A typical Engineer ferry utilizing speed of current to force its way across by the use of a cable stretching from shore to shore.

Highest Point

The highest elevation of the road is given at 4,212 feet. There are many steep inclines but easily ascended by a car in proper condition. In discussing this road Secretary Stimson said, upon its completion, that thousands of trucks would travel the highway all winter carrying soldiers and supplies to Alaskan points and the road would provide for the returning trucks to bring back strategic raw materials.

Twelve hundred miles of the road runs through Canada.

Common Sense vs. Diplomacy

At any other time this fact would have doubtless raised diplomatic negotiations and as we all know when such questions are injected into a problem it takes a long time to bring the diplomats back to solid ground. The war changed that possibility in some particulars. The question of the United States crossing another country with a military road was left to common sense rather than to diplomacy. Canada readily agreed to a right of way for the duration. When the war ends the care of the road through the Dominion revert to Canada but the U. S. retains certain rights of transit which guarantee our use of the highway.

We have watched the progress of the work on the highway from the beginning. We had a particular and somewhat personal in-

terest because Billy Draper, formerly of this organization was one of the soldiers working on it. Billy's first job with us was during summer vacation and that job was in the department supervised by the writer. He is a son of Carl Draper, head of our plumbing division and well known to the trade.

By the time this Mueller Record reaches you we expect to be shaking hands with Billy.



—Acme.

Attention of office workers who demand 80 degrees heat. These office men are wrapped in heavy clothing for protection from the cold of "Canadian Spring." Left is Private William Verayeyden of St. Louis and right, Pvt. Louis Brady doing "office work."

RATIONING NOT NEW

It Was Introduced in Former War by President Wilson

Why the yipping and yapping about rationing. There is nothing new about it, nothing that we cannot survive and outlive. The idea is not original. President Roosevelt "did not see it first."

Neither is there anything new about prefixing the word "Victory" to various undertakings. The trouble with most of us is that our memories are short-lived. When we get safely out of the "trouble-puddle" we are not occupied with things twenty years or more back.

Rationing was resorted to in the first World War by President Wilson and his advisers. Perhaps it was not so wide spread and perhaps we accepted it more gracefully than at present, but we submitted rather good-naturedly. The proof of all this is in the following item found in a "Twenty-five years ago Column," dated January 27. It reads:

"American people are going on a war 'bread diet' tomorrow as part of a war rationing system prescribed by President Wilson and the food administrator. It will be called 'Victory' bread, substitutes for wheat being used."

Oh, Hum! there is nothing new under the sun. When President Wilson's order went into effect there probably was more rag chewing than there was bread chewing.

We are a nation of chewers—gum, tobacco and rag and the habit cannot be rationed—or muzzled.

Speaking of rationing recalls an old story regarding food limitations which can be used in this connection to illustrate and illuminate the subject in hand. A meticulous gentleman from New York dropped into a restaurant in a small western town for breakfast. He picked up the menu and chuckled at his good luck. It was equal to anything he had ever encountered in the Waldorf-Astoria. The grim looking waiter was entirely out of harmony with the elaborate menu. The New Yorker carefully read over the menu picking out a somewhat long and elaborate breakfast. He hesitated when he noticed the grim of the waiter growing grimmer and he gasped when the tray carrier blurted out in language that did not require an interpreter "Take ham and eggs you so and so, that's all we got." With Uncle Sam as a waiter under rationing we are told the same thing with as much vehemence as the restaurant waiter only in a more diplomatic way.

It is simply a case of take it or leave it.

GEORGE J. ROHAN, WACO, TEXAS



George J. Rohan

George J. Rohan has been superintendent of the Waco, Texas, water works since 1932 until the present time. Now he has been called to fill the important office of secretary-treasurer of the Southwest Section of the American Water Works Association, succeeding the late Louis A. Quigley. The committee making this

selection had a puzzling task. A number of names of men prominent in water works affairs in the southwest section came before the committee, but always before the members was the name of Mr. Rohan, and to him the honor finally fell.

His record in his chosen profession is outstanding, and leaves no doubt of his fitness for the position.

Mr. Rohan was educated at the University of Cincinnati and has had experience in construction work of various kinds. He became superintendent of the Waco plant in 1932, and the results he has achieved are sufficient proof of his managerial abilities. He was president of the Texas Section of the old Southwest Water Works Association, 1934-35, and became president of the Southwest Section of the A.W.W.A., 1935-36. He served continuously on the Board of Directors of the Southwest Section, A.W.W.A. (formerly Southwest Water Works Association) since 1933. In 1940-42 he was a director of the American Water Works Association. His memberships follow: Publication Committee, Southwest Water Works Journal; Publications Committee, American Water Works Association; Committee on Municipal Water Works Organizations, A.W.W.A.; Committee on Meter Specifications, A.W.W.A. And then came the recent tribute to his ability by his selection as Secretary of the Southwest Section, A.W.W.A.

The Record joins his many friends in the greatest of all public utilities in extending sincere congratulations with certainty of his living up to the highest ideals of his profession.

— BUY WAR BONDS —

When a woman's toe sticks out of her shoe, she's fashionable. When a man's toe sticks out, he's a bum.

An Illinois town with no crime problems donated twelve tons of cell metal from the local hoosegaw to the salvage drive.

BRIGHT DAY DAWNING

**Fred L. Riggan Formerly of This
Company Becomes Song Writer**

Quite a few of we old timers in this organization remember Fred L. Riggan, stenographer in the advertising department and later assistant to the late Robert Mueller, secretary of the company. None of us, however, ever suspected him of possessing the subtle art and pleasing skill of song writing. In fact Fred was never heard to even sing "Hail, Hail, the Gang's All Here" or in the late hours of the night join in warbling in uncertain tones, "Sweet Adeline." This was not because he was unable to carry the tune but for the much better reason that Fred was not addicted to absorption of the provocative indulgence in the main spring of that kind of music.

Well Acquainted With Notes

It is more nearer the truth to credit his advent in the song writing effort to the fact that for years he was accustomed to jotting down notes. These were, it is true, stenographic. They were in a sense symbolic of a combination of sweet sounds even if lacking in harmony, melody and appeal of a musical composition.

Fred was a stenographer long before the field was invaded and captured by the girls, and we have heard him under his breath when deciphering his curious marks utter imprecations which sounded like anything but concord of sweet sounds.

Tells of His Song

Be that as it may, we are pleased to know that he has written a song, "There is a Bright Day Dawning." The title sounds good and we hope the song goes over with a bang.

It was while Fred was still with this company that the Mueller, Ltd., Sarnia, Ontario, plant was established and he went there as assistant to the late Oscar B. Mueller, who was the manager of that enterprise. When the Port Huron plant was built just prior to the former World's War he crossed the river with Oscar and has since lived in the Michigan city.

Becomes President

Upon the retirement of Oscar Mueller several years ago Fred became president. Although he has been associated with Mueller enterprises for about forty years. The title of the song seems to breed confidence in the victory we all pray for. Who knows but what it may be an influence in bringing back this war torn world to comfort, peace, quiet and happiness.

We hope so.

WAS A SENSATION

**First Train Into Charleston Was a
Curious Affair**

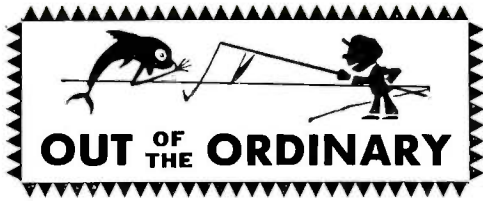
The railroad train was a big sensation 102 years ago, when it pulled into Charleston on Christmas day in 1830. By comparison with the train pictured it is apt to provoke a smile. It was called "Charleston's Best Friend" and it was the first locomotive to be placed in regular service on any railroad of that day. It was built at the West Point Foundry, New York, and was put in service on the South Carolina railroad (now the Southern) at Charleston, December 25th, 1830. Primitive as was the engine and the cars, the train was hailed with delight by the assembled citizens. Ten years later locomotive building had made tremendous advances and in shape and general appearance looked more like the locomotives of today although much smaller and with limited power. The big locomotives of today are marvels in size, power and speed. Without these monsters at the present time the country would be greatly handicapped in war activities. It is the present type of locomotives which enable railroads with fewer cars than they had in 1917-18 to move more freight trains without congestion or delay and run more miles than ever before in any year.

In the first eight months of 1942 the American railroads turned out 1½ times as many ton miles of freight transportation service as in the peak traffic year of the first world war. In the same period of time they moved on an average of ¼ million tons of revenue freight one mile every minute of the day and night.

Chicago is still recognized as the greatest railroad center in the world. Any one who travels can easily realize this truth. Of this statement made by the railroad authorities, between 3,000 to 4,000 passenger and freight trains leave and enter the city daily.

There are 1,500 railroad tunnels in the United States. Some are long and some are short but placed end to end they would have a total length of 1,320 miles. The Association of American Railroads advises us that the longest tunnel in the U. S. is the Cascade in Western Washington. It was completed in 1939 and is 7.8 miles in length. It is the longest tunnel in the Western Hemisphere.

Steel freight cars were first constructed in this country in 1896-97. The first four cars of this kind when completed were immediately put in service. Now they are being dismantled for America's steel scrap drive.



Two Inches Broader: Seats in Chicago buses are two inches wider than usual to accommodate passengers broad of beam.

Pearl Diver: George E. Olsen, San Francisco automobile dealer, bit into an oyster and took out of his mouth a pearl valued at \$1,000. Very profitable puncture.

Out of Knives: Longmont, Colorado, hardware dealers can't produce a single hunting knife. The Elks bought all of these and sent them to soldiers in the Southwest Pacific.

If You Have Nerve: A list of Iceland stamps available to collectors from Frimerkjassalan, Direction Generale des Postes, Reykjavik. Write for them if you've got the nerve to tackling the spelling.

Millions for Negroes: The state Supreme Court has passed on the Kolvin estate case and two negroes of the Kansas City Packing house will divide one-half of \$7,413,286. That's what you might call a windfall. The other half of the estate will be divided between 48 heirs.

Saluting Profitable: Observing army rules pays. Corporal George J. Griffin, Fort Benning, Ga., smartly saluted a passing lieutenant, who stopped him and handed out a dollar, explaining "just got my bars and you are the first soldier to salute me."

Penny Pincher: James A. Taylor, a St. Louis machinist, never spent a penny in his life. As a boy his father gave him a pig-shaped savings bank, with the advice "to fatten it." Following this advice through life, Taylor has always saved pennies—how many he refuses to state but he admits that at 48 years he is now spending them for war bonds.

Firemen and war aid wardens, Newington, Conn., answered an alarm. When they reached the house they found that six-year-old Gayle Grant had opened a faucet and could not close it. The bath and lower rooms were being flooded and they squeezed enough water out of Georgie to do the family washing.

How They Get Gags: A sister-in-law of a popular radio artist has sued him for a considerable sum in payment for time clipping and classifying jokes from any and all kinds of publications, even house magazines. We know about the last named by experience. At one time we kept on our mailing list a very popular radio trio for no other reason than that they wanted the jokes published. This may be a little back-stage but then ninety per cent of the bright quips over the radio are not original humor. Of course the way in which the artist puts them over helps you to stretch your face, at least smile.

Help! Help! John E. Elder, Broken Bow, Okla., aged 83, procured a license to marry Dorothy May Childers. At least Elder was not sailing under false pretenses. The girl's parents gave their consent. Elder said he was marrying the girl because he needed some one to take care of him and in lieu thereof he was going to leave his home and what money he had to the child wife in name only.

Twenty Grand: George Adams of Auburn N. Y. recently became the father of the twentieth child—twelve living at home. George is a philosopher as well as a truck driver. He figures "that the war will toughen up a lot of people and a good thing to strengthen the fiber of the country is large families. He isn't worrying "because the family is doing nicely, healthy and contented and know how to stretch a dollar."

Ten High: Joseph Status, of Patterson, N. J., father of nine children, came home and found his wife missing. He appealed to the police, who found Mrs. Status in a maternity hospital and in addition another eight pound Status. The status of the family is now fixed—Ten high.

Trash: Mrs. Catherine Tardy heard a muffled whimper in a trash box. Looking in she found a shopping bag. She thought there was a kitten inside but on opening the bag she found a pair of pink panties in which was wrapped an 8½ pound baby boy about an hour and a half old. Last report from the hospital was to the effect that the infant was doing well. The usual newspaper practice of including the mother is omitted. She is unknown.

Fightin' Family: Private Paul Coderre, Army Air Force, Chanute Field, Urbana, Illinois, comes of a fighting family. He has 23 cousins in the armed forces of Canada and seven more in the U. S. forces. Add Paul and the total jumps to forty-one. The Coderre family is of French Canadian descent.

(Continued on page 28)

TO VISIT EIGHT STATES

**Lee Harvey, Retiring Superintendent,
Conneaut, Ohio, Will Fulfill
Long Cherished Plan**



Lee Harvey

looked a bet. In consequence he is going to visit the remaining eight.

Farewell Testimonial

At a farewell gathering in the Conneaut City Hall Mr. Harvey was presented with a fine leather traveling bag, with an engraving thereon of his initials and also a leather billfold. Mr. Harvey was one of the oldest municipal employees in point of service in Ohio. In addition to his municipal duties he was prominent in public affairs, serving on the Board of Education and identified with practically every movement for the advancement of Conneaut's interests.

Good Background

Mr. Harvey is a graduate of Clark's College, Erie, Pa., took a course in hydraulic engineering and water purification at the American School, Chicago, and is a senior member of the American Association of Engineers, a fine foundation for his chosen life's work. For twenty years he superintended improvements in the water works plant and was retained when the city of Conneaut in 1921 took over the plant. From that date he has seen many changes, including the electric automatic system of 1934. He has seen the plant increase financially from \$13,000 annual receipts to the sum of \$90,000. For many years he has been a member of the American Water Works Association and is widely known by water works men throughout the country.

Regarding Mr. Harvey's visit to the eight missing states we lay a wager that he may overlook some points of interest but not water works—they are in the blood.

Sure Bet

Speaking of his retirement the Conneaut paper says editorially:

"Down through the years, he has experienced all the complex problems that go hand in hand with operation of a public utility, one of the most important of which is water supply. Throughout his entire career, he has kept pace with developments in the important field he supervised with a result that Conneaut today has excellent service.

"Men of Lee Harvey's type are few and far between. Conneaut can count itself fortunate to have benefitted by his faithfulness and energy throughout so many years."

— SLAP THE JAP —

(Continued from page 27)

Protection from Birds: One hazard of airplanes is high flying birds. They collide with and shatter windshields. Now a bird proof glass has been developed. Its outer-layer is a single sheet of full tempered glass, an air space and then an inside panel of two sheets of glass. These are laminated and are seven times as resistant to blows as the ordinary glass.

Brothers Surprised: The Peterson brothers unexpectedly met in a Casablanca cafe in North Africa. They were Lieutenant C. A. Peterson of the army and Dale Peterson of the navy. They had not met for four years.

Deputy P. M.: Mrs. Jennie Hill died at Waynesville, Ill., aged 99 years. She was once deputy post mistress at Cuba, Ill., under the administration of President Lincoln.

Will Pass—Not Preach: Rev. Wayne Newcum, Christian Minister, Carthage, Ill., has resigned to take a position in the Indianapolis war plant. The pastor is going to pass the ammunition.

— VICTORY —

JUST RAIN DROPS

A scientific item gives us the information that a rain drop does not get larger than one-tenth of an inch. Never having stopped in a rain storm to count and measure the rain drops we are unable to combat or verify this statement. We feel that had we done so, some one would have said that we did not have sense enough to come in when it rained. Then we feel quite sure had we been left to the task some other unsympathetic wisecracker would have yelled "nuts." By a simple mathematical process, however, we find that a man 6 feet tall would in smaller measurement be 72 inches in height and therefore 10 raindrops to the inch means that he was pelted by 720 raindrops or going a little further if he remained out 30 minutes the total would reach 21,600 drops. It would then be time to bring him in and run him through the clothes wringer.

STRANGER THAN FICTION

Is an American Army Fighting in North Africa

Truth is always stranger than fiction. Present times proves it. Who of us a few short years ago possessed the acumen to foresee our sons and sons of our friends in Africa, fighting foreigners, mingling with strange people and living under strange conditions and customs. A year ago it would have been classed with fantasy or remembered as a bad dream, but today it is a reality.

There is this about it, however. Those of the boys who come back will have had an experience in that far off country which in peace times comes to a minimum of Americans.

Theater of Many Wars

Northern Africa has been the theater of many wars. Known as the Barbary States, which included Tripoli it was occupied by a murderous class of people and pirates who would as soon stick a dagger in you as eat a meal. This country was previously known as Mauratania, Numidia, and Africa Propia. Colonized by Moors, Numidians and Phoenicians it reached its zenith under the Carthaginians and was subject to the Romans from 146 B.C. It was taken from them by vandals 429-533.

Arabs Drop In

During the seventh century it came under the sway of Arabs. War between the Christian powers and the Barbary States was chronic from the beginning of the 15th century to the beginning of the 19th century. The Barbary States made it their business to seize trading vessels and even small war vessels confiscating all cargos and reducing to slavery and holding for ransoms the prisoners taken. Gradually a practice was established of paying tribute to secure immunity from the pirates. Vast sums in the aggregate were paid in this way. Treaties were made only to be disregarded. Tripoli dissatisfied with the treaty of 1797 declared war against the United States. This war continued four years before Tripoli was brought to terms.

During our war with Great Britain in 1812 Algiers seized the opportunity to commit depredations on our shipping and in 1815 we declared war against that country.

Commodore Decatur

It was during these wars that Commodore Decatur found his niche in the hall of Fame. During the Tripolitan War 1801-1804 he served under various commanders. On February 16 1804, at the head of a small party

he entered the Tripoli harbor, boarded and burned the captured Philadelphia, making his escape in a small boat under heavy fire. In the Algerian War in 1815 he captured two of the enemy vessels and on board of his flag ship Guerriere negotiated a treaty of peace whereby the Dey of Algiers agreed that never again should tribute be required by Algiers from the United States.

Commodore Decatur then obtained indemnities from Tunis and Tripoli for violating treaties. Can you blame us for the pride we take in our city named after the great naval hero. Stephen Decatur was a commodore by courtesy. At the time the highest rank in the navy was that of captain.

Italy's Empire

Tripoli or Libia or Libia Italiana passed to Italian rule in 1912. The country stretches 1,000 miles along the north coast of Africa between Tunis and Algeria extending inward about 899 miles. Its population is about 100,000 mostly Berbers people of Hamitic race. Invasions of Arabs in the first and second centuries and the Moslems in the seventh and eleventh centuries forced the Berbers inland. The blue eyes and light hair of the Berbers gives rise to the widely accepted theory that they form the original stock of European races.

Some Credit to Italy

According to authorities the Italians since possessing Tripoli have inaugurated many improvements but that is all in the bag now and lifts one worry from Mussolini's weary head. Sheep and cattle are raised in considerable numbers in Tripoli. There are hardy breeds of horses and mules, fisheries on the coast and the sponge industry is quite important. Chief exports are barley, cattle, and sheep, ivory, ostrish feathers, esparto grass, skins and hides, sponges and rubber.

Two Governors

Tripoli has been administered under the Italian system. Cyrenaica and Tripolitania each have a governor, a secretary general for civil and political affairs, a chief of the political office. Large military powers have been given the governors.

Tripoli the capital city is situated on the coast. It owes much of its importance to the fact that it is the gateway to the Sahara. Its harbor has been dredged to a minimum of twenty-four feet. The city has a modern sewerage system, a quarantine station and a large hospital. The capitals of Tripolitania are the city of Tripoli and Benghazi. The city according to the last census ten years ago, is given at 60,000 but a recent newspaper article gives it 100,000 which is quite likely nearer correct.

— BUY WAR BONDS —

A good cause makes a strong arm.

FROM FOREIGN LANDS

This Magazine Reaches Many Distant Countries—Even China

Among the many fine letters that reached our desk recently is one from far away Honolulu written by Mr. Howard Godfrey. It had been passed by the censor judging by the stationery. Mr. Godfrey is connected with the "Contractors Pacific Naval Air Bases." We take the liberty of reproducing his letter:

"This is just a simple, hurried-off letter of my appreciation and sincerity in saying that I have received your interesting magazine for nearly three years now, and as I remember it, and hope that you will continue sending it to me as long as it exists. I have spent enjoyable hours going over it page by page, article by article and always awaiting the issue following. Keep up your interesting literature for which I cannot suggest or recommend ways and means of improving its contents. Thanks for the consideration rendered me and I hope for its prolongment."

Reaches Many Different Countries

It may interest our readers to know that the Mueller Record goes to many foreign lands, including among others England, Porto Rico, Mexico, Brazil, Peru, Hawaii, Canal Zone, Alaska, and China. One request to be included in the Record readers came from a Chinese who knew of it. The letter was written in good English but to the signature in English was added his name written in Chinese. We presume it was his name. We accepted the English signature and called it a day.

Sends Record to Daughter

We have received quite a few interesting letters and cards from readers since we suggested the following which was printed on the Mueller Record cover:

"After reading this Record mail it to some one in the U. S. Armed Service."

One of these letters came from Earl P. Dudley, Captain Engineers, A.E.F. No. 1, now Mining Engineer, Kellogg, Idaho. He says:

"I grew up in Spring Valley and Princeton (presumably) Illinois. My copies of the Record go to my daughter, a naval nurse, whose address is Miss Mary Dudley, Ensign N.C. U.S.N., care fleet P. O., San Francisco, Calif. She lives in a house with moss roof and tin sides."

Brief as the note is it indicates two things. A thoughtful father who was once in the service and doubtless knows the tedium of prolonged separation from friends, home and native land. He also appreciates the reading

hunger of those in the service. Judging from the description of his daughter's present habitat she must be in active service somewhere in the Pacific. We hope that she receives the Record and that in her brief respite from active duties that it will give her a few moments of pleasure.

— SLAP THE JAP —

GOOD TIME COMING

Plumbing Will Be Found in All Houses Built

The time is coming when every house will be equipped with plumbing. In fact it is here now with those builders who know of the added value it gives to a home. No owner would now build for himself and family a home, no matter how modest it might be, without adding plumbing as one of the inescapable necessities for convenience, comfort and health. That plumbing contributes to all these has been proved beyond any question of doubt. Realtors with houses to rent have many times told us that the first thing a prospective tenant demands, especially the housewife, is to see the bath room and kitchen. The woman above all others knows the advantages of these two rooms. They not only combine all the qualities mentioned but they remove the burden of recurring unpleasant work. No greater discomfort can be imagined than that which comes to a family that has enjoyed plumbing in a home than to move into a house in which this great blessing is absent. With the war ended and building again taking its natural course we predict that houses without plumbing will not be built. Modern plumbing should be a requirement in the building code in every town and city.

— VICTORY —

THANK YOU GRAMS

We all receive letters which do not call for a reply beyond a courteous "thank you," which would be readily given had the message to you been expressed orally. Two individuals have solved this necessary business courtesy. They are E. R. Harlan, secretary of the Boise Chamber of Commerce and J. Kennard, general manager of a like organization in Miami, Florida. The first named is credited with putting the idea in practice. The plan consists in keeping on the desk a pile of post cards bearing the printed words "Thank-You-Grams." In answering letters which calls for nothing more than "thank you" the cards are used for acknowledgment, sometimes with an added scribbled word or two. The card is certain to get attention from the recipient. In addition to courtesy, it's good advertising.

MUST BE RESOURCEFUL

Manufacturers in the Role of Rapid Change Artists



Manufacturers must be resourceful. Without that gift there would be more of them put out of business than there are now as a result of war, panic and hard times. Our authority does not give us the name of the man who proved equal to bothersome problems. He was building a new egg drying plant when he was suddenly jammed into a corner of doubt and uncertainty because of inability to get rollers for a necessary conveyor. Without this his plan and work already completed fell flat. It looked like a shut down and would have been had not his resourcefulness led him to a successful plan. Something whispered to him to try roller skates, and he clung to the hunch. Next day he bought up a hundred or more pairs of these skates and used them under his conveyor. The scheme worked like the skates had been purposely designed for conveyors. You can't keep a resourceful man down. Impossible. The fact has been proved time and again.

— BUY WAR BONDS —

CATCH PUBLIC FANCY

Names and Not Numbers Make Strong Advertising Appeal

Every advertising man who was in the business when automobiles were first offered to the public remembers the futility of the early campaigns and the waste of money trying to win public favor. The advertising was purely technical and mechanical. It dealt with length of wheelbase, power of engine, engine stroke, and other endless technicalities which did not interest the prospective buyer in the least because he did not know what it was all about. This might have been of interest to those who were mechanically-minded but it was too much for the average person. It was all Greek to him.

When real advertising men took up the problem of putting the automobile over with the public, they made their play on beautiful lines, luxury, comfort, speed, easy driving and other points easily understood and appreciated by the man who really hankered for an automobile.

Fancy Advertising

All this play by the advertising men was emphasized by advertisements of two or three colors, beautiful cars flashing along the highway or posed in some eye catching bit of scenery. All of this appealed to the natural desire to own a thing and was so adroitly done that it actually appealed to the public at large. It was the first step in creating popularity of the auto. The builders may have known the strong mechanical points of their product but the advertising boys knew human nature and how to create desire.

Airplane Something Like It

The airplane is somewhat in the same groove as the auto was in the beginning. Of course there will be no such demand for planes, but the public knows little or nothing from numbers or insignia. Names at once appeal. England found this out before we did. Their planes carry such names as Hurricane, Spitfire, Mustang and Havoc, the last two applying to American made planes. Now American builders are following this plan. Here are names already adopted: Lockheed's Lightning, Airacobra and Curtiss' Mohawk.

Railroads Know Value of Names

Railroads long ago learned that names given trains meant a lot to the travelling public. Formerly all that was known of a train was its time card number which might be one, two or three numerals. The public knew nothing about them or could not remember them. When names were adopted the public quickly became acquainted with the best trains on which to travel on and could differentiate between a fast train or one of the slow pokes. One of the early trains named was the Wabash Banner Blue, running between Chicago and St. Louis. Along the entire line patrons were quick to grasp the fact that the Banner Blue was a first class, fast train with all the comforts for travelling. Now all the good trains are named and the traveller picks his choice by name and not by number such as Chief, Twentieth Century Limited and Katy Flier.

— SLAP THE JAP —

RUIN OR SUCCESS

A nation is not worthy to be saved if, in the hour of its fate, it will not gather up all its jewels of manhood and life, and go down into the conflict, however bloody and doubtful, resolved on measureless ruin or complete success.—James A. Garfield, 1864.

In The Army Now



Time to Give Thanks

Corporal (at dance): "Do you see that old buzzard over there? He's the meanest officer I ever saw!"

Girl: "Do you know who I am? I'm that officer's daughter."

Corporal: "Do you know who I am?"

Girl: "No."

Corporal: "Thank God."

Safest Place

General: "Well, my man, you have stuck by me well during this engagement."

Colored Soldier: "Yes, suh! Mah ol' mommer back in Alabama done tol' me to stick wid de generals an' Ah'd be OK. Dem generals nevvah gets hurt, she says!"

Vitamin B

Shavetail (finding a bee in his stew): "Hey! What's this?"

Mess Orderly: "Vitamin Bee, sir."

Protecting the Baby

Young Wife: "Now, Bill, I want you to go around to the minister and arrange for having the baby christened."

Bill (battle ship worker): "You mean to say you are going to let somebody hit that little thing over the head with a bottle?"

"Snuck" Up on Him

Lady: "How were you wounded, my kind man?"

Soldier: "By a shell, lady."

Lady: "Did it explode?"

Soldier: "No. It crept up close and bit me."

Wise Boy

A small boy, leading a donkey, passed an Army camp. A couple of soldiers wanted to have some fun with the lad.

"What are you holding on to your brother so tight for, Sonny?"

"So he won't join the army."

Right Place, Maybe

Mess Cook: "Did you say you wanted those eggs turned over?"

Hard-boiled Gob: "Yeah, to the Museum of Natural History."



Fire Hydrants are like friends—there's a big difference between them. Some are the "Fair Weather" type, and others are loyal and will serve you unhesitatingly when you need them most. Choose your hydrants as you choose your friends. Choose them for their inherent qualities, for their reputation, for their dependability. Know that your hydrants will stand ready to serve you like a loyal friend. Choose Mueller-Columbians.

MUELLER-COLUMBIAN FIRE HYDRANTS

MUELLER COLUMBIAN GATE VALVES

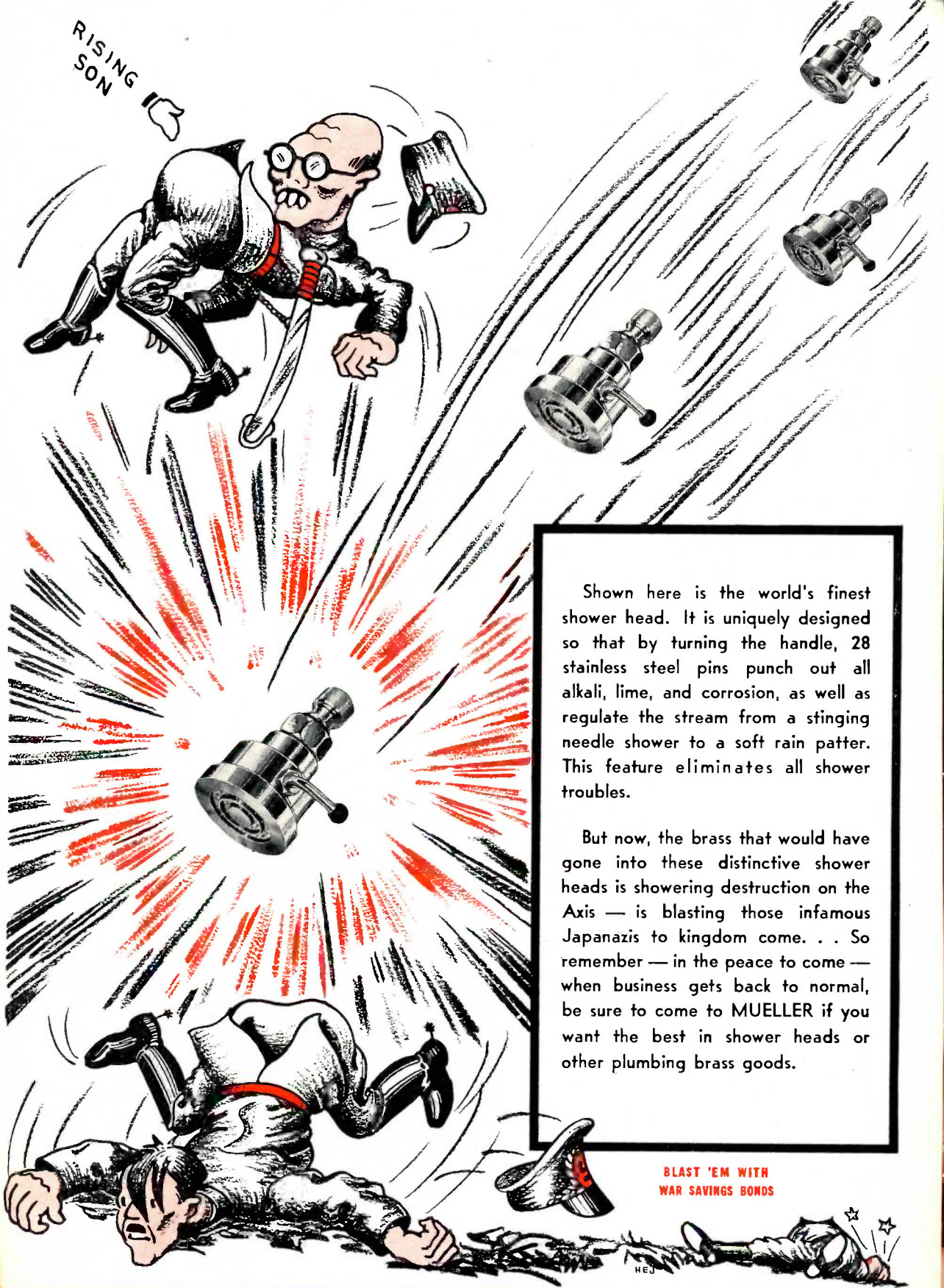
Mueller-Columbian Gate Valves have many exclusive points of design and construction that lower maintenance costs and eliminate the necessity of frequent repair. They exceed A. W. W. A. specifications in many respects.

MUELLER CO. Chattanooga, Tenn.



MUELLER COLUMBIAN

RISING
SON



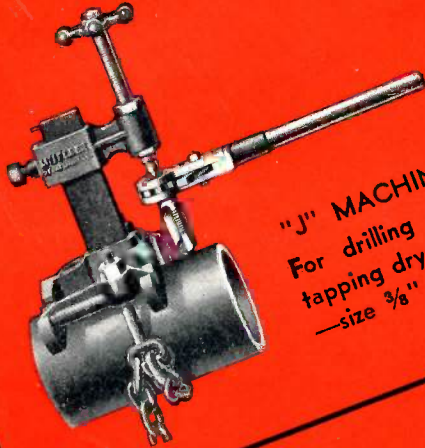
Shown here is the world's finest shower head. It is uniquely designed so that by turning the handle, 28 stainless steel pins punch out all alkali, lime, and corrosion, as well as regulate the stream from a stinging needle shower to a soft rain patter. This feature eliminates all shower troubles.

But now, the brass that would have gone into these distinctive shower heads is showering destruction on the Axis — is blasting those infamous Japanazis to kingdom come. . . So remember — in the peace to come — when business gets back to normal, be sure to come to MUELLER if you want the best in shower heads or other plumbing brass goods.

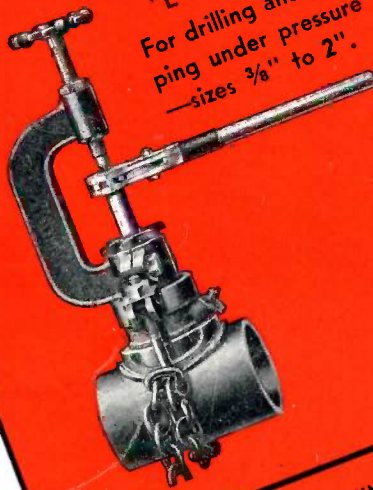
BLAST 'EM WITH
WAR SAVINGS BONDS

MUELLER CO. ★★ DECATUR, ILL.

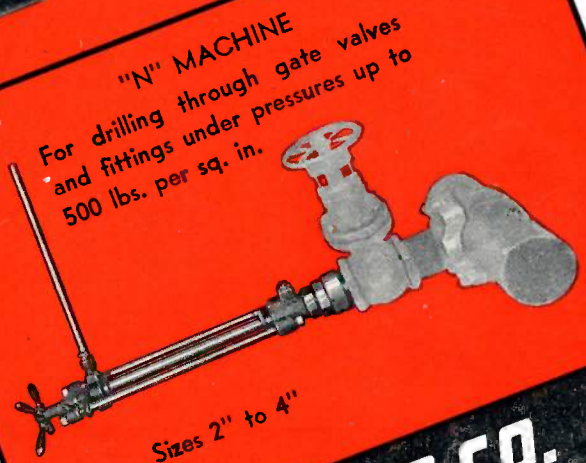
GET READY FOR SPRING



"J" MACHINE
For drilling and
tapping dry pipe
—size $\frac{3}{8}$ " to 2".



"L" MACHINE
For drilling and tap-
ping under pressure
—sizes $\frac{3}{8}$ " to 2".



"N" MACHINE
For drilling through gate valves
and fittings under pressures up to
500 lbs. per sq. in.

Sizes 2" to 4"

Each MUELLER machine is fashioned to meet a particular purpose. The heavy, rigid construction provides for a maximum of hard usage. Each is adapted to several sizes and kinds of pipe. We have other styles and sizes not shown here. A post card will bring details . . . You can't go wrong with a MUELLER Machine.

With spring comes many new connections, extensions, and oftentimes emergencies. A sure way to be prepared for these is to have a MUELLER Drilling and Tapping Machine on hand. Or, if you already own one, see that it is always in good repair and keep the tools sharp, thus having it ready for action when needed.

*Write for
Catalog*

MUELLER CO.
DECATUR, ILLINOIS