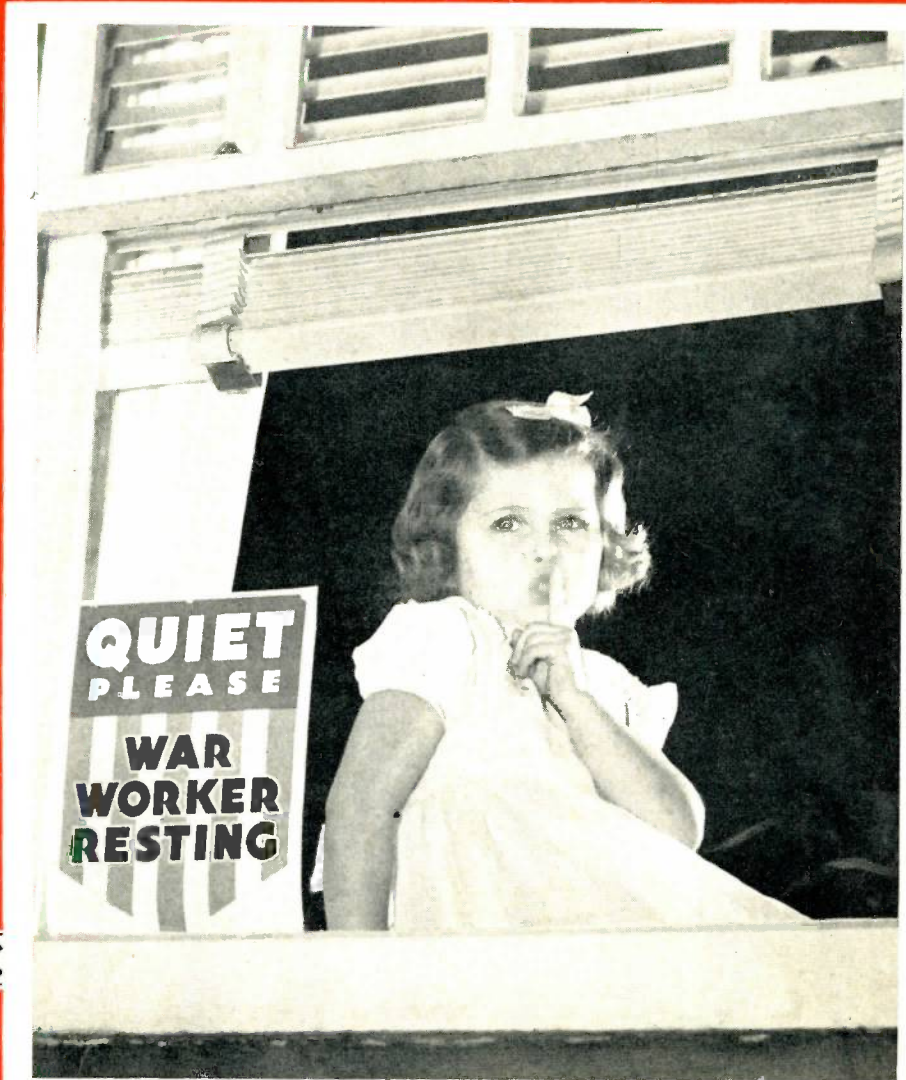


# MUELLER RECORD

PUBLISHED AT DECATUR, ILLINOIS



ON GUARD DUTY

SEPTEMBER, 1943

# The BEST CONNECTION

Bell and Spigot Outlet, test pressure, 300 lbs. Water working pressure, 150 lbs. Special types for higher pressures.

Flanged outlet sleeve and valve for same range of pressures as bell and spigot outlet type.



H-605 Sleeve



H-655 Valve



H-610 Sleeve



H-660 Valve

## -- and the QUICKEST

**T**HROUGH the many years of intimate contact with the practical requirements of the field, Mueller Tapping Sleeves and Valves incorporate the features of design and construction that enable the man on the job to make far **BETTER** tapping connections in far **LESS** time.

The sleeves are easier to handle. Bolt heads are locked by the sleeve casting and never turn when nuts are drawn up. The longitudinal joint is made by lead gasket which is squeezed into grooves in a machined surface. Joints are made separately at each end, and no outlet joint is required—a far better method than the old way of pouring the entire sleeve full of lead.

And Mueller Tapping Valves are as advanced as the sleeves. Finely built in every detail, with generous Mueller bronze mountings and highly developed operating mechanism, they work right under all conditions and make a perfect team-mate for Mueller Sleeves.

Mueller Tapping Sleeves, Tapping Valves and Tapping Crosses are made in a complete range of sizes, with either flanged outlet or bell and spigot outlet, to meet all requirements as illustrated above and opposite. For sizes, specifications and prices consult your Mueller Catalog H.

**MUELLER CO., Decatur, Illinois**

Factories: Decatur, Ill.; Chattanooga, Tenn.;  
Los Angeles, Calif.; Sarnia, Ont.

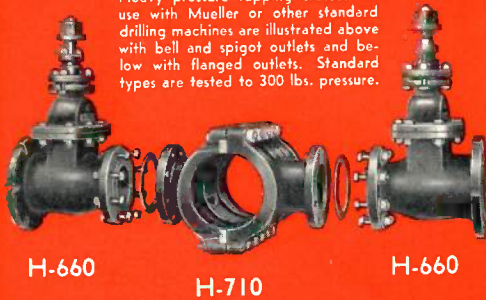


H-705

H-655

H-655

Heavy pressure tapping crosses for use with Mueller or other standard drilling machines are illustrated above with bell and spigot outlets and below with flanged outlets. Standard types are tested to 300 lbs. pressure.

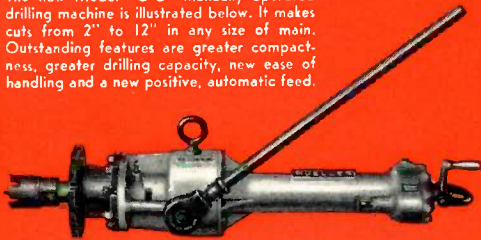


H-660

H-710

H-660

The new Model "C.C." manually operated drilling machine is illustrated below. It makes cuts from 2" to 12" in any size of main. Outstanding features are greater compactness, greater drilling capacity, new ease of handling and a new positive, automatic feed.



# MUELLER CO. DECATUR, ILL.

<p style="text-align: center;"><b>OFFICERS</b></p> <p><b>ADOLPH MUELLER</b> Chairman of Board and General Manager</p> <p><b>WILLIAM E. MUELLER</b> President and Treasurer</p> <p><b>LUCIEN W. MUELLER</b> V. P. and Works Manager</p> <p><b>J. W. SIMPSON</b> V. P. in Charge of Sales</p> <p><b>J. W. WELLS</b> Secretary</p> <p><b>R. H. MUELLER</b> Chief Engineer</p> <p><b>FRANK H. MUELLER</b> Director of Research and Development</p>	<h1>MUELLER RECORD</h1> <p>PUBLISHED AT DECATUR, ILLINOIS BY MUELLER CO.</p> <p>Water, Plumbing and Gas Brass Goods</p> <p>86th Year in Business</p>	<p><b>MAIN FACTORY AND OFFICE</b> Decatur, Illinois</p> <p><b>PACIFIC COAST FACTORY</b> Los Angeles, Calif.</p> <p><b>COLUMBIAN IRON WORKS</b> (Hydrant and Valve Division) Chattanooga, Tenn.</p> <p><b>CANADIAN FACTORY</b> MUELLER, LTD. Sarnia, Ontario</p> <p><b>BRANCHES</b> New York. San Francisco</p>
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## YOUTH AND AGE

When we grow weary fighting the war in office and home, criticizing the government, the army and the navy, trying to add up rationing tickets, figuring out how to drive a car without gasoline, and so on ad lib. to the day of peace, there are little by-paths of speculation and guessing which give change to our thoughts and apprehension.

### Horrors Upon Horrors

Among these most discussed is the steady stream of marriages among young soldiers, and doting maidens. Grandpas, grandmas, and old sourdough bachelors and elderly maiden ladies are horror stricken. Dire results are predicted including prophecies of desertion, divorces, young widows left with babies, disease polluted fathers coming back, and many other ghastly possibilities.

### Not Unusual

There is nothing unusual in the marriage of young people, now or at any other time except that the war has hastened the desire of marrying. These young folks are simply obeying the natural impulse of affection. At least that explanation suffices our reasoning. History, poetry, literature and romance have always told us of such marriages. War has invariably upset the routine of all human activities and always will.

### The Stumbling Block

The stumbling block in our retrospection is forgetfulness of youth, neglecting the fact that youth always has been youth and age has ever been age. There are too many retrospective eyes affected with forgetful cataracts, and too many hamstrung memories. Despite the fact that the learned Ovid who lived before and after the Christian era, and wrote over 33,000 elegiac hexameter lines, we assume our "fifth freedom" of thinking as we darned please and disagree with his line "How different from the present man was the youth of earlier days". Youth has always looked forward to the

## WANTED

*God give us men. A time like  
this demands*

*Strong minds, great hearts, true  
faith and ready hands!*

*Men whom the lust of office  
does not kill,*

*Men whom the spoils of office  
cannot buy,*

*Men who possess opinions and  
a will,*

*Men who love honor, who can-  
not lie.*

*J. G. Holland.*

state of manhood, with dreams and ambition or fine achievements. Until that time he gives loose rein to his boyhood, and the old man looks back on his youth and tries to measure it by his experience, according to nature's ideas. We'd lay a bet that he would be a failure. If he could go back to his boyhood he would find himself nothing more than a rollicking boy, ready for a raid on the nearest patch of watermelons.

### A Bit of Philosophy

Next time you get to worrying about marriages of soldiers and their girl friends and the possibilities of such alliance, sweep them out of your mind with this bit of philosophy: "The wildest colts make the best horses."



Near the end of an appraiser's return to the Probate Court appeared the following: "One quart of Scotch whiskey." The next item was: "One revolving oriental rug."

—So. Dak Bar Journal.

There are two tragedies in life. One is not to get your heart's desire. The other is to get it.—Shaw.

## SPEED THE DAY

### When "The Boys Come Home" Pictured In A John Hay Poem

In the July issue of Mueller Record we published one of John Hay's poems and herewith is another which will touch the hearts of all readers. Hay may not be classed with the great poets, but he possessed the charm of writing to and for his readers, so that they could understand and appreciate his sentiment. We will be prepared for the message that our enemies have yielded and then we will patiently await the sacred hour

#### "When the Boys Come Home"

There is a happy time coming,  
When the boys come home,  
There's a glorious day coming,  
When the boys come home,  
We will end the dreadful story  
Of this war so dark and gory  
In a sunburst of glory,  
When the boys come home.

The day will seem brighter  
When the boys come home,  
For our hearts will be lighter  
When the boys come home,  
Wives and sweethearts will press them  
In their arms and caress them,  
And pray God to bless them,  
When the boys come home.

The thinned ranks will be proudest  
When the boys come home,  
And their cheer will ring the loudest  
When the boys come home,  
The full ranks will be shattered,  
And the bright arms will be battered,  
And the battle-standards tattered,  
When the boys come home.

Their bayonets may be rusty,  
When the boys come home,  
And their uniforms dusty,  
When the boys come home,  
But all shall see the traces  
Of battle's royal graces,  
In the brown and bearded faces,  
When the boys come home.

Our love shall go to meet them,  
When the boys come home,  
To bless them and to greet them,  
When the boys come home,  
And the fame of their endeavor  
Time and change shall not dis sever  
From the nation's heart forever,  
When the boys come home.

## GLIMPING THE FUTURE

### Leaders in Different Lines Tell of Coming Changes

Men of big business, augmented, abetted and encouraged by a large concourse of thinking men in all walks of life, are predicting and assuring us of what is going to follow in the post-war period. Some of these guesses and predictions may go amiss, but dumb and blind is he who fails to comprehend the mighty changes in store for us. It will be only a repetition of what followed the first World War except in a greatly increased development of startling innovations.

Violent upheavals always upset habitual acceptance of things as they are, and speed brainstorm and action in new fields of endeavor.

Following are some of the opinions of big business men.

#### Chemical Plants Ready

Lamot DuPont, Chairman of the Board, E. I. DuPont de Nemours Company: "Great chemical plants are ready to turn out new plastics, paints, textile fibers, fertilizers and other new materials undreamed of a few years ago. These include wood that won't burn, glass that won't break, window screens containing no wire, machine bearings that contain no metals. These are just a few things in the offing."

#### Help to Health

Amory Houghton, Chairman of the Board, Corning Glass Works: "Glass light as aluminum or heavy as iron,—tougher than steel in tensile strength, impervious to fatigue—tiny as a hair—thin as a sheet of paper—accurate to minute fractions of an inch. These are some of the qualities of this versatile material which will enable rapidly expanding industry to make unbelievable contributions to health, home, industry, science and culture."

#### Ready Made Homes

Melvin Baker, President, National Gypsum Company: "A type of 'Package House' shipped to one distributor, ready to be assembled. The house can be made of plastic walls on the inside, and the outside of permanent colors. New, light-weight metals could be used for roofing. We have already gained much experience in houses for war workers. All of this can be realized through efforts of the more aggressive producers in a much larger degree in the future."

#### Dehydration

Cloud Wampler, President, Carrier Corp.: "Through dehydration the concept of feeding

a nation is rapidly changed. Air condition is working new mass production miracles. They point to a day when factories will be air conditioned not only because of processes but for comfort and health of workers. Perhaps they point to a time when wastage of food will be a thing of the past. Surely they point to air conditioned automobiles. These are 'sure shots'. Others more fantastic are sealed planes at heights now purely speculative; air conditioned public buildings, homes and covered streets; people everywhere living free from dirt and germs."

#### Processes and Products

Harry A. Bullis, President, General Mills, Inc.: "Out of war activities may come new plants, mills, factories and even new industries of the future. Processes and by-products of the food industry may become common as those of carbon and coal. Delicate aviation parts and instruments may roll from processes once designed to extract vitamins from wheat germs. By-products of starches may flow to brewery and textile mills, to coating, sizing, pasting and binding of paper. Gluten may become a sausage binder, a leather tanner, a plaster, a film or an element in making synthetic rubber."

#### Better Health Protection

John S. Zinsser, President, Sharp & Dohme: "Safer and more effective Sulfa Drugs to control infections. A single vaccine which protects against several common contagious diseases. Already produced are new treatments to speed healing wounds and recovery from severe illnesses. It is in the field of nutrition that the next great discoveries to extend lives are likely to be found."

#### WIND STORM

The platform orator had been speaking for a long time. At last he showed signs of finishing. He wound up with:

"I am sorry, ladies and gentlemen, if I have spoken a little too long. The fact is that I haven't a watch on my person, and I see none anywhere in the hall."

One of his bored audience pointed to an object at the back of the platform, saying, "Well, gov-nor, ther's a calendar behind you!"

#### CANNED GOODS SCARCER

Canned goods supplies are estimated to be about 30 per cent less than last year. Among the reasons given are: Weather conditions, labor difficulties, military and lend-lease requirements and the fact that vegetables and fruits bring higher prices in the fresh market.

#### DEATH OF TWO LEADERS

Two men prominent in the water works industry passed on in July—John W. Alvord, Chicago and Robert Spurr Weston, Boston, Mass.

Mr. Alvord was a consulting engineer and senior member of the firm of Alvord, Burdick and Howson, Chicago. He died July 31 after a brief illness at his summer home in Douglas, Mich., at the age of 82 years. He was elected president of the American Water Works Association in 1910 and as an honorary member in 1930. During his long and useful life he was identified with many important projects. Among these Chief Engineer in 1890 of surveys for the Chicago World's Fair held in 1893. He had many high honors conferred on him during his busy life.

Robert Spurr Weston died of heart ailment July 29 while a guest at the Leechwood Inn, Wakefield, R. I. After graduating from Amherst, he continued his technical education at the Massachusetts Institute of Technology and the University of Berlin. From 1912 to 1916 he was Assistant Professor of Public Health Engineering at the Massachusetts Institute of Technology. His private practice was extensive. Mr. Weston was a member of many technical societies, many of which conferred high honors upon him. He was an honorary member and past president of the New England Water Works Association.

■ ■ ■

#### That For You

A girl met an old flame who had turned her down, and decided to high hat him.

"Sorry," she murmured when the hostess introduced him to her. "I didn't get your name."

"I know you didn't," replied the ex-boyfriend, "but you certainly tried hard enough."

■ ■ ■

#### Misunderstood

"Now," she asked, "is there any man in the audience who would let his wife be slandered and say nothing? If so, stand up."

A meek little man rose to his feet. The lecturer glared at him. "Do you mean to say you let your wife be slandered and say nothing?" she cried.

"Oh, I'm sorry," he said, "I thought you said slaughtered."

■ ■ ■

Dorothy: "Is it a fact that married men live longer than bachelors?"

Mitchell: "No, it just seems longer."

# Kills Leopards and Bengal Tigers . . .



Lawrence E. Hagel, Jr.  
Stationed in India

The war has given us much food for thought of simple things aside from actual combat. For instance the finding of young men from the prairies of Illinois fighting battles on the deserts of Africa and India. Less than a decade ago the bare thought of this would have excited ridicule. But today it is a reality. Ten years ago thousands of these boys were in their teens. All they knew of Africa and India was what they learned from the geographies or from graphic stories told by travelers or from some hunter's yarns. Today they learn unadorned facts by actual contact and experience. They are learning through study of strange people, by encounters with ferocious wild beasts and poisonous reptiles whose names alone strike terror to the timid reader.

The experience of Lieutenant Lawrence E. Hagel, son of Lawrence E. Hagel, Superintendent of Construction, City Water Department, Springfield, Ill., is an outstanding example of sudden transition of an American boy from peaceful, routine daily duties to a life of thrilling adventure in strange lands. From selling automobiles he comes to us now as a patriotic soldier and on the other hand as an adept in meeting and disposing of jackals, leopards and tigers. In doing this he was fortunate in being trained in the skillful use of firearms, but supporting this was a cool nerve and good judgment.

## Leopard First

In a letter to his father dated May 12, 1943, Lieutenant Hagel tells of killing a prowling leopard.

"I really had an experience the other night. My tent was in a small clearing. It was a beautiful moonlight night. I was awakened by the howling of what I knew to be a leopard which I felt sure was headed toward my tent.

"I darn near killed myself getting out of my mosquito net, grabbed my Thompson

submachine gun, which I always keep loaded and near at hand. Just at that moment, the leopard let out a terrific growl. He was only about eighteen feet away and coming toward my tent.

"Well, I took careful aim and fired a burst of two shots. Both 45's hit the leopard right in the base of the brain. You should have seen him loop the loop. He lay there twisting and turning and growling for a few minutes, then was still. I looked him over—he was six and a half feet long and weighed over 400 pounds. And boy, did he have a beautiful skin!

"Natives skinned and mounted the big animal for me on a red velvet background. His head with wide open mouth is fine. He looks as if he were snarling. I have been offered 500 rupees for him, but I am shipping him to Springfield to be placed in my gun room.

"My one regret, Dad, is that you were not with me during those exciting moments!"

## Shoots Big Bengal Tiger

In another letter dated June 6, he wrote:

"For several nights there was strange growling around my basha (a native hut) which is on the edge of a clearing. As I have told you, cows are sacred in India and they roam all over the place unmolested. Sometimes when the wild animals of the jungle get hungry and they can't find other animals to eat, they come to the clearing and kill a cow or two and have a banquet.

"Well, the other bright moonlight night, I was sleeping rather lightly when I heard a terrible growl. I looked out and saw three cows huddled together near my basha. I knew there must be some wild animal at the edge of the clearing, getting ready for the killing. Grabbing my trusty Tommy gun, I slipped out of the basha into the jungle. I didn't have to wait long till I heard a shuffling and sniffing on the opposite side of the clearing. I strained my eyes and what do you think I saw? A big Bengal tiger!

"I didn't waste any time drawing a bead on him. As he was creeping up and ready to spring upon the cows, I took careful aim and fired a burst of three shots. Boy, you should have seen that tiger leap into the air. He let out a terrible snarl and went into violent flip-flops. That went on a few minutes, then the animal lay still—dead. I found that two shots had hit him in the back of the neck and the third had grazed his belly. He weighed about 560 pounds and is over eight feet long, counting his tail.

"I am having him mounted and will send him home. Boy, you surely will like him!

"I hope that my leopard and tiger reach you safely."

## An Opinion on Strikes

Excerpts from letters give an insight into the character and customs of the Indian people, and a few sidelights of what the

(Continued on Page 5)



Lawrence E. Hagel, Sr.  
Supt. Construction, Water Dept., Springfield



## BEAUTIFUL BUT DUMB

### Are They Mates?

First She: "Oh, Gilbert has the most powerful pair of binoculars!"

Second She: "Good, I dearly love these strong, virile men."

### Hard to Please

Office Manager: "Pardon me, young lady but in the matter of your dress, don't you think you could show a little more discretion?"

Typist: "My gosh, some of you guys are never satisfied."

### Dead Heat

First B. D.: "From the boat the river looked alive with gladiators."

Second B. D.: "Alive with what?"

"Alive with gladiators."

"My dear, alligators is what you mean. Don't you know gladiators are flowers?"

### Spreading the Gospel

Mary walked up to the bank clerk's window and said: "I would like to buy some traveler's checks."

The clerk asked: "What denomination, please?"

Mary replied: "Methodist."

### Native Girls

"On my trips to South America I certainly saw a lot of beautiful panoramas."

"I thought you told me you wouldn't run around with those native girls!"

### On Defense Line

"Sorry, madam, but licenses are issued only when your form is filled out properly."

"Why, I like your nerve, sir. We can get married, no matter what I look like."

### Just Possible

"The directions say to rub the surface down with steel wool. What on earth is steel wool?"

"I'm not sure, but I think it's made from the fleece of hydraulic rams."

Young Wife: "These eggs are very small."

Grocer: "Straight from the farm this morning, madam."

Y. W.: "That's the trouble with these farmers, they're so anxious to get their

eggs sold they take them off the nest too soon."

Young Thing: "I understand that for quite a small sum I can insure my house for \$1000 in your company?"

Agent: "That is so. If your house burns down, we pay you \$1000."

Young Thing: "And do you make any inquiries as to the cause of the fire?"

Agent: "We make the most careful inquiries, madam."

Y. T.: "Oh, I thought so. I knew there'd be a catch in your game somewhere."

■ ■ ■

(Continued from Page 4)

American boys on that front think and talk about. He includes a Calcutta paper with this headline:

### 350,000 Men Idle In America in General National Coal Strike

His comment:

"The government should put those strikers in the army fast and send them over to the jungles of India. There is no striking in the army. If you go on a strike here you'd be backed up against a wall and shot.

"How the hell can we win a war when the people back home lay down on the job?"

This, says Lieutenant Hagel, is the kind of talk he hears from the soldiers, sailors and marines.

### A Few Odd Notes

Matrimony moves along different lines in that far away colorful country. An announcement in the paper reads:

"Wanted:—Rari Brahem educated and beautiful brides of highly respectable and well-to-do families. Prices all the way from 200 to 600 rupees."

Another advertisement asks for a smart, handsome, high family girl, aged 20, officer drawing 750 rupees. The advertiser had no objection to "a child widow."

Still another advertisement calls for beautiful Kayastha brides of highly respectable, well-to-do families. The price on this class runs as high as 2,000 rupees. The dealer represented the only son of a rich Zimander and lots of other prospective grooms for immediate marriages.

A snake story relates to what is generally believed to be the most poisonous of reptiles—the cobra. Their bite means a coffin. The note about the snake reads:

"Captain Black killed a 10-foot cobra snake under his bed the other evening. These snakes are friendly, however, and most of us have a pet mongoose. These little animals hate snakes and can kill any of them. They are good protection."

# I'M TELLIN' YOU



● Beef is rationed but "beefing" is not.

● Who wears the pants in my house? Come out and meet the wife and five daughters.

● Meatless days began on that day when Mother Hubbard opened the cupboard.

● A boastful victory gardener said he planted everything but sauer kraut seed.

● While War Bonds keep the eagle flying they are feathering your nest.

● Buy War Bonds till you bust—if you bust you'll still have your bonds.

● Mae West has been granted a divorce. Remember Horace Greeley's advice: "Go West young man, go West."

● The third drive for sale of War Bonds starts September 3rd. Let's hope "the third time will be a charm."

● The artist's model for posing, no matter whether the fee be large or small, she still makes a bare living.

● "Goodbye," said the stork as it flew away from the darkey's cabin, "I've left you a little son shine."

● Hot weather reflection—We kill flies because they annoy us but suffer people because the law protects them.

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

● Scientists have long puzzled over the question of where the world came from. What is now bothering us is the question of where it is going.

● Take your choice. Nature gave us two ends to use—one to think with, one to sit

with. One choice wins the war—heads you win, tails you lose.

● The daily news tells us that Hitler's health is very bad. Broke down, maybe, trying to keep up with his character and villainous ambition.

● Medical science has found a way of putting off death, but the legislators never run out of ways of putting on taxes. The race is now on.

● "What sort of jokes did your ancestors laugh at", we are asked. Just like this one: "Did you ever see a catfish? No, but I've seen a rope walk."

● A nutrition expert promises to tell what you are if you tell him what you eat. To allay anxiety, we spill the beans and tell you in three letters "hog" in about fifty per cent of cases nowadays.

● Mrs. Washington was an invaluable aid to the general in building up his reputation for truthfulness. She was not inquisitive and did not ask questions when he blew in late at night.

● Dr. Daniel Popper, Chicago University, tells us that the new star just discovered is 100 times the size of the earth, weighing approximately 200 billion billion tons. Makes war appropriation look like a piker.

● Back of the Army is the government. Back of the Army and the government is war bonds—and back of these war bonds is the people. We, the people, are financing and fighting this war. Don't fail. Do your duty. Buy Bonds.

● Do not become excited and sell your refrigerator because of present conditions. You'd be in a vexing situation if you should happen to get money enough to buy a case and have no way to cool it off while you were steaming up.

● There are so many wise guys telling us what is going to happen and what we shall have to do in the coming post war period that we are prompted to suggest that we concentrate on doing things now. This appears to be a rather complicated job. We have only to remember the previous World War experience—big business, big profits and then—bing, bang, bust—including all prewar plans and specifications.





**Roosevelt (Teddy):—**

There can be no fifty-fifty Americans in this country. There is room here for only those who are Americans and nothing else.

**Horace:—**

Who then is free? The wise man who is master of himself, whom poverty or death finds unafraid, who scorns unworthy ambition.

**Shakespeare:—**

Thrice armed is he who has his quarrel just.

**Rouchefaucauld:—**

Sometimes there are accidents in our lives the skillful extraction of which demands a little folly.

**Denham:—**

Actions of the last age are like almanacs of the last year.

**Dunne:—**

Death comes equally to us all, and makes us all equal when it comes.

**Author Unknown:—**

The training of children is a preparation for the gravest and most important relations of life; and on the character of our home life must rest the well being of our nation; and the permanence of all of our institutions.

**John Steinback:—**

Free men cannot start a war, but once started they can fight on in defeat. So it is always the herd men who win battles and the free men who win wars.

**Colton:—**

Physical courage, which despises all danger, will make a man brave in one way; and moral courage, which despises all opinion, will make a man brave in another. The former would seem most necessary for the camp, the latter for council; but to constitute a great man both are necessary.

**Butler:—**

Those who fly may fight again, which he can never do if slain,  
Hence timely running's no mean part of conduct in the martial art.

**Webster:—**

I was born an American, I live an American, I shall die an American.

**Chamfort:—**

True morality is to enjoy and give enjoyment without injury to yourself or others.

**Henry Ford:—**

The great trouble is that there are too many people looking for some one to do something for them. The solution of most of our troubles is to be found in everyone doing something for himself.

**Carleton:—**

Light as a gossamer is the circumstance which can bring enjoyment to a conscience which is not its own accuser.

**Young:—**

Ambition now powerful source of good and ill.

**South:—**

Anger is transient hatred; or at least very like it.

**Publius Syrus:—**

Poverty is not want of much, but avarice of everything.

**Cicero:—**

We should be careful that our benevolence does not exceed our means.

**Kett:—**

Never build after you are five and forty; have five years income in hand before you lay a brick; and always count the expense at double the output.



### FULTON NOT FIRST

Robert Fulton's name is generally connected with the first steamboat. He is not, however, considered an original inventor, but stands high as an engineer. John Fitch was running a steamboat on the Delaware in 1790. Oliver Evans built a steam scow and dredge for Philadelphia in 1804. This must have been the grandfather of the Jeep. It rumbled along on land and churned through the water. James Runsey and William Symington demonstrated steam-driven paddle wheels in 1787. All of them came before Fulton's boat.

# A. W. W. A. Has Made Substantial Gains



S. B. Morris, Pres.  
Dean of Engineering,  
Stanford, University

## MADE HONORARY MEMBERS



George C. Bunker



W. R. Conard



Wm. W. Hurlbut



S. F. Newkirk, Jr.  
Vice-President

The recent conference of members of the American Water Works Association brought together representatives of a body of trained practical and professional men identified with the greatest and most essential industry of this country. Without this industry we could not have such a great and independent nation in which we live and which we are defending today. And much more important in these turbulent times, we would not be in a position to defend our rights and freedom against invasion by a foreign foe.

The growth of the association has been encouraging and substantial. Twenty years ago the membership was 1540. Today it stands at 4785. Since January 1943 new members numbering 400 have been added.

### Government Representatives

A friendly talk by J. A. Krug, Director of War Utilities, was followed by Arthur Gorman, Chief of W.P.B.'s Water Supply Branch, who amplified remarks by Mr. Krug, by reassuring water works operators that their systems were not to suffer to any danger point because of lack of maintenance, repair, and operating supplies. He said operators and managers should now plan for strengthening all systems which might suffer the consequences of deficiency of supply due to possible conditions, as well as anticipated increased demand resulting from the war effort, either direct or indirect.

### Advised to Anticipate Needs

Stressing the danger of a critical water supply situation and consequences of deficiency of service the W.P.B. spokesmen are pointedly calling for immediate advancing of supply and system betterment for all critical systems. This involves the earliest possible filing with the Office of War Utili-

ties of a bill of materials to be needed for effecting the desired strengthening of such systems in order that allocation of the extra requirements of construction may be secured under the Controlled Materials Plan.

### The Evening Session

One of the highlights of the conference was a special evening session with a large attendance. There were two notable addresses, Colonel Willard Chevalier, of "Business Week", New York, and President Abel Wolman, professor of Sanitary Engineering, Johns Hopkins University. The former's subject was "The Impact of Post War Planning on Public Works Programs" and of the latter, "Planning the Post-War". As the titles indicate these papers dealt with a subject prevalent in the minds of thinking men at this time.

Among the closing features of the conference was the annual dinner at which the new president, Samuel B. Morris, Dean of Engineering, Stanford University, made the awards.

### Milwaukee Next

The last act of the new board was the approval of the Convention Place Committee's recommendation that the 1944 convention be held in Milwaukee. The dates will come later.

### South American Engineer Honored

George C. Bunker, upon whom was conferred Honorary membership, has a long and distinguished career, briefly summarized here:

1908-14. Chemist and bacteriologist with the American Water Works and Guarantee Co., Pittsburgh, Pa. 1914-1927. Director of Water Purification and Testing Laboratory, Panama  
(Continued on page 9)



## In The Army Now

First Gal: "What is a military objective?"

Second Gal: "Just walk past those soldiers standing on that corner and you'll find out."

War production has so expanded the field for industrial nurses that at present 12,000 nurses guard health of American workers, as compared with 5,500 two years ago.

Voice of luscious blonde in darkened air-raid shelter:

"Hey! Take your hands off my knee! No, not you, YOU!"

The war department reports return to United States of thousands of tons of salvage and scrap from battlefields throughout the world.

Femme: "Are your kisses dynamite?"

Handsome Lad: "They sure are, sister."

Femme: "Praise the Lord and pass the ammunition."

One month's collection of kitchen fats throughout the United States totaled 8,440,270 pounds. Seems like a lot of grease but the total is still insufficient to meet war demands.

Sentry: "Who goes there?"

Voice: "The devil."

Sentry: "Pass on Devil. You know where you can go."

Estimated number of graduate nurses needed by July 1, 1944: 359,000—66,000 in Armed Services, 293,000 in civilian life.

Cutie: "All my life I've been saving my kisses for a great big strong man like you."

Sailor: "Baby, prepare to lose the savings of a lifetime."

Draft Board Ex: "Do you go with the girls?"

Draftee: "No, sir."

Draft B. Ex: "Do you mean to tell me you do not go with girls?"

Draftee: "Yes, sir."

Draft B. Ex: "Why not?"

Draftee: "My wife won't let me."

This is a funny world,  
Its wonders never cease;  
All "civilized" people are at war,  
All savages are at peace.

—Christian Herald.

Soldier (running): "Captain, the enemy are as thick as peas."

Captain: "Well! Shell them."

Buck: "I hear Nordley is back in the hospital."

Private: "Yeah—he took a sudden turn for the nurse."

### Say It Fast

A skunk sat on a stump. The stump think the skunk stunk, and the skunk think the stump stunk!

■ ■ ■

(Continued from page 8)

Canal. 1918. Report on water supply of Lima, Peru, S. A. 1920. Investigation and report on water supply of Barranquilla, Colombia, S. A. 1923-1924. Installation of chlorinators, Bogota, Colombia, S. A. 1927-1932. Investigations and reports on water supplies and design of purification plants for Cartagena, Medellin and Cucuta, Colombia, S. A. Following was similar work covering a wide field for Buenaventura, Colombia; Bogota, Colombia; Cali, Colombia. In the selection of a new water supply for Bogota and design for purification plant he was in collaboration with Chester Everett of New York City. 1936—to date. Consulting engineer to Department of Hydraulic and Sanitary Works of the Ministry of Public Works of Venezuela. During this period he has done work of various kinds coming within the scope of his professional talents.

Engineer Bunker was the recipient of a gold medal from the Municipal Council of Cali, Colombia, S. A., at the inauguration of the plant in November, 1930, with the following inscription: "El Cosejo Municipal Admiracion y Reconocimiento."

He was also awarded the Dexter Brackett Memorial Medal of the N. E. W. W. Association for his paper on "Water Supply Problems in the Tropics of Spanish America."

■ ■ ■

### REMEMBERED LESSON

"Why," said the First Aider arriving at the regular meeting, "yesterday I was sitting at home when I heard a terrific crash. Two cars had turned over in front of our gate. One woman had a deep cut in her arm, two men had broken legs, and another severe lacerations of the face. But, thank heaven, I remembered what you had taught me, put my head between my knees—and didn't faint."

## COMING BY CARLOADS

### Prisoners of War Are Rapidly Filling up Camps Prepared for Them

There has been but little said about it in the papers, but the fact is that Uncle Sam is now keeping open house for thousands of foreign visitors of high and low degree. They are technically known as "prisoners of war." Ship after shipload reaches our shores every month. A recent count showed 65,058 Axis prisoners in our camps, divided as follows: 19,641 Italians, 45,355 Germans and only 62 Japs.

#### Thirty-seven Camps

There are 37 permanent camps located in 20 different states. The few Japs on hand are held at Camp McCoy.

The Pathfinder, a dependable Washington publication, lists these camps and capacity as follows:

For Italians:	
Ashford, W. Va.....	1,000
Camp Atterbury, Ind.....	3,000
Camp Clark, Mo.....	4,800
Como, Miss.....	4,000
Crossville, Tenn.....	1,700
Florence, Ariz.....	7,600
Camp Forrest, Tenn.....	3,564
Hereford, Tex.....	5,000
Lordsburg, N. Mex.....	4,800
Ogden, Utah.....	4,000
Scottsbluff, Nebr.....	3,000
Weingarten, Mo.....	5,800
Camp Wheeler, Ga.....	2,000
Fort Meade, Md.....	1,680

For Germans:	
Aliceville, Ala.....	6,000
Camp Breckinridge, Ky.....	3,000
Camp Carson, Colo.....	3,000
Camp Chaffee, Ark.....	4,000
Concordia, Kans.....	4,000
Camp Gruber, Okla.....	4,000
Hearne, Tex.....	4,800
Camp Hood, Tex.....	4,000
Huntsville, Tex.....	4,800
Ft. Leonard Wood, Mo.....	3,000
Camp Livingston, La.....	5,220
McAlester, Okla.....	4,800
Camp McCain, Miss.....	3,000
Fort McClellan, Ala.....	3,000
Mexia, Tex.....	5,800
Opelika, Ala.....	3,000
Camp Phillips, Kans.....	3,000
Camp Polk, La.....	4,500
Fort Reno, Okla.....	1,000
Roswell, N. Mex.....	4,800
Stringtown, Okla.....	500
Camp Swift, Tex.....	3,000
Trinidad, Colo.....	4,000

At Crossville, Tenn., Camp Forrest, Tenn., and Fort Meade, Maryland, both German and Italian prisoners are held, but they are segregated.

#### Fed Same as Our Soldiers

These prisoners are housed in barracks,

given the same food as our soldiers, a small allowance of spending money and, under certain conditions, permitted to take jobs and earn money. We have heard many persons criticize this kind and generous treatment. They feel that these prisoners should be treated more harshly—that they deserve no consideration at our hands. This was formerly the way they were treated, but the Geneva Convention changed that policy when rules for the humane treatment of prisoners were adopted and agreed to by all civilized nations—including Japan—which now claims adherence to the covenant. This claim, however, is debatable.

#### Capacity 139,164

The present capacity of our camps is 139,164. Now Sicily is turning out prisoners in a steady stream to be added to 267,000 already taken in North Africa.

Germany is said to be holding 10,000,000 prisoners, some 17,000 of them Americans.

#### Dressed in Blue Denim

These prisoners of war are dressed in blue denim and on the clothing the letters "P. W.," orange in color, are sewed. They are organized in companies of 250 men, and a commander is named for each company. A camp of 3,000 prisoners requires a military personnel of 573 officers and men. Prisoners may organize and choose a spokesman to make requests or complaints to the authorities. They are compelled to clean up and keep clean their quarters, given plenty of time for games, newspapers, books and limited radio privileges. Where Germans and Italians are in the same camp, the fact is recognized that the two dislike each other, and they are segregated. Officers are segregated from privates.

#### Spending Money

The privates are allowed ten cents a day for purchases at the canteen. Officers are paid \$20.00 to \$40.00 per month, depending on rank. They have small separate quarters. The men are permitted to volunteer for outside work at 80 cents per day. This money is deposited to the credit of the worker. He may draw up to \$10.00 per month in the form of canteen coupons. The remainder is accumulated for the worker. They are allowed this employment in groups for the reason that guards are with them all the time they are outside the camp. These camps are enclosed with double barbed wire fences. In addition, armed guards are on constant patrol.

#### Garrulous and Gay

The Germans are generally surly and reticent, while the Italians are inclined to good nature and contentment, glad to be free from military service. The Germans are

(Continued on page 13)

## TREATIES

### They Are Laudable Documents But What About the Signers

Treaties of peace are scraps of paper, and are not worth the price of the paper on which they are written. History has proved this. The trouble is not in the principle sought to be upheld but in the lack of principle in men who refuse to be bound to any agreement on paper from a promissory note to an international treaty. In the case of the promissory note one can sue and at least get a judgment, but in the case of a treaty it is either fight or be disgraced.

#### A Wise Man

There was one man who understood this years ago. His name is Immanuel Kant. Kant was not only a German, but is accorded the honor and the credit of being among the world's greatest philosophers. Back in 1795 he gave the following clear cut distinction between a treaty of peace and a pacific alliance.

#### Points Out Difference

"Since reason condemns war and makes peace an absolute duty; and since peace cannot be effected or guaranteed without a compact among nations, they must form an alliance of a peculiar kind, which may be called a pacific alliance, different from a treaty of peace, inasmuch as it would forever terminate all wars, whereas the latter ends only one."

#### What It Intended

The Kellogg-Briand Pact was intended to be something in line with Kant's theory. It is described technically as a multilateral treaty for renunciation of war. However, it was entered into and signed by statesmen from 15 countries, and among these was Germany. The signatories declared that they "condemn recourse to war for the solution of international controversies and renounce it as an instrument of national policy in their relations with one another."

This "pact" seems to be what might be called "a gentlemen's agreement." It was made in 1928. It in no way detracts from the philosophy of Kant, nor the desires and wishes of peace loving people. It at least shows that upstarts of the Hitler and Mussolini stripe are not amenable to any honorable effort to maintain national peace policies through the medium of a treaty, a pact or a gentlemen's agreement. Any of these laudable efforts might be made permanently operative if it were not for change of thought, ambition and judgment of each succeeding generation.



## "Hello Mom"

By H. R. Kuehner

Dear Mom, and also "Dad,"  
I'm here at a "He Man's" camp,  
No excuse not writing now,  
Don't have to buy a stamp,  
But one thing I would like to buy  
And that's mosquito screens,  
To kinda stop the hordes in camp,  
They're all "A-1" champeans.

Tell "Pa" the chow we get is good,  
It's almost, the boys say, "Jake,"  
But nothing like the grub at home  
"Like Mother used to make."  
And in the morning, "love o' gosh,"  
Gee Mon, the sound is shrill—  
I mean the Bugler, he don't say  
"Now, darling, get up, Will."

He just don't coax or coddle,  
His horn means plain "Get Up,"  
No time to yawn or stretch yourself  
Like any Mongrel Pup.  
There ain't no favorite sons down here,  
No, Mom, not even me,  
You toe the mark, you start from scratch  
Or your "Willie" gets "K. P."

And talk about zip and order,  
Even making up your bed,  
No chucking clothes or shoes around  
Which drove you "nuts" you said.  
Another thing, I'm toned way down,  
I don't complain no more,  
The "Boss" is right thru day and night,  
Nope, nothing makes me sore.

When I get home, and organized,  
Dear Mom, I'm just afraid,  
With this army's way of training  
You'll have to fire the maid.  
I'll do the chores, I'll cook the grub,  
And do housecleaning too,  
I'm sure I'll be quite qualified  
When this war is o'er, don't you?

Then you and "Pop" must rest yourselves,  
I'll run the good old shack,  
And put things ship-shape order  
Right as soon as I get back.  
Well, time is up, must hit the hay  
And get some sleepy eye,  
So now I'll close with "Au Revoir,"  
I'll never say "Good Bye."

YOUR SON WILL,

P.S.—Gee whiz, "Mom," I near forgot,  
My love to all the kids,  
To write and not remember them  
Would put me on the "skids."

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## THE 'RAH 'RAH BOYS

### FIFTY-FIFTY

Haughty Senior: "Oh, I know a few things!"

Honest Freshman: "Well, you haven't anything on me. I guess I know as few things as anybody."

### WRONG PEW

"Nobody will be the wiser if I kiss you."

"Then don't kiss me. I'm after an education."

### TWO VIEWS

Flo: "I don't intend to be married until I'm thirty."

Rea: "I don't intend to be thirty until I'm married."

### CALL THE UNDERTAKER

"I want to die with my boots on."

"Well, put 'em on! Here comes my husband."

### WHO TO, MAMA?

She: "No, I don't smoke, drink, or neck."

He: "Well, then, what do you do?"

She: "I tell lies."

### OH, YES! WHY?

Guide: "We are now passing the oldest rum house in Louisiana."

"Why?"

### FOREWARNED

He: "Since I met her I can't eat, I can't sleep, I can't drink."

She: "Why not?"

He: "I'm broke."

### HIGHBALL?

Professor: "When water becomes ice, what great change occurs?"

Student: "A change in price."

### FADE AWAY

Jean: "Fashions may come and go, but there's always a demand for cosmetics."

June: "Yes, women can't go wan forever."

### NATURALLY SO

As the doorman ran down to open the limousine door, he tripped and rolled down the last four steps.

Club Manager: "For heaven's sake, be careful, they'll think you're a member."

### RADIO MUSIC

K.A.: "Did Clarice enjoy her date with Joe last night?"

Alpha Gam: "She was never so humiliated in her life. When he started to eat his soup, five couples got up and began dancing."

### QUOTE

Professor Marks: "Why the quotation marks on your examination paper, Smith?"

Student Smith: "Courtesy, sir, to the man on my left."

### RIGHT

Professor: "Lobb, generally speaking, can you define priorities?"

Lobb: "Priorities is somethin' you must write on orders to get what there isn't anything left of but."

### 'SEBEN CUM 'LEBEN

A beautiful girl applied for a job in movies. When her trial tests turned out well, the director began questioning her about her life. Finally he said to her, "Unmarried?" "Sure thing," she replied, "Seven times!"

■ ■ ■

### Truthful Small Boy

It happened in one of Phoenix's larger stores during the rush hour. The elevator was jammed and the cables groaned. The elevator rose slowly, and as it neared the third floor a piercing scream caused the operator to stop the car midway. All eyes were focused on a large woman in a short, seal jacket, who wore an injured expression. A small boy, not yet of school age, stood directly behind her. "I did it," he announced truculently. "It was in my face, so I bit it."

Air Raid Warden: "Sorry, Mr. Blumbaugh, that I arrested you for kissing a woman during the blackout. I didn't know it was your wife."

Blumbaugh: "Oh, that's all right, old chap. Until you flashed that light in her face, I didn't know it either."

## MISQUOTING

### Doubtless Not Intended But of Common Occurrence—Some Victims

"Quote" and "Unquote" are familiar expressions to the millions who listen to radio announcers. "Quoting" is a perfectly legitimate practice and privilege, and it should be indulged in with extreme care and a reasonable assurance that you are within bounds of correctness, and are giving proper credit to the originator of the quotation. In many instances quotations are made in good faith, but the source is erroneous. We have noticed that many persons unfamiliar with the source of authorship, choose some great orator, author or statesman. We have in mind Abraham Lincoln and Samuel L. Clemens (Mark Twain).

#### Two Famous Victims

These two famous Americans have had more puerile and vile jokes and sayings charged against them than any of our great men. If living they would deny authorship or employ a lawyer and institute suit for libel.

How many times have you heard credit given Mark Twain for this one:

"Everybody talks about the weather, but nobody does anything about it."

There is ample evidence that Mark Twain was not the author of this clever remark.

#### The Real Author

On the other hand, there is ample convincing evidence that Charles D. Warner was the author, and used it in the Hartford Courant in 1890. Mr. Warner was no mean author as many books to his credit prove. In addition, he was something of a humorist in his own right. Furthermore, he collaborated with Mark Twain in "The Gilded Age".

In further support, Mencken, student, reader and author, says, referring to the 'weather note':

"Author unidentified; commonly ascribed to S. L. Clemens (Mark Twain), but not found in his published works."

#### The Great Lincoln

Justly or unjustly Lincoln is by some regarded as a purveyor of risqué stories. This we do not believe in toto. Many overlook that humor, jokes and smut keep abreast of the times, therefore, it is not impossible to identify the period of their popularity. Lincoln was born in 1809 and died in 1865. Humor in that period was as different from this as the clothes we wear.

#### Sad and Serious

In a search through a voluminous collection of "Sense and Nonsense" to satisfy our

own mind on Lincoln humor, we failed to find a single line of wit, humor, or levity. On the contrary, we found just what we expected; ample proof of the sad and serious man bearing a nation's burdens. He was quoted sixteen times, and each quotation was from a state paper, a speech or some national problem. On the other hand, Mark Twain was quoted fourteen times, and every time it was some bit of nonsense,—just what you would expect from him.

#### Hoover a Victim

Along this line we came across the question asked a newspaper in reference to Mr. Hoover's "prediction about grass growing on city streets if Mr. Roosevelt and the Democratic ticket were elected."

This speech was made in Madison Square Garden October 31, 1932. Hoover said nothing of the kind. He did not mention Roosevelt or the Democratic party. He was speaking of the protective tariff and said:

"I can conceive a nation builded without it, but we have been built with it. Whole towns, communities and forms of agriculture with their homes, schools and churches have been built up under this system of protection. The grass will grow in the streets of a hundred cities, a thousand towns; the weeds will overrun millions of farms if that protection be taken away."

Careless reading, faulty memories, political bias and constant reiteration are among the things leading to garbled quotations.

■ ■ ■

(Continued from page 10)

surprised at two things. They expected to find west and east coast cities in ruins, and they are surprised at the privilege of having radios. They are apparently losing hope and faith in victory and world supremacy.

The attitude of the Italians is expressed by one of those taken prisoner. He said he was better off than his captor because, "I'm on my way to America, while you are on your way to Italy."

■ ■ ■

#### DIVORCES

A Chilean woman whose husband is official weather observer told her it would not rain and to wear her new suit and hat. Two blocks from home she was caught in a downpour. Two minutes later she was back home. There was a lot of vocal lightning and a thundering voice. She called him a fraud and a bum prophet. He lambasted her with an umbrella. She went home to mama. He stepped into a joint where "it pours down." The judge will pass on the application for divorce.

# A Great Day For Titusville, Pa.



When Edwin Laurentine Drake struck oil at Titusville, Pa., August 27, 1859, he started something without knowing it. It was the first commercial well drilled for petroleum. That was 86 years ago. The result is just now at its peak. Petroleum is now the foundation of one of the country's greatest industries, and gives pleasure to a larger number of people than anything of which we can conceive.

The fact was that though this was the first well, it was not strictly a new discovery. Early North American settlers had noticed and had used petroleum. In 1627 a Franciscan missionary mentioned in a letter the famous oil spring at Cuba, N. Y.

## Looking for Salt

In the beginning the settlers were not looking for oil, but for salt brine. They had learned to drill artesian wells and frequently they noticed that the brine was contaminated by petroleum. This they had to get rid of in some way. Samuel Kier, a Pittsburgh druggist, helped them. He boiled the pure oil, and sold it as a cure-all. Kier then got the idea that he could make the petroleum into an illuminant. He did so with some success after five years of experimenting. This illuminant claimed the attention of Col. A. C. Ferris who got the rights for distributing it.

The value of the oil attracted George H. Bissell, a New York lawyer, and he got Drake to try drilling, which he did, adapting for the purpose his salt water drilling outfit.

Note: By courtesy Paramount Pictures, Inc.



## Drilling First Well

The work was commenced on May 20, 1859. It took 98 days to penetrate 69½ feet and on the 99th day, August 28th, oil was found rising in the tube. That was the beginning of the oil industry in the United States. From that time until 1941 commercial oil fields were developed in 23 states and 30 other countries. For a time, the region near Drake's strike seethed with excited spectators and speculators. The oil boom resembled the California Gold Rush of ten years previous. Experiments were carried on in other states and gradually one by one they fell into line as producers. Mississippi and Nebraska entered the lists as late as 1939.

The story of methods and improvements



is too long and intricate for anything but technical books, but it is nevertheless as interesting as a romance.

#### Dates Back to Biblical Days

The history of petroleum dates back to Babylon, Persia, Egypt, China and Rome according to authorities. References are made to it in the Bible. To China is given credit of a knowledge of petroleum and natural gas 3,000 years ago. They knew how to drill wells 1,500 to 2,000 feet, so after all it was not new, or unknown when Drake found it at Titusville. Up until that time it would have been of little value to us, but it was found just at a time when the country needed it and was benefitted by it.

#### Required Many Steps

To reach its zenith of usefulness required many steps, one following the other. A few of the most important steps were the automobile and the gasoline engine. For the refinement of the petroleum for these purposes, methods of distribution developed to great pipe lines reaching from the productive southwest to eastern states. Yet with this vast system of production, and transportation, billions of capital invested in filling stations, billion of gallons of gas still in the ground, there is only one way to get it, and that's through use of rationing cards. Like all good Americans we abide by this edict, but at the same time we wonder.

#### Some Statistics

The statistics of this vast industry are of almost astronomical character. They are given here in the present tense, but were compiled three years ago. About 150,000,000 gallons of petroleum products are delivered to United States consumers every day and another 20,000,000 gallons of crude oil and refined products are exported daily. These tremendous quantities must be moved not once a day but frequently four or five times daily. It is estimated that every day 600,000,000 gallons are on the move somewhere. To supplement delivery facilities the industry has had to develop their own methods. More than 115,000 miles of crude oil pipe lines criss-cross the country. Nearly 10,000 miles of pipe lines transport refined products from refineries to distributing points.

The industry's ocean-going tankers are one-fourth of the world's total tank fleet, and one-fourth of the U. S. total merchant marine. In addition the industry owns and operates 1600 smaller tank ships and tank barges for inland transportation. It owns 50,000 tank trucks and about 100,000 other trucks. Even on the railroads, 90 per cent of the 150,000 tank cars are owned by the industry.

In 25 years gasoline outlets rose from

15,000 in 1915 to 440,000 in 1940. About 242,000 were service stations and 200,000 stations were country stores and garages selling gasoline as a sideline. No one knows just how much oil is left in the ground but scientists agree there is enough to take care of the United States for generations to come. One hundred and fifty years is considered a conservative estimate. New fields are found every year. Already in this country gasoline is being made experimentally and in Europe commercially.

#### Up In The Billions

The industry pays out more than \$4,000,000,000 annually in wages, salaries, royalties, purchase of equipment, supplies, etc. Approximately 1,000,000 employees share a payroll of more than \$1,500,000,000. All branches of the industry annually spend from \$800,000,000 to \$1,000,000,000 for the products and services of other industries, from a paper clip to a tank car.

#### And Then the Taxes

The final clincher, of course, is taxes. Our authority says: "Taxes paid by the industry and on its products totaled in 1940 about \$1,500,000,000, representing one-tenth of all taxes paid to all Federal, state and local taxing authorities in the United States. Gasoline taxes, levied by all states and the Federal government, account for most of this huge bill."

Just one silly question, "Do the gasoline barons pay this or is the consumer the "middle man" between the taxing bodies and the industry?"

■ ■ ■

#### FASHIONS

There is a saying that Shakespeare never repeats. This is scarcely true. Fashions, however, do repeat. They come and go periodically. Small the differences how abominable they may be. There are people who would rather be dead than to be out of fashion, except that to be dead is "so common". Every age has its own fashion whether it be wit, pleasure or manners. Neither sex has a monopoly on being fashionable—men poke fun at the ladies, and vice versa. Do you remember the days when women wore bustles? That was before the days of roller skates when bustles would be a valid reason for safe and easy landing. And then the days of men's tight trousers, which required great care and caution in sitting down. Both of these are about due for a return engagement.

■ ■ ■

Power, like a desolating pestilence  
Pollutes whate'er it touches.

—Shelley

# Members of 20 Year Club Are Banquet Guests of the Mueller Co.



Seated: Harvey Cameron, W. H. Campbell, Adolph Mueller, Frank H. Mueller, W. E. Mueller, L. W. Mueller, Roy Whitaker.  
Standing: R. H. Mueller, Charles Laughlin, Lou Schario, Barney Marty, August Schudziara, Lewis Fagan, William Seeforth, J. W. Simpson, A. G. Webber, Sr.

Our company recently paid tribute to the loyalty of the men and women employes who had been a part of the organization for a period of twenty years or more. One of the banquet rooms of the St. Nicholas hotel was brilliantly illuminated and decorated for this unusual occasion.

### All Over 20 Years Old in Service

One hundred and sixty men and women were privileged to attend. They were seated at tables reaching full length of the room. The speakers' table running crosswise was reserved for "the Veterans", those who had been in the service for forty years or more. The wall back of the veterans was decorated in patriotic colors and included the Emblem "E" awarded the company in May, while on the opposite side was a design appropriate to the event. It was a thoroughly enjoyable occasion, devoid of formality.

### Good Fellow Gathering

It was not one of those ice-bound banquets where the faintest smile is the apex of pleasure, but a gathering of unaffected loyal friends and fellow-workers entering into a noteworthy demonstration of good fellowship cemented by years of daily association. They joined heartily in the songs, applauded

the veterans of "40 years or more" on the platform and did not in their enthusiasm overlook the lure of good food.

### Adolph Sings Solo

An extra number on the program was Adolph's response to calls for "Old Black Joe". Accompanied by the orchestra, he sang the good old song in the tenor voice which in earlier days was frequently heard in church choirs and at musicales.

Following the feast the gathering was called to order for the platform exercises by Frank H. Mueller, the youngest of the third generation, who was toastmaster.

### Room For Good Humor

Frank has a headful of engineering, but he left enough room for a good stock of humor which he used in presenting the men who had served forty years, some of whom were

This quartet of foundry men have given to Mueller Co. an aggregate of 157 years in service.  
Reading left to right they are: Lewis Fagan, 44 years; Roy Whitaker, 41 years; Blue Lusk, 36 years; and George Patterson, 36 years.



Centerpiece back Table giving com service of emplo the dinner. Below blem awarded M "excellence of pro nitions."



H. Mueller, foundry Co. and the little which he occupie tered upon his bu Decatur.



# Emblem Pins Given Employees for Various Periods of Service



...k of the Veterans  
...mbined terms of  
...loyees present at  
...ne is the "E" em-  
...Mueller Co. for  
...roduction of mu-



Front Row: Fred Nash (20), Ethel Dixon (25), Al Lindamood (30), Chas. Meador (35), Clint Wright (25), Earl Lowe (20).  
Second Row: Archie Sefton (20), Oris Whitacre (20), Shirl Fish (20), Clarence Rubicam (20), Orville Spencer (20), T. E. Hoy (20), Bert Flaughter (20).  
Third Row: Cecil Short (20), Ralph Wood (20), Virgil Athey (20), Karl Blankenburg (20), Gerald Yonker (20).

employees of the late H. Mueller. These veterans spoke, mostly of some amusing event in their early experience. There were brief talks by Lucien, Everett and Robert Mueller, and J. W. Simpson, who enjoys the distinction of having been a helper of the founder. The program closed with brief remarks by Adolph, and the award of emblem pins to those employes completing various periods of service.

The sixteen members of the organization seated at the speakers' table, with four exceptions, had records of 40 years or more of service. The exceptions are members of the third generation: W. E. Mueller, president; Robert H. Mueller, chief engineer; L. W. Mueller, vice-president in charge of factories; Frank H. Mueller, director of research and development.

Eliminating members of the family from those at the speakers' table, the following in the illustration were employes and constitute a few remaining links binding the founder of Mueller Co. with the present. W. H. Camp-

## MAKING UP GRAND TOTAL

One hundred and sixty men and women employes were seated at the banquet tables.

Years of Service	Total Years
20-25	1890
25-30	371
30-35	711
35-40	552
40 and over	860

Grand Total .....4384

bell, Charles Laughlin, Lou Schario, Barney Marty, August Schudziara, Lewis Fagan, William Seeforth, J. W. Simpson, Roy Whitaker, A. G. Webber, Sr.

The last named is and has been a practicing attorney in Decatur for many years, but he was a Mueller employe in early life, and in a broad sense remains as such in his capacity of legal adviser.

J. W. Simpson was errand boy and helper for H. Mueller, with very distinct recollec-



...under of Mueller  
...le frame building  
...oied when he en-  
...business career in



## IN FATHERS' FOOT STEPS

At the speakers' table, the following with two exceptions were members of the Mueller organization prior to the death of the founder on April 1, 1900.

Name	Entered Service	Total Years
Harvey Camron	March 8, 1898	45
W. H. Campbell	1893	50
Charles Laughlin	June 6, 1900	43
B. J. Marty	April 14, 1894	49
August Schudziara	Jan. 17, 1898	45
Lewis Fagan	Feb. 16, 1899	44
Roy Whitaker	Aug. 29, 1902	41
William Seeforth	1895	48
Wilbur Simpson	Aug. 6, 1899	44

tions of his experiences. He is now vice-president in charge of sales. He has been a member of the organization practically throughout his life.

W. H. Campbell is the oldest living employe in point of service. He has completed his fiftieth year, being the fourth to be awarded the diamond service pin. This emblem had previously been awarded to:

Adolph Mueller  
Frank Zetterlind  
Robert Mueller

The two last named are deceased.

### Let the Women Do the Work

Attending the banquet were 12 women who have accomplished 20 years or more of service. An analysis of their association with the company may interest you. They are equally divided between office and factory.

Margaret Behrends, core room.  
Laura Becker, core room.  
Maria Overfield, cafeteria, plant 1.  
Emma Thomas, cafeteria, plant 3.  
Flossie Poe, matron, plant 3.  
Margaret Woodruff, chemist.  
Helen Brannan, cashier.  
Niema Cochran, assistant, purchasing department.  
Ethel Dixon, secretary to Adolph Mueller.  
Helen Pope, assistant, Works Manager L. W. Mueller.  
Estelle Stille, main office.  
Marjorie Tatham, secretary, President W. E. Mueller and Vice-President J. W. Simpson in charge of sales.

### Husbands and Wives

Two instances of husband and wife completing 20 years or more: Charles C. and Niema Cochran. The former is plant protection officer and the latter assistant in the Purchasing Department throughout her long association with the company.

Ed and Estella Stille. Ed is maintenance chief and electrician, and Mrs. Stille is in the accounting department.

Here is a list of fathers who have served the company for twenty years or more and of sons and daughters who have followed in their footsteps. Those who have entered the military service are so indicated but are still classified as Mueller Co. employes because it is the intent and purpose to take them back when the war ends. Others not indicated are still employed:

Herman Amman ..... Paul Roy, Army  
Donald, Army  
Ira Auer ..... Clifford, Army  
William Dannewitz..... Robert  
Jesse Ditty, Sr. .... Jesse, Jr., Army  
Carl Draper ..... Billy, Army  
Charles Dunaway ... William  
Jerome Edwards ..... Myron  
Wilbur  
W. S. Enloe ..... Charles, Army  
Mike Fleckenstein... Merle  
Joe, grandson, Army  
Al Golembeck ..... Hilda, daughter  
O. J. Hawkins..... Jane Wheeler, daughter  
Paul Jeschawitz .... William, Army  
Edwin, Army  
Henry  
Burt Jackson ..... Opal, daughter  
Robert Lusk, Sr. .... Robert  
Charles Meador ..... Archie  
Fred, Army  
Earl Meador ..... Fave Turner, daughter  
Donna Walters, "  
Elmer Miller ..... Charles Miller  
Alva Morrison ..... Virgil  
William A. Nash.... Betty, daughter  
Maria Overfield .... Hazel Riedlinger,  
daughter  
Marion Pippin ..... Everett  
Al Ridgeway ..... James A., Army  
Frank  
Robert  
Julius Riewski ..... Martin, Army  
Marie, daughter  
Barney Riley ..... Van, Army  
Clarence Rubicam .. Jack, Army  
Lewis Runion ..... Ralph  
Preston Ruthrauff ... Press, Jr., Army  
Jack, Army  
Ray Sailsbery ..... Eloise Butler, daughter  
C. Herman Salefski.. Walter Army  
William Shockley .. Lloyd  
Gertrude Hendrickson,  
daughter  
Cecil Short ..... Russell  
Orville Spencer ..... Orville, Jr., Army  
Eugene, Army  
Albert Spitzer ..... Arlene Carroll, daughter  
Frank Taylor ..... Robert  
Herschel Wacaser .. Dale, Army  
Roy Wood ..... Paul, Army  
T. E. Hoy ..... Mildred, daughter  
Clinton Wright ..... Wayne  
J. W. Simpson ..... J. W. Simpson, Jr.  
Gene Simpson, Army  
S. M. Yonker..... A. O. Yonker, G. J.  
Yonker, L. E. Ross (grandson), Geraldine  
Yonker, granddaughter

## UNFIT HOMES

### Conditions That Can Be Remedied Only By Sanitary Plumbing

"Cleanliness is next to Godliness." is an aphorism accredited to John Wesley in 1740. But the great Wesley was not original. Bodily cleanliness had been preached and practiced centuries prior to his time. All this, however, has failed to acquaint millions of people with the joy, the satisfaction, and the civilizing influence of a clean body, clean linen, and an inseparable adjunct, a clean mind.

#### Plumbing Invaluable

The plumbing industry has been an invaluable contributory means to personal cleanliness, but the field has scarcely been scratched. We have laws, many senseless and disregarded, but there is room for a law, which will provide universal sanitary homes for all people through modern plumbing.

In a sentence, a law that will make such plumbing a necessary part of all building. There is no doubt that plumbing has done more for health than all the pills and powders that catch the eye in print or offend the ear on every radio.

#### Across The Tracks

This thought came to us while driving through a section "Across the track". In an unpainted little house with a tumble down shack at the rear, we saw a man and family sitting on the porch. The man wore a pair of overalls—otherwise his body was naked—even his shoes and socks were missing. When and how does this family bathe? How do they live minus any toilet room? Where do they get drinking water chemically treated to protect health? Why should we expect a higher and better type of citizen when people are denied what now are considered common necessities of life?

#### Not Exceptional Case

This picture of one home is not an exceptional case. It is not confined to any one city. Every city in the United States has such blots threatening the health of the family and the community.

Many cities have specific building regulations for certain sections. Why not apply the simplest sanitary regulations to all sections, if for no other reason than the selfish notion of protecting the entire community, regardless of the individual.

The way is simple—the pathway is modern plumbing.

#### Stockbreeder's Example

The successful stock breeder provides shelter for his swine and keeps them clean

and in healthful condition to insure against the ravages of disease or against poorly developed second grade hogs and low price on the market.

Surely human beings, speaking in a comparative sense, are entitled to as much.

It may be some time in the future, but the day is coming when plumbing will solve this problem through legal channels. The start has already been made.

It will cease to be the case of "There ought to be a law against it."

There will be a law.

## WEARERS OF SLACKS

### Are Doing So In The Face Of A Biblical Injunction

That men are more critical of women's fashions than the women are of men's, we give up in the beginning, and refuse to be cajoled or drawn into an argument. It is not our intention to criticize present female fashions. They are too funny to miss laughing at, and we have no desire or purpose to yield an opportunity to have a good time while the show is going on.

#### Slacks

Take the slacks that have become so popular. When it comes to appropriateness for certain types of work or just for lounging, they fill the bill to a nicety, or does the girl do the filling? Anyway you put it a shapely girl of about five foot seven and weighing something like 140 pounds, in trim colored slacks, and a roguish hat on her head is an object of honest approval and admiration.

#### The Hefty Ladies

On the other hand, take the lady of fifty years and two hundred and fifty pounds of avoirdupois in slacks designed for a girl weighing not over one hundred and sixty pounds, and we laugh. Emphasized curves fore and aft, and masts and yard arms of bursting diameter contribute to the general hilarity of the multitude. Every time we see one of these "fashion refugees" we cannot refrain from paraphrasing Major Bowes familiar opening lines: "Well, round and round she goes, and when she'll stop nobody knows."

Far be it from us to unduly alarm the slender and robust ladies, but we feel it a duty to tell them in adopting men's apparel they are violating biblical teaching. There is no penalty mentioned, but the language is plain and understandable.

#### Fair Warning

"The women shall not wear that which  
(Continued on page 29)

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## BUY BONDS

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Get on the beam! "Praise the Lord, and buy the boys ammunition with U. S. War Bonds. Do it now! Do not delay! Remember it takes bonds to buy bullets.



★ ★

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## BUY NOW

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Every \$18.75 War Bond buys nearly 1,000 rounds of .45 calibre cartridges. The more dead Japs and Nazis the sooner victory. Buy Bonds.

There are two ways of looking at the purchase of war bonds.

One is through the glasses of patriotism, which is paramount, and the other looking through glasses of the future for profitable returns.

There should be no selfish motive in looking at the question from either of these angles—one is a duty owing your country—the other just good, careful, business procedure.

In either instance one should buy all the bonds possible, first after looking through the glasses of patriotic duty, and second through the glasses of farsightedness.

Anyone may guess the future following the war, but with no assurance of accuracy or finality.

When the last shot is fired there will be an immediate change in the minds of statesmen, diplomats and militarists.

Some months after peace is declared we will begin to realize what it was all about and who got the big slice of the cake of victory.

In the uncertainty of the future a nice package of bonds are going to have a pleasant feeling in your hands.

Its not unpatriotic to buy bonds as a personal investment because in doing that you are knowingly or unknowingly answering your country's call for financial aid.

Every time you buy a bond you have fired both barrels and made bull's-eyes on both targets—patriotism and profitable farsightedness.

Buy Bonds Now to the utmost of your financial ability. If forced to sell them you get your money back—if you keep them you make money at maturity.

Every \$3 of payroll savings now will pay you \$4 later.

Every bond you buy means 950 .45 calibre cartridges, a possible 950 less Japs and Nazis.

It takes the Army, the Navy, the airplanes to save the world's freedom—our freedom, which we have loved and upheld for 167 years. It takes our money to uphold this freedom by buying war bonds and paying taxes, but think of the returns those bonds will bring you in ten years. Think of the changed conditions, when you may have passed out of the picture, when your family meets with disaster calling for money to support and keep together the family, to clothe and to educate the children. Then your forethought in buying bonds will stand out like a gem of thoughtful wisdom.

■ ■ ■

There is no use and no advantage in pointing out the cost of other wars, for instance the Civil War which did cost as much in 4 years as this war costs in 4 days. What we have got to face is this war and whatever the cost may be we have got to pay. The one way you can help is in BUYING BONDS. And the time to BUY them is NOW.

\* \* \*

War Bond purchases pave the way for tomorrow's pleasures.

\* \* \*

Inflation—the rise in the cost of living—robs you of your savings and the buying power of your money. Invest all you can in War Bonds and lick this deadly enemy.

\* \* \*

This is your war. Fight it constantly by purchasing all the War Bonds you think you can and then buy some more.

\* \* \*

Don't dabble in defeat—Invest in Victory. Buy more and more War Bonds.

\* \* \*

"Tool up for Victory" by buying War Bonds!

\* \* \*

"The Price of FREEDOM is Eternal Vigilance." BE VIGILANT! Buy UNITED STATES WAR BONDS!

## HYPERBOLE HARTUP

Entertains Friends With Imaginative  
Tales Which No One Accepts  
As Facts

In the thriving little city of Newark, Ohio, James Hartup is superintendent of Water Works. He is more than a good scout and



a local celebrity, because of his cheery disposition and his boundless imagination. When a high wind sweeps the city, there is no uneasiness or alarm; and there is no scurrying for basements. If a stranger shows signs of nervousness, residents pacify him: "Take it easy," they say soothingly. "Don't worry. That's only Jim Hartup blowing off again."

"I know," said one alarmed stranger, "but hear the thunder." More reassurance is necessary, and the citizens give it. "That's not thunder; it's applause given Jim."

In all there is a lot of satire and ridicule concealed in Jim's whimsical imagination. We have a clipping from a Columbus, Ohio, newspaper, which publishes his account of a building he contracted to erect. It was a structure of seven stories with a 50-foot smoke stack. It was to be done within a certain time. A penalty for every day over the deadline, while the builder was to get a bonus for every day he beat the limit, which he did by 18 days. How did he do it? Easy enough. He put a big force at working up from the basement and another big force working down from the top of the chimney. We don't know just how they held it together in the middle, but even in telling you about this great achievement, we became inoculated with Jim's romancing experience. It was done with paper tape. The article referred to was signed, "Lying Jim."

We don't like the sobriquet Dean Swift wrote "Gulliver's Travels", fantastic and wholly impossible, while Lewis Carroll did the same thing in "Alice in Wonderland." The former was a great English churchman and statesman, while the latter was an Oxford professor of mathematics.

They are classified as geniuses, and that's how we shall index Jim.

### Addenda

An afterthought brings to our mind an Illinoisan living near Cairo of the same type. Finally he sprung a story about an enormous whale beached near Cairo. Everyone rushed

to see the unusual sight. Finally the author of the story started in a wild gallop. Asked by a friend where he was going in such haste, he called back, "By Gawd, I'm gonna see that whale myself."

Be careful Jim. "Take keer of yourself".

## FASHIONS IN TATTOOING

In the July issue of the Mueller Record, we carried an article on the subject of Tattooing. This was suggested by the announcement in a municipal paper, which gave the information that the city of Petersburg, Virginia, has "passed an ordinance levying a \$100 license tax on tattooers. This pagan practice is not entirely limited to the heathens. There are many civilized persons, at least they live in civilized surroundings, who resort to these decorations on their bodies, generally on unexposed portions.

### Moving Pictures

Draft boards are compelled to make a searching and quite intimate examination of each draftee. The members of the boards may not have been shocked, but they have been surprised and amused at the extent to which tattooing has been resorted to according to the Chicago Sun.

### A Few Examples

An Illinois sailor has a cartoon on his chest about a gob rowing in the park on his day off.

A New Jersey tailor has the names of ten customers who failed to pay him.

A Kansas College boy had some "crib" notes for a chemistry exam on his left wrist.

A Montana boy has complete measurements of his girl friend on his back, including height and weight.

A wrestler from Utah has on his left ankle a note on "How to Break a Headlock."

### A Woman's Privilege

Conductor: "How old is the little girl?"

The Child: "Mother, I'd rather pay the fare and keep my age to myself."

The two most engaging powers of an author are to make new things familiar, and familiar things new.—Johnston.

A good cause makes a strong arm.

Beware equally of a sudden friend, and slow enemy.—Home.

All thy virtue dictates, dare to do.—Mason.

The bitter clamor of two eager tongues.—Shakespeare.

## SHOTS AT SAFETY

### Observe Advice Given and Be On Your Way To Hospital

Preaching safety is quite a bit like preaching religion. Lots of listeners but few converts.



Accidents are not confined to industry and automobiles. The home stands high up in the list. There are certain advantages. It saves having a clanging ambulance attracting all the neighbors to the door for speculation on whether it is a case of an overload of spirits frumenti, or an honest to goodness accident.

All this can be averted by a home accident. Then all you have to do is drag the victim to bed, and if he is worth the fee, summon the doctor.

#### Lots of Them

All types of accidents amount to about ten million in this land of carelessness. Of this number nearly one hundred thousand escape any future possibility of accident through the process of natural elimination known as death.

A large percentage of accidents happen in the home, not once to the same person, but repeatedly. Once in a while a man or woman learns that fire really burns, but most of them just keep on piling up additional proof.

#### The Blast Furnace Man

An example of this was furnished by a blast furnace man who worked safely for years in his dangerous occupation, and at home tried to handle a kettle of seething doughnut grease with his bare hands. Weeks later he got back to his blast furnace which he knew was safe.

In this category was the brave boy from Guadalcanal, who faced death many times. He charged madly in the dark over rough ground and tangled brush and briars without a scratch. In the house which he was born and reared in he promptly fell down stairs and was badly injured while home on a furlough.

#### The Wet Cake of Soap

There are so many cute little ways of having your accidents at home.

There is the wet cake of soap in the bath tub instead of in the tray on the wall. Step on that and then disregarding all landing rules you'll likely be picked up between the

toilet and the lavatory. A broken arm is among the minor possibilities.

There are many variations in the ubiquitous cake of soap for a beginning of an accident. Instead of putting it in the tray toss it out on the tile floor. The results are not so spectacular as operating from within the tub, yet you can get a very "good hand" if one liking gymnastics is nearby. A few bumps, bruises and some broken bones are among the booby prizes.

#### Poisons

Then if you like funerals—some do but they are the ones who do not have to pay the bills—keep unlabeled poisons in the medicine cabinet. Any numbskull can tell by the feel of the glass, whether it is cough medicine or carbolic acid, so why trouble about flicking on a light. Just take a swig, and then call the doctor first—let the undertaker come later. Eventually, if not immediately, this will have to be part of the program.

Don't hesitate to stand in a pool of water and turn on the electric light with a wet hand. In a great many cases your body becomes a fatal conductor and you become a pale faced cadaver.

#### And the Ladies

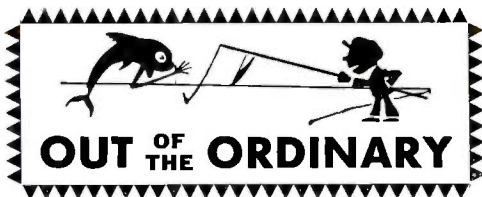
When it comes to falls "Leave it to the ladies". The drum major of the list is a chair with the seat packed with magazines to enable her to reach an almost invisible mosquito in the corner of the ceiling. The result is that the mosquito stays up while the lady goes down. This is a sure bet. Falls constitute one-fourth of home accidents. A simple method of cinching the pennant in this sport is to leave various objects on the floor. Anything from old slippers to carpet tacks or the kid's bicycle.

Burns are a close second to falls. Here is another red and rosy path to the hospital. In picking up a hot skillet never reach for a cloth for protecting the hand. After you've run for a cloth and a bunch of cotton soaked in some soothing remedy, then sit down and meditate. Nothing so valuable for promotion of meditation as the well blistered palm of a hand. Under the circumstances it's permissible to call yourself a "damn fool" or any other lady-like swear words which you know and have in stock.

Carelessness, thoughtlessness and undue haste are the triangle of most household accidents.

None are so blind as those who won't see and none are so dumb as those who won't learn and so accidents continue to march through life in a limping, bone breaking, death dealing procession.





**Stamps Stick to Fingers:** A Philadelphia man served as office boy from youth to middle age receiving remuneration of \$17.00 per week for 25 years, but he lived very comfortably and happily. He explained how just before stepping into the boat to cross the River Styx. It was a swell job and easy. Every day he nipped 100 two-cent stamps.

**The Family Pants:** Answering the rap at the door, a good-sized school boy faced the truant agent. "Can't come to school today," he said, "my sister tore her pants yesterday and had to wear mine today." Sister worked in a factory making bombs.

**Magic Meat:** "You have no meat, eh!" said the magician to a waiter in a Los Angeles restaurant. "Well, here's some," he said, producing a live rabbit from somewhere on his mysterious person, "serve it medium well done."

**Just Rollin' Around:** Asa Hall, Mexico, Mo., rolled into Decatur on roller skates the other day. Asa is 55 years old and has "had his skates on", touring the country since 1917. Round and round he goes and where he'll stop nobody knows.

**Playing No Favorites:** A WAC serving as motor "policeman" in a Massachusetts town caught up with a speeder and found him to be her husband, but gave him a ticket just the same. He accepted it without a word—saved the words until they met at dinner.

**Then the Phone Rang:** Mrs. Margaret Wilkes of Laurens, N. C., writing to her husband, a lieutenant in the Medical Branch of the service, South Pacific, said: "Wouldn't it be wonderful if the phone should ring and it would be you calling from San Francisco telling us you were coming home on leave." Just then the phone rang. You guessed the rest—the doctor was on his way home.

He: "Since I met her I can't eat, I can't sleep, I can't drink."  
 She: "Why not?"  
 He: "I'm broke."

## A WRIGGLING WORM

That is Until Some Chicken Picks Him Up Is Opinion of Woman

Marcus Antonius speaking over the dead body of the misguided Brutus gave us this epitomy of the constituents of a man, when he said: "His life was gentle, and the elements so mixed in him that nature might stand up and say to all the world, 'This was a man'".

Good oratorical hash, or theatrical artistry. Occasionally we all have met up with characters who seem to have inherited, at least, a pigment of the colorful word portraiture by the eloquent Antonius.

But, alas and alack, times have changed the mental gymnastics of succeeding generations, and today all the world does not stand up and say "this was a man". The modern picture of this abused biped is best described by Byron:

"By which the man, when  
 Heavenly life was ceased,  
 Became a helpless, naked  
 biped beast,

We get an inspiration from Texas Titles, name of the author missing,—on a second thought, we think "authoress" more probable: a few excerpts from this essay on men may interest you.

"Men are what women marry. They have two feet, two hands, and sometimes two wives, but never have more than one dollar and one idea at a time.

\* \* \*

"Like Turkish cigarettes, men are made of the same material, the difference is that some are a little better disguised than others.

\* \* \*

"They are divided into three classes; Husbands, Bachelors, Widowers.

\* \* \*

"An eligible bachelor is a man of obstinacy, entirely surrounded by suspicions.

\* \* \*

"Husbands are of three varieties: Prizes, surprizes and consolation prizes. Making a husband out of a man is one of the highest plastic arts, requiring science, sculpture, common sense, faith, hope and charity.

\* \* \*

"If you flatter a man, you frighten him to death, if you don't you bore him to death. If you permit him to make love to you, he gets tired of you in the end, and if you don't he gets tired of you in the beginning. If you believe all he tells you, he thinks you're foolish, if you don't he thinks you're a cynic. If you wear gay colors and a striking hat, he hesitates to take you out. If you wear a brown turban and plain suit he

(Continued on page 31)

## FOUR CUPS DAILY

That Is the Average Amount of Coffee  
A Soldier Wants



The average soldier wants four cups of coffee daily. Personally we get along with three cups at breakfast. Then we are "cof-fee'd up" for the day. Drinking coffee is somewhat akin to drinking liquor, a habit. The victim or addict cannot always tell just why he drinks either. In most cases it is for the effect, although in the case of coffee, the taste is agreeable, which is not so true of liquor. There are many who "fight" liquor to swallow it, so it must be the effect they are seeking.

Both habits reach back to time immemorial and that's where any comparison ends.

Coffee grows on a small tree or shrub. It was originally introduced from Kaffa, Abyssinia, and taken into Arabia at the beginning of the fifteenth century. A hundred years later it became popular in Constantinople. About the middle of the seventeenth century it was introduced into England. As a cultivated crop it reached America from French plantations in Martinique.

Coffee requires a moist, tropical atmosphere, a rainfall of from 100 to 150 inches or its equivalent irrigation, a minimum of 60° to 70° degrees and an altitude of from 1,000 to 3,000 feet. The plants begin bearing in the second or third year, reaching full bearing age in the fifth season. They continue until 30 years old and produce a profitable crop of about 700 pounds per acre. They naturally reach a height of 20 feet but this is regulated to about 10 feet by pruning. The berries are harvested about three times a year. They are then washed, go through a certain process of fermentation and then

dried in the sun. After all this they go through a milling machine for removal of the parchment enclosing the berries.

In all of these processes there is a slight loss of the active ingredient known as caffeine.

There are as many different methods of preparing coffee as there are tastes. We never knew any one, man or woman, who could not make "the best coffee you ever tasted." This is just to bring to your attention how imaginative and conceited humans are. We regard the making of coffee as a fine culinary art.

Coffee is a stimulant to the heart and nerve centers and also increases activity of the skin and kidneys.

It often removes the sense of fatigue, but used in excess it may act as a poison, producing toxic symptoms such as tremor of the muscles, nervous dread and palpitation of the heart. Coffee is an antidote to poisoning by opium and alcohol.

You can't always tell when drinking coffee just what it really is, as it offers so many opportunities for adulteration when ground. Among the favorite adulterants are roots of dandelions, carrots, beans of various varieties, rice and other cereals and seeds of several kinds. Some dealers don't stop at the sneaking use of adulterants in a limited way. They go on the principle of "whole hog," and "make coffee" by wholesale substitutes of any grain, cereal or what have you.

Coffee is classified under various names—Java, Mocha, etc. Any mild coffee is called Java. Mocha formerly came from Arabia, but now from Brazil.

The difference in flavor is not so much in the coffee berries as in the skill shown in the roasting process.

■ ■ ■

### ENGLISH ARE PUZZLED

An English writer in a magazine article tells us goodnaturedly about the oddities of American soldiers, who behave and speak in "a rawther surprising way in public and private". He is not severe in his criticism. On the contrary he "rawther" enjoys their youthful ebullition of spirits. Following is a sample of what he observed in Americans.

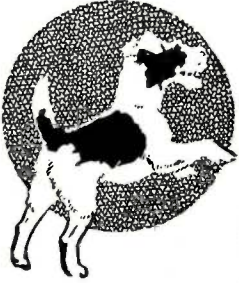
"Dinner was being served in a London boarding house in which an American was lodged. The proprietress, bringing in a dish of soup for the American, remarked 'it looks like rain'."

"Yes, it does, but it smells a little like soup."

How could it smell like anything else? asked the writer, adding very seriously: "It was soup. Ha! Ha!"

## Animals In The News

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



First Mosquito:  
"Hooray! Here comes  
a new arrival."

Second Mosquito:  
"Good! Let's stick him  
for the drinks."

● Some unknown wit  
describes a dachshund  
as "a dog a dog and  
a half long and a half  
dog high."

● Teacher: "Who is man's noblest friend?"  
Johnny: "The hot dog, of course—it actually feeds the hand that bites it."

● Insects outnumber all other land pests. Not satisfied with this distinction they reproduce in vast numbers. The house fly is a convincing example. "Where do they all come from?" is an often repeated query. Briefly, the answer is, manure. This is a favorite breeding place. Within four to eight days after mating the female begins depositing from 100 to 150 eggs at one time. The eggs begin to open in from eight to thirty hours and reach maturity in from five to fourteen days. In a few days later the females begin the same performance. One record shows 21 batches of eggs in one season, a total of 2,387 eggs, from one fly. The average, however, is 500 eggs. The whole life cycle may be completed in from six to twenty days or more. Among the diseases caused by these pests are: typhoid fever, diarrhea, amoebic dysentery, tuberculosis, anthrax, leprosy, tapeworms, hook worms, round worms, whip worms, Asiatic cholera and others.

It's time to swat the fly.

● "I paid five hundred dollars for that dog—part collie and part bull."

"Which part is bull?"

"The part about the five hundred dollars."

● Dogs have been going to war for some time. Now pigeons are being "inducted". It has been demonstrated that pigeons dropped from a plane traveling 200 miles an hour at 14,000 feet altitude land safely and go to their portable cotes. An army officer superintending the experiment says, "They blossom out their feathers to check the speed of the drop to lower levels, and when

at proper level, begin flying for their cotes." Army men see great value in use of the birds in requisitioning supplies and bringing in reports of positions of airmen.

● Three little birds sat on a limb.

First little bird: "Who's that sitting on the bench below us?"

Second little bird: "Oh, that's the guy who fired buckshot at us the other day."

Third little bird: "Well, what are we talking for? Let's drop it."

● Donna Bell, registered Guernsey cow owned by Bunning Brothers, Moweaqua, Illinois, accepted it as a case of nature taking her course, when she gave birth to triplets, but she surprised her owners and other stock raisers. They say it is very unusual, especially when all the calves live as these triplets did. Donna Bell's contribution to high grade stock was two heifers and one bull.

## NUTRITION

Gradually we are obtaining a liberal education in medicine, science and mechanics. It would be self applied emphasis of ignorance to say that we knew nothing of nutrition. We accepted it as the processes of digestion, and if it gave us no trouble after partaking of food, we accepted that as evidence of the food's nutritive value. On the other hand, if it gave us the belly-ache, we condemned it without calling in a medico, scientist or expert, such as the war condition demand, and they tell us many things of interest, and no doubt value, as some of the following may indicate.

Dr. Henry C. Sherman, Columbia University, offers an extra decade of life, through the simple expedient of increasing natural foods in our daily diet.

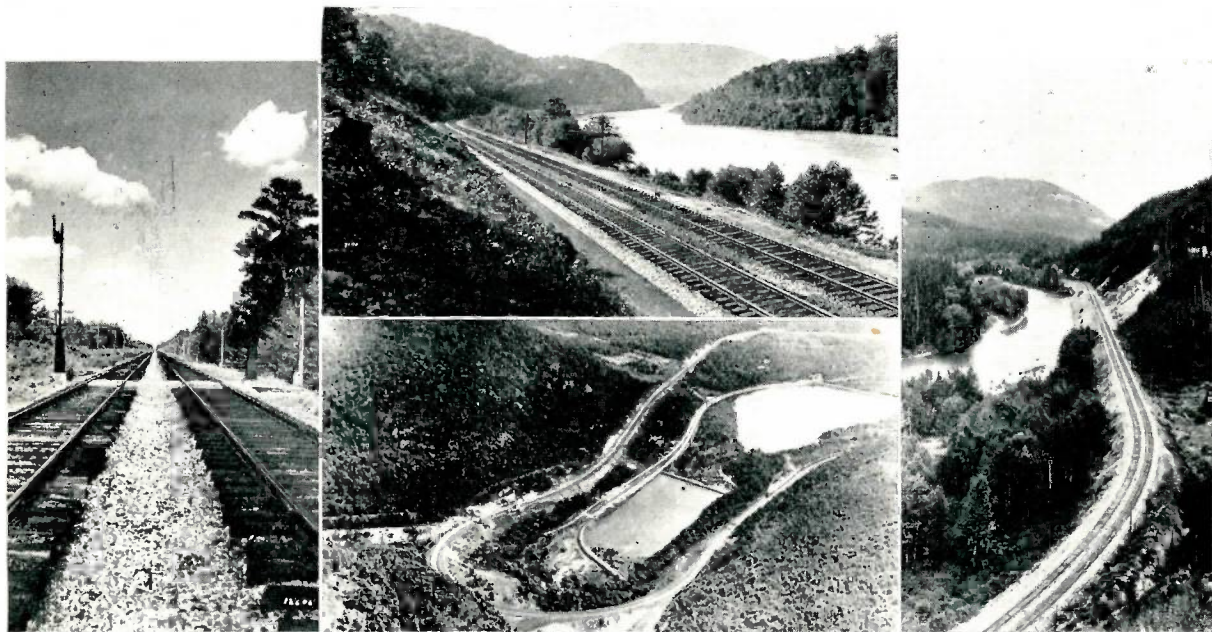
Dr. Russell M. Wilder, Mayo Clinic says, "putting house dresses and aprons on nutritional information—getting the facts of proper diet into the kitchen in every day language is a national MUST.

High income has nothing to do with proper diet, H. A. Callis of the Journal of the National Association, tells us. "Deficiency in food value is widespread, even on the "right side of the tracks".

Hidden hunger is like an iceberg. Nine tenths of it, the most dangerous part, is below the surface.

Then there was the gal who got mad because her boy friend said, "I like your size . . .

# Railroads Remain the Backbone



—Photographs courtesy American Railway Association  
Left—Norfolk and Western main line through Dismal Swamp in Virginia. Upper center—Norfolk and Western double track line along New River east of Roanoke, Va. Lower center—Famous Horse Shoe Curve, Pennsylvania Railroad in Pennsylvania. Right—Great Northern Railway along Flathead River in western Montana.

The president of one of the great railroad systems says that he never expected to see conditions in this country, such as the present, when railroads "are compelled to ask travelers not to use this method of transportation." Previously they solicited such patronage. Every known convenience, comfort and service were used as levers to fill passenger cars and sleepers and diners. Personal conveyances such as privately owned automobiles, weaned hundreds of thousands of travelers away from railroad travel.

## Railroads Still the Backbone

Now the restrictions on gasoline brings back the desire and necessity for train travel, but railroads are of such vital need in wartime demands that they feel it a patriotic duty to tell the public to keep off the trains if possible. It is an unusual condition, but emphasizes the fact that despite automobiles for pleasure driving and lumbering trucks clogging the highways with freight, steam trains still form the backbone of the country's transportation.

They take you into every nook and corner of the country, giving you every comfort, normal times, meals as good as obtainable in the best hotels and restaurants, inviting

beds in which to sleep and porters anxious to carry out your slightest wish. And to do this they pay enormous taxes, wages, equipment and upkeep, all of which runs into billions of dollars yearly. On any journey in any direction the railroads carry you to the most entrancing beauty spots in the world.

## Always Different

Visualizing these as nature made them or glimpsing them from photographs, they show a similarity in some particulars but always something different in setting or in detail. You do not have to leave Pennsylvania to get a view of mountains. These are only a few instances that might be cited.

## Horseshoe Curve

Old and well known as it is the Pennsylvania's Horseshoe Curve retains its interest and is always new to some traveler. At one time it was regarded as an outstanding engineering accomplishment. Its interest is still there, although there are more spectacular engineering achievements in the country nowadays. In spite of this there is always someone on a "Penny" train anxious for a first view of the bend.

The Norfolk and Western double track line along the banks of the New River, west of Roanoke, twisting and turning through the mountains, presents entrancing bits of scenery at every foot. They may not be as majestic as the massive Rockies, but Virginia's mountains are big enough to enthrall any lover of the wonders of nature.

#### The Dismal Swamp

This same line furnishes a pleasant and interesting trip through the Dismal Swamp which we are inclined to associate with slavery days, poetry and stories, not to add to the imagination the presence of reptiles, and wild birds and beasts that might infest the weird jungle. The Dismal Swamp is a large coastal marsh in southeast Virginia and northeast North Carolina. It is twenty miles long and ten miles wide, heavily timbered, mostly with cypress trees shading dense cane brakes. There are canals through it, the largest connecting Chesapeake Bay and Albemarle Sound. It is gradually diminishing and being brought under cultivation, due to the canal drainage, however, the name of Dismal Swamp still makes one feel creepy.

#### The Sublime West

When it comes to majestic mountains and railroads afflicted with Curvature of the Tracks, which tried the skill and ingenuity of engineers, the West stands out in glaring sublimity. This is largely due to the enormity of the task, the ponderous bulk of the mountains and their elevation, and the tumbling, roaring creeks and rivers. The beauty and diversity of the scenery is mostly denied close view from an automobile. Luckily, methods of transportation like other things in America, has no permanent monopoly on ways and means of routes.

#### Last Call

Personally we cannot conjure any mechanical sight as wonderful and thrilling as a majestic locomotive turning the drivers at seventy or eighty miles an hour, followed by twelve or fifteen gorgeously equipped cars filled with happy and contented travelers. Nor do we know any more cheerful notes than the dining car conductor calling in musical tones "Dinner now ready in the diner, three cars ahead".



#### The Truth

"And you mean to tell me that in your section of California you have 365 days of sunshine a year?"

"Exactly so, sir, and that is a mighty conservative estimate, too."

The average life of a male infant born today is 62 years, that of a female 65 years.

## AMONG THOSE PRESENT

### Referring to the Army of Helpers in Washington, D. C.

There seems to be enough representatives of "we the people" at Washington, D. C., to do things, but occasionally "we the people" at home get a bit impatient and fretful. We ask ourselves "Why don't they do this, and why don't they do that", and echo answers "why."

Without any other knowledge of the situation, we suspect that there are so many down there that they get in each other's way. Outside of 435 Congressmen and 96 Senators who are there by consent of the voters, there are departments, commissions, bureaus, and committees to carry on in special lines of endeavor, and these support hordes of assistants to excite our wonder.

The Chamber of Commerce of the United States throws some light on the expansion of payrolls, which is interesting as a matter of information without criticism or comment.

This pace of expansion, says the Chamber of Commerce, has been entirely without precedent. The total in September 1939 was placed at 940,000, a little higher than the civil employment during the first world war. Since that time the total has mounted fifty per cent each six months. The salaries paid in war agencies has been so liberal that the amount of the payroll has increased more rapidly than the number of workers. Continuing, the Chamber of Commerce says: "The number of employees in the major war departments and agencies has reached totals dwarfing completely anything previously known. The civilian employees of the War Department increased from 110,000 in July 1939 to 1.3 million in 1943; Navy Department from 85,000 to 580,000. Between July 1942 and April 1943, employees of the Office of Price Administration increased from 23,000 to 52,000; the Office of Defense Transportation, from 718 to 3,760; the War Manpower Commission from 528 to 3,760; the Office of War Information from 2,400 to 3,700, and the War Labor Board from 136 to 1,640."

And there is still room for a few more if the present crowd moves up a little.



#### Never Changed

"Do you act toward your wife the same as you did before you were married?"

"Just the same. I remember when I first fell in love with her. I would lean over the fence in front of her house and gaze at her shadow on the curtain, afraid to go in. And I act exactly the same way now."

# New Officers of N. A. of M. P.



*Top Center: Ralph K. Landreth, President, Amarillo, Texas. He was chosen unanimously without opposition.*

*Upper Left: Howard Reed, Vice-President Jackson, Michigan.*



*Upper Right: Patrick G. Clanahan, Secretary, Houston, Texas.*



*Lower Center: George H. Werner, Treasurer, Orange, N. J. Former National President, but for several years past Treasurer.*

The Record presents to its readers the new officers of the National Association of Master Plumbers. Selections of officers of an organization such as represents the plumbing industry carries with it an honor and certain distinction. It also carries with it plenty of hard work, which calls for studious application to problems confronting the industry as a whole. Men are chosen for these key positions mainly because of their record and their broadmindedness in grasping trade problems affecting the industry as a whole and not as individuals.

At this time the entire nation faces a problematical future, filled with uncertainty and in some instances indecision.

## Full of Confidence

The plumbing industry is facing this fearlessly. It constituted the leading topic at the recent national gathering. The proceedings of this important gathering indicate that the cool-headed, thinking men refuse to be stampeded by gossip, guessing, experiments or new innovations. There is not going to be any haphazard plunging. The purpose is to move cautiously, select the best and most practical paths and then move forward under what the post-war conditions demand.

As one speaker said, he disagreed sharply with the thought that we would face some sort of social revolution following the war. He prefers to call it an "evolution" meaning

progress. "As to post-war products it is my opinion that they will be the 1942 models," he said.

Another speaker ridiculed those who declare the "plumber is doomed." Any transition to new substitutes will be gradual. He predicted a return to iron and steel bath tubs as soon as the government can release the raw materials. The use of other materials for tubs may come but glass, plastics, ply materials, aluminum, etc., will require testing experiment, and testing of materials, processes, and public acceptance. Designs will be more likely to change than materials.

The above was given by men representing the biggest plumbing manufacturers in the country.

## Room for Improvement

In his summary of the post-war symposium, N.A.M.P. President Merryman declared that those substitute products which measure up to the industry's needs and which survive competition, will continue to appear in the industry. He acknowledged that there is plenty of room in the industry for improvement over old designs and old materials. He doubted, however, that there would ever be an extensive market for prefabricated homes.

An address by F. M. Dawson, Dean of Engineering, Iowa State College, on the use of plastic materials in plumbing systems, was of particular interest. It is a subject widely discussed at this time. The Iowa College

has been making exhaustive tests. The Dean named Saranplastic as most suitable for plumbing. This has been used for years for oil lines and corrosive chemicals but as experience did not give any good indication of how the material might behave when used for plumbing, it was tested.

"The lecturer's conclusions were in general that replacement of critical materials by plastic parts in certain plumbing materials will prove satisfactory," says a trade paper. "How long the plastic materials will stand up under use can only be determined by field experience. Where close tolerances are required, plastics are not so useful.

"The idea that plastics will replace present materials does not seem justified by an examination of the facts involved," said Dean Dawson, pointing out, however, that new developments will undoubtedly change the present picture. "Saran tubing is worth trying for cold water lines inside building in place of copper. For hot water, it should be used experimentally only."

■ ■ ■

### THE LATE C. E. INMAN



C. E. Inman

The funeral of the late C. E. Inman, whose death was mentioned in the July issue of Mueller Record, was in the nature of a civic demonstration in honor of standing as a citizen and official of Warren, Ohio. For 34 years he had been head of the water department, and during this time the development of the plant had been one of steady

growth and improvement.

On the occasion of the funeral city officials and employes attended in a body. Others attending in groups were the Kiwanis club, Community House board, Y.M.C.A., and Social Workers Club and other organizations in which Mr. Inman had been an active member. The active pall bearers were members of the city water department, including I. B. McDowell, Joseph Hapgood, Paul Price, Philip O'Connor, Fred Atwell and Clyde Muhollan.

■ ■ ■

Black ambition stains a public cause.—Pope.

Fools rush in where angels fear to tread.—Pope.

Any man that can write, may answer a letter.—Shakespeare.

## RECORD IN CHINA

### L. W. Howard of Enid, Oklahoma, Sends Copy to Son

Among the letters reaching our desk was the following from Mr. L. W. Howard of the Baker Manufacturing Company of Enid, Oklahoma. He writes:

"The writer's copy of the 'Record' is read, and then sent to my youngest son who is with the 10th Air Force, somewhere in China.

"We know the 'Record' is thoroughly read and enjoyed by the whole group, as those boys are as near to being out of circulation as it is possible to get a group isolated on this globe. See April 12th issue of Life."

This is of interest to us in showing how our magazine may travel to strange and distant parts of the world. At the present time the MUELLER RECORD goes to all quarters of the world, Germany excluded, but we are quite sure that it will be reaching some of the Mueller employees in that country — after the Army of Occupation marches in — and that day is drawing nearer—don't believe anyone who tries to upset your confidence.

Mr. Howard's thoughtfulness is not an exceptional case. Since American boys have been overseas many of our readers have advised us that they never fail to send the copy of the Record received by them to some boy in training or overseas. It is indeed pleasant to know this.

Suppose you do likewise.

■ ■ ■

(Continued from page 19)

pertaineth unto a man, neither shall a man put on woman's garments; for all that do are abomination unto the Lord thy God."

Deuteronomy XXII;5

We had to do quite a bit of digging around to get that quotation, and are not over enthusiastic that it will arouse any terror in the minds of those who wear slacks. It is our desire to put ourself in a position to say: "We told you so, and anyone who defies the bible must suffer the consequences—and don't blame us.

■ ■ ■

We ask advice but we mean approbation.—Colton.

As you are old and reverend, you should be wise.—Shakespeare.

How blest is he who crowns in shades like these, a youth of labor with an age of ease.—Goldsmith.

# THE POCKETBOOK of KNOWLEDGE BY TOPPS



There have been many instances, especially in South Pacific fighting, when aviators have been forced down in lonely, inaccessible spots. Then came the days of horror, not fear, for the aviator has forgotten the meaning of that word. Faced by the threat of starvation, their only hope, a fleeting one, is discovery by a scouting plane. Rescues, however, are always very difficult, because of landing obstacles offered by jungle growths, rocks and other seemingly insurmountable objects. Food for the stranded aviator is of the first importance. This problem has been worked out. A day's emergency rations sufficient for five men is now packed in a box about the size of an unabridged dictionary. This can be dropped without a parachute from the hovering plane. Having provided food and water the relief plane occupants have time to figure out a plan of rescue, and according to newspaper stories they have been very successful in many cases.



Cargo parachutes are now equipped with tail lights such as were formerly used on bicycles. They are valuable in the dusk and dark. They are a sort of an "X" that marks the spot where the parachute lands.

The dog following the man is not prompted by any canine emotion or effort to prove he is man's best friend. The dog is hopeful of getting a bite to eat. Around his neck the man wears a generous strip of greasy bacon which is the link that holds the dog's attention. In the early colonial days a slice of bacon bound around the neck was a sure cure for a sore throat. This was only one of many such beliefs. Another was tying the left foot stocking around the neck when the afflicted person retired for the night. The right foot stocking was possessed of no healing powers. When the stocking was removed the following morning it was supposed to have absorbed the soreness of the throat. Great faith was also placed in a bandage of red flannel soaked with arnica or some other vile smelling concoction. In the early days of the oil well diluted petroleum was used for colds and sore throats as well as other ailments. But why laugh at these old fashioned cures. Be modern and laugh at some of the cures offered daily, nightly and hourly on the radio.



If any one tells you that a lemon is not sour you would at least give him a sour look. It is all in a matter of taste or in facial expression when biting into one. There is more sugar in a lemon than there is in a peach or a piece of watermelon. An analysis shows that the sugar content is as follows: Lemon 9.8 per cent; peach 9.4 per cent; watermelon 9.7 per cent. These figures will not keep you from screwing up your phiz when you bite into a lemon. More likely it will add to your doubt of the correctness of the scientific analysis.



(Continued on Page 32)



## MAN IS HELPLESS

### When He Attempts to Bring On or Prevent Storms

There is a widespread belief that the heavy bombardment in war zones is the cause of frequent heavy rainfalls. This gained many followers during the first World War. Today we find a growing number of adherents, especially in sections where excessive rains have prevailed. Central Illinois is in the wet ranks. It has had a discouraging effect on agriculture. July first showed many fields of corn just showing plants above the ground. In ordinary years it would be waist high at that time. During the planting period it was no unusual sight to see farmers with their tractors in the field until a late hour at night. Just how the crop turns out is still problematical. However, mid-July brought good growing weather and prospects brightened. Corn is a hardy plant, and has great recuperative powers.

This may seem to have no connection with bombardments in foreign lands having anything to do with the heavy rains, but it affords a reason, wrong or right, for brief reference.

#### Wise Men Should Know

If the wise men who edit Encyclopedias know their lessons, artificial production of rainfall is out. They tell the story in a sentence, which is:

"Experiments in the artificial production of rainfall generally by the detonation of explosives at considerable altitude have demonstrated the futility of all such attempts."

It's interesting to know that a similar method has been employed in Europe for directly the opposite purpose, that of preventing hail storms, but its efficiency has not been noteworthy.

#### Natural Phenomena

There are instances of natural phenomena, having a widespread influence over distant parts of the world. Krakalao is a good instance. It is an island in the Sunda Straits, between Java and Sumatra. After two centuries of inactivity this volcano broke loose August 26, 1883. The finest of the ashes were thrown high into the air and the finest of them were carried all over the world.

#### Influenced Sunsets

For months afterward they occasioned brilliant sunset effects in all latitudes. Great sea waves 70 to 100 feet high started from the crater and devastated surrounding coasts, drowning thousands of people. The waves crossed oceans in all directions and their effect was traced even to California and

the Isthmus of Panama. There were similar atmospheric waves which circled around the globe.

Hamlet spoke most wisely to Horatio when he said, "There are more things in heaven and earth, Horatio, than are dreamt of in your philosophy."

■ ■ ■

## THE NEW TAX PLAN

The pay as you go tax plan is now in effect, and is a good illustration of that half slang expression—take it or leave it—except that "leave it" is final—there is nothing else you can do. In general it seems the better way, and the easy way to discharge a necessary obligation. There are twenty-seven million wage earners investing in Government Bonds by pay deductions. This means more than \$420,000,000 a month. Chief Justice Harlan P. Stone in commenting on this in a public statement said:

#### Primary Importance

"This is of primary importance as an aid to winning the war and as a safeguard against inflation. But it is also important that so many of our fellow citizens are reviving the art of saving from earnings. One way of securing freedom from want in the future is by saving something from the plenty of today."

This partial payment plan is one from which there is no escape. Under the quarterly plan, thousands of workers made no preparation to meet the obligation. In many cases it then became a real hardship.

#### An Old Question

The question of saving is as old as the hills. There is no secret about it according to one great philosopher:

"Thrift is care and scruple in the spending of one's means. It is not a virtue, and it requires neither skill nor talent."

It still remains a fact that many smart men have not the sense to save their cents.

■ ■ ■

(Continued from page 23)

takes you out but spends his time staring at women dressed in gay colors.

\* \* \*

"If you are a clinging vine type, he doubts if you have any brains. If you are modern, up-to-date and advanced ideas, he thinks you have no heart. If you are silly he wishes for a bright mate, and if you are intelligent and brilliant he wishes for a play-mate.

\* \* \*

"All in all a man is just a worm in the dust. He wriggles along for a time and finally some chicken grabs him."

(Continued from Page 30)



There is not much new about the stethoscope. The theory is old and the invention of mechanical devices dates back to the early 19th century. The purpose of the stethoscope is to hear rather personal and private grumblings and rumblings on a busy day in your inner cavities. Now an industrialist scientist has invented a new stethoscope which enables the doctor to detect sounds that have heretofore eluded the instrument commonly used.

• • •

### WASHINGTON'S BIG BUILDING

The Pentagon Building in Washington is much in the news. It's a beehive, and there is a lot of buzzing around. It houses 32,000 officers, service men and War Department employees. The army has to look after the task of feeding this great throng, and it is no small undertaking. There are many complications and irritations showing up every day, such as food shortages, delay in deliveries, misunderstood orders, etc. There are ten lunch bars, single service paper cups are used exclusively. There are two reasons for this, and they are sufficient. One is sanitation, and the other is dishwashing. Fifty thousand meals are served daily. This requires 1200 employees. There are three specialists on the Pentagon staff, a veterinary, a sanitary engineer and an army medical examiner. They pass on all food to be assured that it measures up to Army standard requirements. But all of this is only a curtain raiser. More responsibilities and headaches are to come.

There are five square miles of floor space in the Pentagon Building, and when completely filled, it accomodates 40,000 people, and more are filing in for jobs daily.

• • •

Down!

Fullback (looking at seniester grades): "Well, I'm as famous as Washington now."

Halfback: "How do you figure that?"

Fullback: "Well, I went down in history."



# IT'S THE WEDGING MECHANISM!

## AN EXCLUSIVE FEATURE OF MUELLER COLUMBIAN GATE VALVES

Wedging pressure is applied at Four Points around the outer edge of the discs, equalizing distribution of seating pressure, eliminating sprung discs and leakage. Before discs are lifted, they are gently drawn away from the seat by horizontal action, preventing scraping against the seat, assuring long durability and lower maintenance.



Inside Screw



Inside Screw Angle Gate Valves



O. S. & Y.

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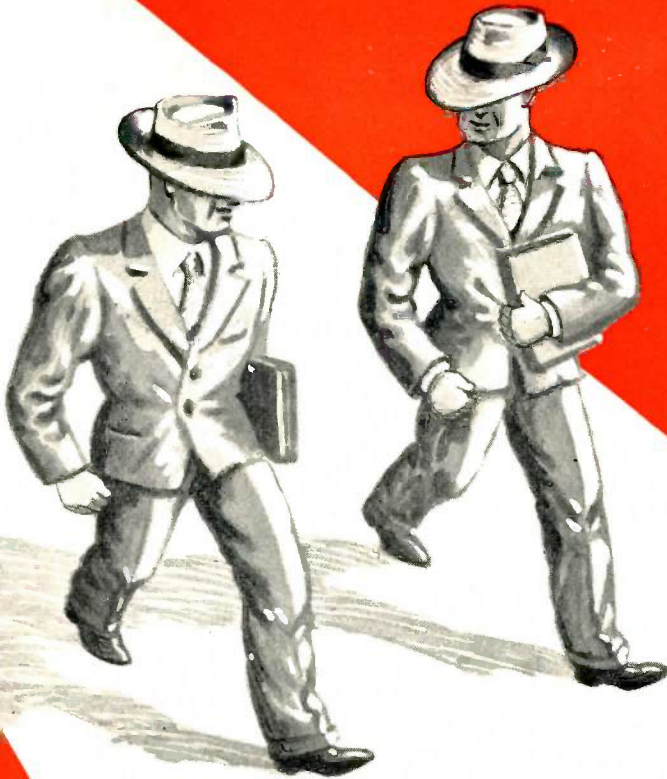
Los Angeles, Calif.  
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Chattanooga, Tenn.  
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# MUELLER COLUMBIAN

CHATTANOOGA, TENNESSEE

**WHO IS  
THIS  
MUELLER  
COMPANY,  
ANYWAY?**

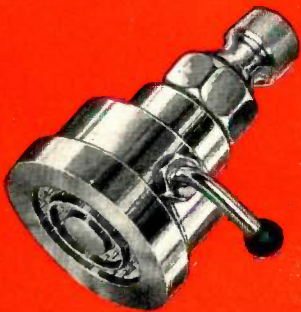


Let us tell you. . . Eighty-six years ago the **MUELLER CO.** was founded by Hieronymus Mueller. His formula for business was simple: only the most skilled men were employed; only the best materials were used; only quality goods were made; every customer got a square deal regardless of the size of his order. Upon such a basis the **MUELLER CO.** grew until by December 1941 it was a leading manufacturer of plumbing goods and had the best line of plumbing brass in America. There may have been cheaper lines than ours, but no better ones. . . Then came Pearl Harbor. You know what happened to the plumbing industry after that. Today you cannot buy **MUELLER** fittings—for **MUELLER** machines are working three shifts producing war materials. But when the war need is over we will go right back to making an improved line of plumbing fittings. . . In the meantime, remember our trade name is "**MUELLER**" for when you can again buy plumbing brass we know you will want only the best—the **MUELLER** line.

Have you bought your share of war bonds this month? Lend your money to your government. You can't lose.

H-5425  
THE WORLD'S  
FINEST  
SELF-CLEANING  
SHOWER HEAD

MADE BY  
MUELLER

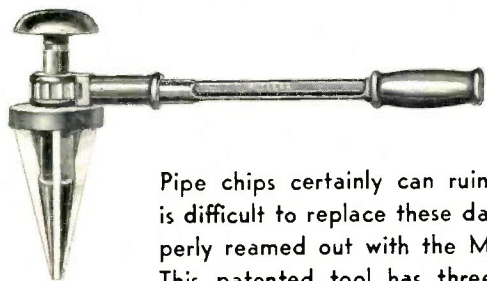


**MUELLER CO. DECATUR, ILL.**  
**FOUNDED 1857**



# Make **PERMANENT** Connections

There is no profit in making inefficient connections that have to be replaced every few years. It is better to do it the more permanent way, using a MUELLER Service Clamp at the main . . . For wrought iron pipe, old pipe weakened by corrosion, or other light pipe not heavy enough to permit tapping and inserting a stop directly into the main, MUELLER Service Clamps offer the ideal solution. Heavily constructed of malleable iron, accurately curved to fit the pipe, and having wide straps, these clamps actually strengthen the main. The body is generously patterned to permit a full depth of thread. The special one-piece lead gasket is designed to hold itself in place during installation. Once a MUELLER Service Clamp is properly installed you can be sure it will form a permanent leak-proof connection that will stand years of use.



H-10675

Pipe chips certainly can ruin expensive equipment that is difficult to replace these days. The answer is pipe properly reamed out with the MUELLER Pipe End Reamer. This patented tool has three precision blades of high grade tool steel. Very sharp and cuts cleanly. Easily re-sharpened. Give one to every crew.

*Protect Those  
Installations*



FOR EXCELLENCE

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**IT TAKES MONEY TO WIN A WAR. SUBSCRIBE TO THE THIRD WAR LOAN.**