

MUELLER RECORD

PUBLISHED AT DECATUR, ILLINOIS



INDUSTRY INVESTS IN BONDS AND STAMPS

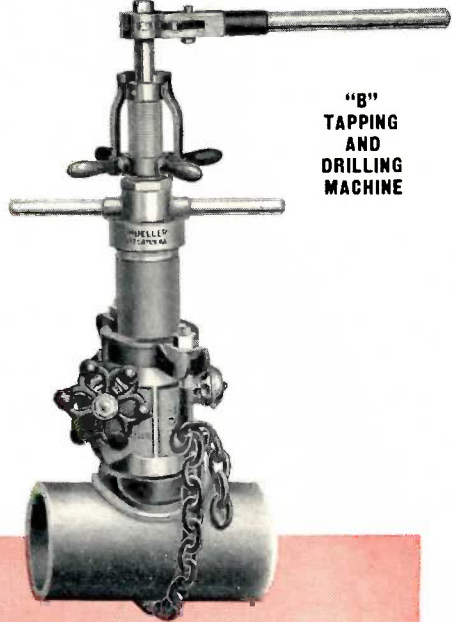
SEPTEMBER, 1942

2.40 Light Cruisers
 2.50 Destroyers including es...
 2.60 Submarines
 2.70 All other types of naval craft
 2.80 Repairs to all naval vessels
 2.90 Ships for Maritime Commission
 CLASS 3.00—VEHICLES—PRODUCTION
 for armament and ar...
 and arr...
 4.10 ...
 4.20 ...-aircraft, Barrage Balloon Equip...
 4.30 Artillery including railway ar...
 4.40 Fire control all...
 4.50 Machine...
 4.60 Naval...
 4.70 Tanks...
 4.90 Weapon... types
 CLASS 5.00—AMMUNITION—PRODUCTION AND
 plete items)
 5.10 Ammunition 20 mm. and ab...
 5.20 Ammunition, small arms below 20 mm.
 5.30 Bombs, depth ch...
 8.90 All other...
 CLASS 9.00—POWER, LIGHT...
 9.10 Electricity
 9.20 Petroleum
 9.30 Coal and Coke
 9.40 Gas
 CLASS 10.00—TRANSPORTATION
 water...
 Air Transportation
 All Other Transportation
 CLASS 11.00—COMMUNICATIONS
 CLASS 12.00—PUBLIC HEALTH AND SAFETY
 12.10 Sanitary & Health Systems & Facilities
 12.20 Health Equipment and Supplies including Persona
 12.30 Public Safety Equipment and Supplies
 CLASS 13.00—AGRICULTURAL EQUIPMENT
 CLASS 14.00—INDUSTRIAL FOOD PROC...
 CLASS 15.00—WEARING APPAREL
 EQUIPMENT AND SUPPLI... AND INFORM...

A-1
D.P. 12.10
A-5
A-2
D.P. 9.40
U.S.A. 7/10

There are no priorities on emergencies!

Trouble has a way of bobbing up in the most unexpected places and at the most inopportune times. When something breaks down or "rush" connections must be made, then there is no time to order a tapping machine if you don't have one.—That is why we say, "Order your MUELLER Tapping Machine—NOW!" We are busy with war work—forging the implements of victory—and so normal production of our regular items is impossible . . . We have a few of these machines, but after these are gone we can not say when we can fill your order . . . Be ready for those emergencies! Order your MUELLER "B" Machine today, or at least have plenty of repair parts on hand. Putting it off a few weeks may be too late. For more facts drop a card to Dept. W-161.



"B"
TAPPING
AND
DRILLING
MACHINE

This machine makes taps and inserts corporation stops in mains under pressure, and will make taps only from 3/8" to 2 1/2" in dry mains. Is normally used on plain cast iron pipe from 4" to 48", but with suitable equipment may be used on other sizes of steel and wrought iron pipe. And with a power clevis the machine may be used on pressures up to 400 lbs. per sq. in. . . Saves its first cost over and over in time and money.

MUELLER CO.
DECATUR, ILLINOIS

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LESSON OF THE DAY

We have wondered since that picnic day, July 15th, at Mueller Heights if every man and woman on the grounds did not get a new and added thrill of patriotic pride, loyalty and confidence in our country, and in the men in uniform who typify all that the flag and the Constitution stand for. We did every time that we looked at that manly military gentleman, Brigadier-General Donald Armstrong, and then to our own Willie Rohman, one of hundreds of thousands of fledglings now in the ranks of war. The general stood a finished product of years of studious application and actual experience, the other an apprentice fresh from his training but ready for whatever dangerous duties he may be called upon to discharge at home or on foreign battlefields.

These, man and boy, ready to battle for our rights, gives an inspiration which we should never surrender so long as this unholy war continues. Let it be to you a constant reminder of this fact. In all our history our generals have never failed us in any crisis, nor have our soldiers, suddenly called from the ranks of peaceful civilian pursuits, neglected the obligation imposed upon them. Brave boys that they are, they face the future with a smile on their lips—typical Americans to the core—even to joking in the face of a future fraught with possibilities of a perilous character.

There is another angle to this war, equally sincere and patriotic, and that is the second front of industry composed of men and women spurred to the utmost of physical strength and faith in their government to produce the implements of war necessary to our victory, at the least sacrifice on the field of battle. It was a proud moment to our fellow-workers and fellow-citizens when Brigadier-General Armstrong in his address said to them:

"We will not win the war on the military front until we complete the victory on the industrial front, and what the Mueller Co.

HOLD UP OUR HEADS

The days are many
And the war days are long,
But when they have passed,
We will sing Victory's song.

If we just rest our case
On the American creed,
We will win that Victory
From those mad hordes of greed.

It is written in history
And in truth and in might,
That God helps those
Who's cause is the right.

So let's hold up our heads
And to God wing a plea,
To be with and uphold us
Defend our loved liberty.

With MacArthur on land—
And brave King on the sea,
We'll still sing our glad anthem—
Home of the brave, land of the free
—C. N. W.

has accomplished is unquestionably outstanding."

The value of the general's freely spoken appreciation is primarily its source—he spoke not only as a citizen, a trained soldier, a leader of soldiers, but as a direct representative of the government.

Back of it all is the lesson we must learn and follow, and that is co-operation, co-ordination and unified action—a trio of mental and physical reactions to which all must respond to win.

Longfellow:—

Oh, fear not in a world like this,
And thou shalt know e'er long—
Know how sublime it is
To suffer and be strong.

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

C. N. WAGENSELLER, Editor

WAR LEADERS YIELD

Sick Child Longing for Father Wins Air Ministry Aid

In the embittered thoughts of destruction of human beings, how beautiful becomes a little act of benevolent pity, kindness and thoughtfulness, as illustrated in the case of little three-year-old Jane Challis, dangerously ill of diphtheria in a London hospital. For 24 hours she had cried and called constantly for her father, Jim Challis, sent overseas to Canada for air-training. The attending physician said if anything could save the child's life, it would be the presence of the father at her bedside. The doctor finally went to the London Air Ministry where all thoughts were centered on the destruction of, and not the saving of life. Then a change came over the hearts steeled in the art of warfare. There was something tugging there that the men of the air ministry could not put behind them.

Send Bomber for Father

Whatever the activating motive, aroused by the doctor's appeal may have been, let it be writ on the pages of the book of gold, the ministry provided a bomber plane and ordered the father home instantly. His appearance in the ward of his sick child was potent medicine beyond the skill and knowledge of the physician. From the moment Challis clasped his baby in his arms, she showed improvement which was sustained by the presence of the father. He was given an extended leave of absence.

Gives Ray of Hope

Sweet and tender little story coming from a welter of savage, bloody slaughter where lives by the thousands are sacrificed every day. There is a ray of hope in it—perhaps a war-mad world will some day awake to the emotion of the London Air Ministry, which brings to mind that biblical passage:

"The wolf also shall dwell with the lamb, and the leopard shall lie down with the kid; and the calf and the young lion and the fatling together; and a little child shall lead them."—Isaiah II, II;7.

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Since flour sacks have gained a place in dress goods, the way to rid them of ink is to boil them in two quarts of soapsuds into which has been mixed a teaspoonful of kerosene.

LAWYER A LOSER

In Dual Role of Defendant and Attorney Proves Old Saying

We've all heard the comparison "smart as a Philadelphia lawyer." Generally, it was accepted at its face value. No one was interested enough to probe the origin of the trite saying until Mencken came along with his new book, which tells us that this was a colonial phrase and meant that a Philadelphia lawyer was smarter than the devil.

Lawyer His Own Lawyer

Even this does not illuminate the text. Up to the present writing no one has really engaged the devil in personal conversation and, therefore, the aphorism is an aphorism only. But there is another saying equally as familiar to lawyers. It is that when a "lawyer tries his own case, he has a fool for a client." This is admitted by lawyers. The latest acknowledgment comes from a Chicago lawyer who served as his own counsel in fighting the divorce case of his wife. In this capacity the lawyer assumed a dual personality.

Judge Takes a Hand

As an attorney examining his wife, the lawyer demanded to know where and how he had kicked her. As her husband he shouted, "Then you are a liar, aren't you?" The court had cautioned the lawyer's methods and warned him several times. Patience exhausted, he soaked the lawyer with a 90-day sentence for contempt. A brother lawyer came to the defense of the victim who apologized with a promise never to appear again as his own lawyer, and the court relented, but did so reluctantly. Then he assessed a \$250.00 lawyer fee for the wife's attorney, giving her all the furniture and enjoining the defendant from molesting the divorced wife.

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WASHINGTON NOTES

During recent weeks ten thousand bicycles were released to war production plants for transportation of employees. The heaviest demand came from California.

Home owners who refinanced mortgages through aid of HOLC are cancelling these debts at the rate of 3,700 per month.

Secretary of the Treasury Morgenthau, Jr., matriculated at Cornell with the intentions of becoming an architect, but switched over to agriculture.



In The Army Now

Foreman—Send in young Clancy. I saw him smoking on a load of powder, a while ago.

Rafferty—Well, sorr, here's part of his hat.

"Who, what and where is Tokyo," thundered the chairman.

"He's the dog-faced boy," replied the trembling inductee. "I saw him in the side show last summer, but I don't know where he is now."

"Nothing doing," said the chairman of the draft board to the draftee who asked for reclassification, having just married a widow with fourteen children. "Any man brave enough to marry like that is the kind of man the Army needs."

United States soldiers are the best fed in the world—that is on native land. Abroad is different as the first troops overseas soon learned. Obliging English cooks tried to keep up with the band wagon, offering these "American concoctions": Cream of peanut butter soup; fried carrots and peanut butter; cream of cucumber soup; hamburgers with dried onion shavings sprinkled over them; canned corn with syrup for dessert. The salads contained everything but the cook's cap.

Robert Fick, Boatswain mate, in a hurry to reach his ship on time shoved a dollar bill to the Chinese laundryman, who promptly shoved it back, saying: "No, take money; smack Japs."

"Don't know where I'm going," writes a private. "They have given me shots for yellow fever and this morning they gave me a fur cap."

Sergeant: "Stand up straight; throw your shoulders back; and button up your coat."

Married Recruit (absent-mindedly): "Yes, certainly, dear, right away."

A Portland, Oregon, woman consented to her husband entering the army, provided "He shall be well fed, be well clothed, not overworked, shall not be issued too much grog, and not permitted to associate with dissolute characters." She forgot to add

"That he should be in bed every night by 7 p.m."

The amazing size of the loaves of bread astonished the baker in the Idaho Army Post. The mystery was solved when a K. P. confessed to dropping 16 yeast cakes in the flour bin.

Officer: "What's your name?"

Draftee: "Quitz Jones, sir."

Officer: "Where'd you get that queer name, son?"

Draftee: "Well, sir, it was this way. When I was born, my Dad came in and took one look at me and said to Mom, "Lucy, let's call it Quitz!"

British Sentry: "Halt—Who goes there?"

Soldiers: "British Soldiers."

British Sentry: "Pass British Soldiers."

British Sentry: "Halt—Who goes there?"

Soldiers: "Free French Soldiers."

British Sentry: "Pass Free French Soldiers."

British Sentry: "Halt—Who goes there?"

Soldiers: "Who 'in hell wants to know?"

British Sentry: "Pass America Soldiers."

DOCTORS NO SPECIAL LEASE

Doctors have no option on life denied the laity. They die just as the ordinary person does. There are many, however, who believe that doctors' lives bear some special charm. The American Medical society reports that 3,500 physicians died in 1941. Among some causes given were: 152 accidents, which included auto collisions, airplane crashes, drownings, poisoning, and so on through the common causes which all face and suffer. Like the rest of mortals, the doctors kill themselves, as shown for 1941 by sixty-seven suicide shootings, using a gun, poison, drugs, motor fumes, noose, knife, illuminating gas, drowning.

The Real Thrill

There's no thrill in easy sailing, when the sky is clear and blue.

There's no joy in merely doing things which anyone can do.

But there is some satisfaction that is mighty sweet to take,

When you reach a destination that you thought you couldn't make.

Jobs have a habit of seeming easier when done now rather than tomorrow.

He that is afraid of leaves must not come in the woods.

Picnic A Day of Real Pleasure

Speaking about picnics, the Mueller organization is always favored with exceptionally fine weather when we take to the woods. We cannot find a pioneer Muellerite who recalls a single picnic in the course of a half century that was completely rained out. On a few occasions it has been necessary to combat brief showers. In a large majority of these outings the weather has been perfect, as it was on Wednesday, July 15th, when the 1942 picnic was held at Mueller Heights.

This event differed in two particulars from those which have preceded it. The first was combining the picnic with the presentation of the Army Award for Meritorious Production. It had been decided to forego the picnic this year but on account of this presentation the plan was changed. The second difference was making it an afternoon gathering instead of an all-day affair. Everything clicked on time, and everyone enjoyed the affair. Goodman's Band, one of the oldest and best in this section of the state, occupied a corner of the stage of the outdoor theater, giving an excellent program of classical, popular and patriotic music.

That part of the program devoted to the Army Award for Meritorious Production opened at 2:30 p.m., with an address by W. E. Mueller, president of the company, and was followed by an address by Adolph Mueller, chairman of the Board.

The "Star-Spangled Banner" by the band, and the ceremony of raising the flag by the Mueller Boy Scout Troop, made a distinct patriotic appeal to all in the amphitheater.

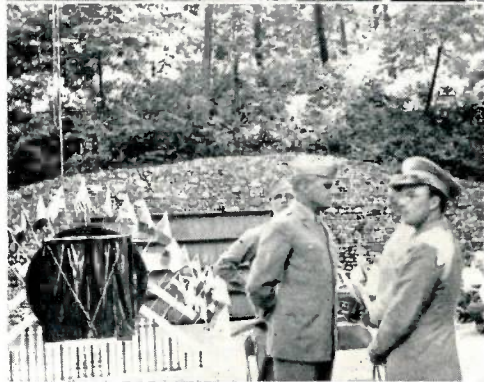
Brigadier-General D. Armstrong, in command of the Chicago Ordnance District, was introduced by L. W. Mueller, Vice President and Works Manager, and spoke at some length. The acceptance of the Army Award for Meritorious Production by a committee composed of three men and three women employees was the closing feature. This was followed by "Star-Spangled Banner" and "God Bless America" by the band, the audience standing uncovered and singing.

The scene and the music were impressively patriotic.

A more detailed account of the above portion of the program will be found on Page 18 and 19.

Babe in Arms Winner

An interesting feature of the picnic was the drawing by children for a prize gift—a toy express wagon for the fortunate boy and a beautiful doll for the girl. It was stipulated that entrants for this contest must be children of employees of the company and not more than 6 years of age. The winner of



Snapshots with Beautiful Backgrounds at Mueller Heights

the wagon was well within these restrictions. His name is Larry Lee Miller, who showed no particular interest in the drawing, which is explained by the fact that he was just 16 days old. Mrs. Miller, holding the baby, quickly realized the temporary advantages of a moveable crib for her new son. The little girl, Mary Rose Bray, winner of the doll was delighted, but judged by the spectators, was as much interested in the real baby.

Picnic Features

Then followed an hour of games and contests for boys and girls and men and women. These were distinctly picnic in character, but all clean-cut. There was a noticeable absence in the pie or melon eating class of contests, which made the program all the more enjoyable.

The baby show was held in the Athletic Club House. It was, of course, of great interest to mothers. For illustrations and stories of this particular feature, see pages 14 and 15.

The open air attractions provided a varied appeal to young and old alike, not entirely dependent upon the natural beauty of the grounds. The Athletic Club House, a two-story building, is headquarters and convenient to the crowd for rest and comfort. Across the private lake, but near by, is the



Representatives of Education, Industry, Law and Politics meet at our annual picnic. Left to right: Dr. John C. Hessler, president of The James Millikin University; W. E. Mueller, president of Mueller Co.; and Charles E. Lee, Mayor of Decatur and former state senator.

roomy lodge building, surrounded by its "tailored" lawn and ornamented with natural trees, hedge rows, and flowers. Close by is the children's playground with all sorts of mechanical apparatus to provide childish thrills. In addition to this, a large tent on the grounds provides convenient shelter and shade.

Always Popular

The Merry-Go-Round with its gilded and grotesque horses and other animals was not restricted to the little folks. The "grown-up" kids had their share of the fun, during the afternoon and evening. If you want to be a child again, you should attend a Mueller picnic.

This year the ponies, some fifteen to twenty, were back again, and they earned their oats. The little folks divided their time and tickets between the ponies and the Merry-Go-Round.

It Was All Free

The refreshment stand was under "offensive raids" through the afternoon and evening.

Everything was free, including bus rides to and from the grounds.

During the afternoon and evening the big shelter tent was filled with a visiting, happy crowd, and during certain hours they enjoyed Beano, winning useful prizes such as canned vegetables and fruit.

The evening amusements opened with a stage show with talent from WGN. The program included:

Bill Talent, Master of Ceremonies and Juggler, Malone Sisters, Harmony and Instrumental Music, as you like it, and comedy acrobats.

This was followed by dancing on the stage to the music of Homebrook's Orchestra, until 11 o'clock, when "taps" sounded on the 1942 picnic.

During the stage attractions a big crowd of rooters surrounded the electric lighted Athletic field to watch the Tenney-Pontiac vs. Mueller game.

In keeping with the vacation post cards which you receive from touring friends, we "Wish You'd Been Here."

A Few Notes

George Parker, general manager of the Sarnia plant, and Paul Jacka, general manager of the Chattanooga plant, were in attendance at the picnic. Among other civilian guests were Dr. J. C. Hessler, president of the James Millikin University, and Mayor Lee of Decatur.

Mabel Gates and her parents, Mr. and Mrs. Hugh Gates, were on the grounds during the afternoon. All are mutes. Mabel has been a member of our force for some years past, Mr. Gates is a printer on the Herald-Review. For quite a few years he was a member of the Daily Herald force when we filled an editorial position on that paper.

There was quite a reunion when we met, sincere but silent. Not so satisfactory as in the printing days. Then we would step to a type case and, pointing to the boxes con-

(Continued on page 8)

I'M TELLIN' YOU

©A.C.S.



- "Ten thousand tons of paper will be needed this year for ammunition containers alone," says a news item. What interests us is how many tons of Nazis and Jap containers will be necessary to carry the ammunition.
- Thirty thousand pounds of rag content bond are required to make enough blueprint paper for one battleship. And only one torpedo needed to sink it!
- Girls who look sideways are generally forward.
- Bully news for President Roosevelt. A short horn bull slaughtered in a Chicago packing plant weighed 2900 pounds and turned into 20,000 hot dogs.
- Recent Slogan: "An egg a day will keep a Nazi away." If you have been intimate with an elderly egg, you'll agree.
- To test keenness of observation, four reporters returning from a presidential conference, made four different guesses on the color of the tie F. D. R. was wearing. If their hearing is on a level with their powers of observation we cease to wonder at reports in newspapers.
- Ethel Carmel, New York model for hosiery, complains that she sees her legs in every paper, but never her face. Well, Ethel, did you ever hear that old saying, "Leave well enough alone?"
- The price of the expensive, strapless evening dresses does not worry the wearer. It's that same old pest—the upkeep.
- Don't make the same mistake again and again. Be original—make a new and different one.
- The little things count. The bullet from a revolver hitting the right spot is better than a big shell that misses the target.
- "Those who have hobbies never go crazy," says a psychologist. We won't argue, but ask the prof. why he didn't finish. Those who have to listen to a hobbyist are the ones who go crazy.
- Motto for Correct Auto Driving. Keep thinking a cop is watching.
- War News from Egypt indicates that some of the mummies in Egypt are very much alive.
- A Yank in Australia vows he saw a kangaroo with a bottle of Irish whiskey in its pouch. Does that mean that the "she-kang" had stepped out with an Irish soldier?
- Things happen so fast that a man taking a two weeks' vacation returns to work as the office-boy and begins learning the business all over again.
- The man who never came back had written the following vacation card to his wife:—"having a wonderful time. Wish you were her."
- Mr. Dumb Belldriver said: "I think I have a flat tire and the sweet young thing answered "I KNOW I have."
- A sense of humor is a gift from the Gods, but a perverted sense of humor is a stone thrown by the Devil, as an employee of Toledo's Webster School found to his sorrow. Passing a woman in the corridor he heard complaint of the cold. "I'll warm you up" said the engineer custodian, which he did by placing her on a hot radiator. The woman suffered burns and the man suffered the loss of his job.
- When a Philadelphia cigar store owner was ordered to pass out the money from the cash register, he gave the holdup man a broad handed slap in the jaw and blew smoke in his eyes. The holdup man said as he fled: "Quit blowing that 'two fer' smoke in my face."
- Among books donated for the boys in camp was a volume entitled "How to Grow Vegetables during Your Leisure Hours." A book on the "Psychological Moment for Opening a Jack Pot" would likely be perused avidly, but on growing vegetables—nuthin' growin'.



**Always
Something
New**

(From Nation's Business)

Portable searchlight unit made as a 24-inch searchlight with 3½ million candle power that throws an effective beam for one mile. It has a self-contained power source and two smaller flood lights for auxiliary or general lighting.

A new translucent coating for window glass (or other reflecting surfaces) prevents reflections by day or night. Applied to a sunny window, it cuts down the glare inside. Made in clear white and tints.

Cellulose plastic tubing is now made in seamless extruded continuous lengths from 3/16 to 3/4 inch in diameter. The tubing may be bent, formed or curved to fit almost any condition. The ends are easily adapted to standard flared fittings with the same tools used for copper tubing.

A new safety razor has spring-driven power to make the blade move in short, gentle side strokes. The mechanism is sealed in oil, said to give a smooth shave quicker.

A paper baler for home use made of wood, provides binding with a cord. It is easily operated, makes a compact, easily handled bundle.

A machine for typing on charts and drawings in sizes up to 8 by 20 feet. Changeable type fonts permit use of a variety of sizes and styles of alphabets. It has an open end type of carriage to take oversized sheets. Saves most hand-lettering.

For business or personal cards there is a small plastic cardcase, which, with a tiny roller, serves one card at a time, clean and without frayed edges.

Fountain pen inks are now made in distinctive colors, four shades of green, blue, brown and purple.

A transparent finish for polished metal is a substitute for electroplating and bronze powder finishes affected by wartime restrictions. The finish consists of a concentrated enamel of the desired color added to a clear lacquer, and resembles copper, brass, bronze,

color-treated aluminum or steel. It can be sprayed or rolled on for either air drying or baking.

A new material for wall construction has a weather-sealed mineral granule surface on a cane fibre insulating board core. The core is treated for protection against termites and dry rot and coated on all sides with an asphalt compound. It has high insulating value and allows quick, easy installation.

A hand-truck for handling long strips of metal. Has a hydraulic lift to keep sheets at convenient height while operator feeds them to a press. It can be arranged for a towing hitch.

A new coin bank handy for those saving coins to buy bonds. It is transparent with separate compartments for dimes and quarters. Shows the amount saved and when filled, the contents exchange exactly for a bond.

A new mechanical pencil has a perpetual calendar at the upper end. Said to be easily reset from month to month but will not accidentally change adjustment to the wrong month.



SAME OLD SOAP

Danger lurks in the home. It threatens from the gas stove or range in the kitchen, in rugs placed in living rooms and bedrooms. These are only a few of the hazards. There are dozens of others. In spite of the fact of recognized and known hazards, they still claim their daily toll. In themselves the bath tub, the gas stove and the rugs are useful and ornamental and also harmless. The trouble is not with them but with those who use them carelessly and thoughtlessly. In the end, the victim is to blame.

Here is an unusual case. Preston Grover, an Associated Press reporter, was for two years exposed to death at any instant. He was under bombing by British, Germans and Italians a hundred times, repeatedly under machine gun fire, flew in a bomber raiding enemy territory and twice dumped in the Mediterranean from attacked ships. In all this experience, he was never scratched. When he took his first bath at home, he finished with two broken ribs.

It was the same old cake of soap in the bottom of the tub. Grover stepped on it.



Customer: "It's tough to pay fifty cents a pound for meat."

Butcher: "Yes, but it's tougher when you pay twenty-five."

NEW RESPONSIBILITY

Armies Call for Scientific Treatment of Water Supplies

An added responsibility falls on the shoulders of water works, sanitary and military engineers during the war. They stand a bulwark of safety between polluted water, the public and the soldiers. The danger of water-borne diseases is so well and so generally known as to make needless any emphasis on that point. Added to this danger, however, is the carelessness of those who use the water for cooking and drinking purposes. Thousands of persons, even in times of peace, give no thought to the fitness of water for drinking.

Not Evidence of Purity

If it is clear and sparkling it is accepted as evidence of purity, but this is all too frequently false evidence. The fitness of water requires more than usual proof or even taste. It requires tests, analysis, and treatment. Engineers in the field with troops have hard and exacting duties. They are limited to a certain degree because of having to carry their equipment, which, of course, is quite different from stationary equipment in a laboratory.

Guard Against Disease

The field engineers with the troops are there to protect them from the possible devastating effects of disease as a sequence of impure water. They are composed of a fine body of men, equal to any emergencies calling for quick and effective remedial action.

All phases of water supply related to civilian and military needs are treated in an exhaustive study by the research division of the Engineering News Record, a publication of high standing in the water works industry. It required months to assemble the facts and make the report, which includes 32 pages of solid typewritten matter.

A few thoughts on the military phases are interesting. All readers are more or less familiar with the domestic supply, and the manner in which it is handled.

The responsibility for safe drinking water for troops in a theater of operations rests on the Corps of Engineers.

Division of Duties

Divisional Engineers are responsible for a supply within the division, Corps Engineers with the corps, and water supply battalions within the Army and G. H. Q. In addition to equipment carried by water supply battalions, there is water supply equipment carried by all combat engineers and certain special engineer units. This consists of a potable water purification unit, two 3,000 gallon canvas storage tanks, pumps,

hose, etc. Both the mobile unit and the portable unit were developed by The Engineering Board at Fort Belvoir, Va.

Sewage Disposal

In addition to water supply the Sanitary Engineers of the army are responsible for sewage disposal, mosquito control, refuse disposal, general insect control and supervision of operation and maintenance of swimming pools. Sanitary Corps officials serve as engineer advisers to the camp surgeon.

Cities on the Alert

The part of water works in all defense activities is recognized by those associated with the industry if not by the public. Some of the larger cities are making a careful check. It's an enormous undertaking. In the Borough of Queens, New York City, nearly 28,000 valves controlling the flow of 95,000,000 gallons of water daily to 1,300,000 are being overhauled. In some cases valve boxes have been completely covered through the years from washing down of mud and from other causes.

Leaks in Philadelphia

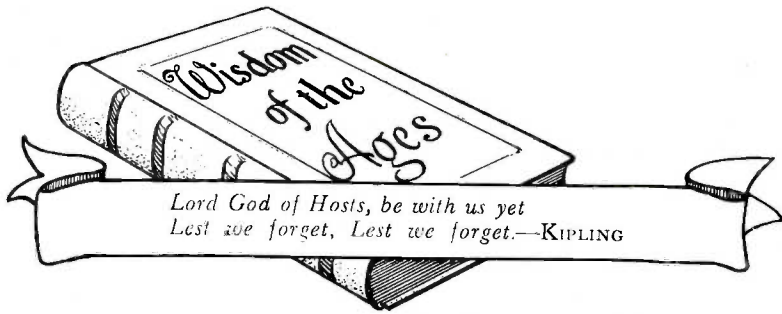
Philadelphia suffers a heavy leakage in the distribution system. As far back as from 1926 to 1931 a survey showed there was an estimated leakage of 34,000,068 gallons per day. Another survey is now under way to locate and stop all leaks that have developed. In West Philadelphia a part of this last survey just completed showed a loss of 2,908,000 gallons of water per day from 154 service pipes in use, two abandoned services, 11 broken mains, 6 joints in mains and 6 miscellaneous openings.

Storing for Emergency

Dr. George Baehr, Chief Medical Officer of Civilian Defense, cautions against delay until air raid warnings are sounded before providing water for emergency needs. The fact is pointed out that in an emergency if there is a general move to suddenly fill bath tubs, sinks, lavatories and other receptacles, the pressure will be greatly reduced, which might prove disastrous in case of fire. Dr. Baehr urges that all water users keep a reasonable supply of water on hand to meet any sudden emergency. Water stored for drinking and household reserves should be kept in covered receptacles to prevent contamination.

■ ■ ■

(Continued from page 5)
taining different letters we could communicate in fast and furious "conversation", and without mispronouncing a single word! In his younger days Hugh Gates was known as a good amateur ball player in the outfield. When he got his paws on the ball, no matter how fast or intricate the play, he knew what to do with the ball, without coaching.



Colton:—

We ask for advice, but we mean appro-
bation.

Taste for Taffy

LaRochefoucauld:—

We give advice, but we cannot give the
wisdom to profit by it.

Wouldn't Do Any Good.

Swift:—

When men grow virtuous in their old
age, they are merely making a sacrifice
to God of the Devil's leavings.

Cleaning House

Fletcher:—

I know a very wise man that believed
that if a man were permitted to make
all the ballads, he need not care who
should make all the laws of the nation.

Music, Sweet Music

Anon:—

His blunders never annoyed him, and
he was cheerful and chirrupy under a
mountain of mistakes.

Like Water From a Duck's Back

Anon:—

The four boxes that rule the world—
Cartridge box, Ballot-box, Jury-box and
Band-box.

How About Boxer Joe Louis

Dickens:—

Nature often enshrines gallant and noble
hearts in weak bosoms—oftenest, God
bless her! in female breasts.

Byron:—

All's to be feared, where all is to be
lost.

A World's War, For Instance

Otway:—

You talk to me in parables.

You may have known that I'm no wordy
man.

Fine speeches are the instruments of
knaves

Or fools that use them, when they want
good sense;

But honesty

Needs no disguise nor ornament; be
plain.

It's the Best Policy

Modern Child:—

Five-Year-Old Daughter to Mother Go-
ing Out to a Party: "Now be nice,
Mama."

Out of the Mouths of Babes

Franklin:—

Think twice before you speak or act
once and you will speak or act the more
wisely for it.

Get Wise to Yourself

Anonymous:—

The man who wins may have been
counted out several times, but he didn't
hear the referee.

Be Deaf to Defeat

Dr. Johnson:—

Nothing will ever be attempted if all
possible objections must be first over-
come.

Solve the Last First

Lincoln:—

Success does not depend so much upon
external help, as on self-reliance.

Depend on Yourself

Brownell:—

Whatever happens don't lose your hold
on the two main ropes of life—Hope and
Faith. If you do, God pity you because
then you are adrift without sail or an-
chor.

Hold Fast to High Principles

■ ■ ■

WHITTLING JOE

*Here's a fellow you'd like to know,
A citizen named Whittling Joe.
Joe is whittling in a plant,
Whittling things the Axis can't,
Whittling with his sharp machines
Cargo ships and submarines,
Whittling bombers, whittling tanks,
Whittling shells in shiny ranks—
Shave a sliver off Benito,
Slice a slab off Hirohito,
And Joseph really whets his whittler
Whistling as he whittles Hitler.
That's a job that Joe enjoys,
Whittling down the Axis boys.
Whittling Joe is never through;
He likes to whittle with dollars, too,
So every payday Joe is fond
Of whittling Hitler with a bond.
Multiplied by fifty million,
Whittling Joe is some civilian!*

—Ogden Nash

THINGS HE NEVER HAD

Washington Missed Many Conveniences We Now Consider Necessary

George Washington was a great general, a great president, an aristocrat with plenty of money to satisfy any whim, but he never had . . .

a fountain pen,
an electric light,
a sewing machine,
a flashlight,
a washing machine,
a telephone,
a radio,
an ice cream cone,
a two-cent stamp,
gas heat,
rubbers,
a stoker,
drinking fountain,
concrete walks,
safety matches,
a bicycle,
a typewriter,
and he never rode . . .
an elevator,
a street car,
an airplane,
an automobile,
a steam car.

But he was a better man than you are, Gunga Din. What's more, his name and fame will be floating down the centuries, when millions who have had, seen and enjoyed all the things listed above are forgotten. Which seems to prove that it is not what you have had but what you were in life that makes people remember and revere you.

BEWARE OF BLACKOUTS

A black-out, like a bomb, is likely to drop on you any time at any place. If it happens to be a bomb, you'll have to dodge or take it, but with a black-out, it is different. You get a warning. Black-outs have been tried out in several large cities, and the results have been tabulated. Therefore, we have something tangible to guide us, and time to prepare for other possibilities. The following are some of the results of a black-out in a large Eastern city:

1. Nineteen sailors had their faces slapped.
2. Six pockets were picked.
3. Twelve hand bags were taken.
4. Two pairs of false teeth clattered out of two mouths.
5. Nine girls found themselves in company of strange men and their escorts missing.
6. Fifteen rounders sat tight in a tavern until day light. Even then they could not see to get home.

KEEP ON WALKING

Walking is acknowledged the best of exercises, but don't do it half-prepared. Walking shoes that fit are the first requisite. Socks should be of light wool, and care should be taken to have them fit. An ill-fitting sock can be almost as uncomfortable and painful as an ill-fitting shoe. Women who attempt hikes in high heeled shoes are inflicting unnecessary torture. Shoes should have broad flat heels and reasonably heavy soles. Don't start with new equipment. Break it in first to save trouble and walk more than usual prior to the trip.

Don't try to walk too far. An army on foot covers only 10 to 15 miles a day. Why try to beat that record in a few hours? When your walk is over, wash the feet and dry thoroughly, and put on clean stockings. Massaging feet and lower limbs will help stave off stiffness the following day.

And don't quit on one trip—keep on walking.

INTERNING CARS

The possibility of motorists having to intern cars is being discussed. Should this be done some curious effects are likely to follow. One will be a scramble by some states to find something else to tax. A heavy shrinkage in auto licenses and gasoline taxes would put a kink in a good many state budgets. In New York the take from this source is more than \$100,000,000 a year, quite a sizeable chunk to do without. Governor Lehman predicts a tremendous drop in revenue which may doom the Empire State surplus. "Hardest hit," says The Nation's Business, "will be some of the southern states with gasoline taxes up to eight or nine cents a gallon."

FINALLY COUNTERED

Waved over to the curb by a St. Louis traffic cop, one of the three lady occupants said, "I stopped for that signal, officer." The cop opened his mouth to speak when another occupant of the car broke in with, "that's right, officer, she stopped for that sign." The cop opened his mouth again, and the driver said, "you must be blind, I made a complete stop for that sign." This time the cop got in with a quick one to "the jaw." "Just a minute. I know you stopped for the sign, but I stopped you just to say you've only got one head light burning."

Satan (to new arrival): "You act as though you owned this place."

New arrival: "Why shouldn't I? My wife spent five years giving it to me."

"Ads," Signs, Names

"This truck stops for all railroad crossings, brunettes and redheads. Will back up one-half mile for a blonde."

At one of the army camps there is a major named Sargeant and a sergeant named Major. Just to complicate matters we might add that Sargeant remains a major and the sergeant remains a sergeant.

William Watters is Fire Chief at Oak Park. Very suitable name.

Adeline Lamps is an employe of the light company at Mendota, Illinois. Wonder if she goes out at night.

Paul Revere, lineal descendant of the Revolutionary hero, has joined the colors at Boston.

An English paper published this advertisement:

"For sale: Baker's business; good trade; large oven; present owner been in it for seven years; good reasons for leaving."

Hopeful—What do you have in the shape of automobile tires?

Clerk—Funeral wreaths, life preservers and doughnuts.

We are convinced that people do not believe in signs. Millions of drivers of automobiles prove this. The original proof was the "wet paint sign." It required a strong-minded person to accept the obvious truth of those three words. They seemed to call for a "personal touch" to satisfy the inquisitive. Recently we had a fine illustration of the disbelief and disregard of signs. Decatur park commissioners shut off entrances to park drives to make road repairs. On one street a sign 12 or more feet wide was placed across the street 600 feet from the park entrance. In bold black letters it read "Road Closed." Then a rope was stretched across the entrance to the park and a blazing flare on the ground added to precautions. To pass the first sign meant quite a bit of skillful handling of an auto, but in 20 minutes fifteen drivers accomplished it and drove clear to the park to convince themselves that the first sign "Road Closed" was a "typographical error."

And we lolled in our chair on our porch and "laffed and laffed" at the poor deluded

nuts, struggling in a humid temperature of 90 degrees to turn around in a narrow street, because they did not believe in signs. And once more we gloated in recalling what Shakespeare discovered some 350 years ago: "What fools these mortals be."

HE IS A CAPTAIN NOW



Among the military contingent at the picnic was Captain Benjamin Seal, who is at present assigned to the duty of Assistant Area Engineer, Victory Ordnance Plant, northeast of the city. In conversation with Captain Seal we learned that he was at one time a member of this organization, and he seemed to be proud of the fact. He worked here in 1928 in the Experimental Department, under Emmett Reedy, now superintendent of the Los Angeles plant.

He met Adolph and other old acquaintances and friends and was on the stage during the exercises.

REQUIRES MANLY SPIRIT

Gentleness, which belongs to virtue, is to be carefully distinguished from the mean spirit of cowards, and the fawning assent of sycophants. It removes no just right from fear; it gives no important truth to flattery; it is indeed, not only consistent with a firm mind, but it necessarily requires a manly spirit and a fixed principle, in order to give it any real value.—Blair.

We are sinning when we think we are.

Truth, like roses, often blossoms upon a thorny stem.

Here Are Four of a Kind . .



They are among the key men in Mueller Co. manufacturing division and were in evidence on the day of our combined picnic and exercises attending the Army Award for Meritorious production.

On the left is George W. Parker, vice-president and assistant general manager and treasurer of Mueller, Ltd., Sarnia, Ontario. That of itself indicates that George is a graduate in production of war material. He is a member of the Home Guards and recently had to leave his urgent duties for two weeks intensive training.

Next to him is Clarence Roarick, assistant to Robert H. Mueller, chief engineer, and who is in charge of tool designing in the Decatur plant. Frank H. Mueller is next. Upon him rests the responsible duties of Director of Research and Development. His genius for designing was amply tested upon our entrance into production of war material.

At the extreme right is Paul Jacka of our Chattanooga plant. Most of his active engineering life has been with Mueller Co. He is secretary of the Columbian Iron Works and assistant general manager of Mueller plants there.

■ ■ ■

SOUNDS PRACTICAL

"What are you reading?"
 "A tale of buried treasure."
 "Wasting your time on fiction?"
 "No. This is expert advice on how to plant potatoes."

FUN IN FIGURES

There is fun in figures except when they represent your overdraft at the bank or an invoice from an urgent creditor. Multiplication seems particularly susceptible to queer tricks. Look below if you would be convinced.

12345679	12345679	12345679
9	18	27
111111111	222222222	333333333
12345679	12345679	12345679
36	45	54
444444444	555555555	666666666
12345679	12345679	12345679
63	72	81
777777777	888888888	999999999
12345679	12345679	12345679
90	99	108
1111111110	1222222221	1333333332

■ ■ ■

GOODBYE MAH LOVER

Ida: "I hear you married dat slick yaller barber las' week, Mamie."

Mamie: "Dat I did, Ida. Mo' dan dat. I give him all my money—two hundred and eighty dollars—to start a barber shop wid."

Ida: "Where is he now?"

Mamie: "I dunno; I'm just waiting for him to come back from his honey-moon."

NOT SO PRECIOUS NOW

Suggest That It Might Be Returned To Uses in Producing War Goods

Silver has always been a pain in the neck to some one. A handful of it in your trousers pocket never causes any serious pain to the owner. In fact, it gives one a pleasant, satisfied, and contented feeling. Now it is finding many new uses aside from coins. It is still looked upon as a precious metal, but today's facts do not bear out the claim. It is held by some as less precious than several of the common metals, and according to a special article in the Christian Science Monitor, it is now in demand for use in ships, airplanes, trucks, guns, shells, bombs, torpedoes, airplane bearings, and surgical materials. As a precious metal it is now classed with some so-called "common metals," like tin, manganese, antimony and copper. This perhaps would vary in actual monetary value, but is more nearly on an equality in usefulness and necessity because of war emergency.

Saved Chromium By Using Silver

It was recently announced by the war department that many pounds of chromium were being saved by ordering 4,000,000 knives, forks and spoons with silver finish instead of chromium. Secretary Morgenthau is on a drive to wipe out the twenty year silver subsidy. There are some million ounces of treasury silver which it is proposed to use as a war substitute for copper in electrical conductors, and other places where it will serve the purpose. Mr. Morgenthau would go still farther. He is quoted as saying it is a good time to get rid of the silver subsidy entirely.

Since the above was written the industrial use of silver has been agreed to by the senate special silver committee. A large amount will be turned over for the duration of the war. The committee was told that much of the supply of "free silver" (silver which is not collateral for paper money), has already been loaned to the Defense Plants Corporation. Mr. Morgenthau said this will do nothing to change the silver picture. At the conference which decided this "new silver problem" a number of interesting facts were brought out.

The silver loaned will be used in coils necessary to synthetic rubber production and in electrical production, and will be redeemed after the war.

A copper deficit is feared by the United States because we are furnishing copper to the United Nations as well as supplying our own needs.

It is not known that any other nation is using silver as a copper substitute. England is asking the United States to sell them or lease-lend silver for industrial purposes. That country even faces a shortage for coins.

According to Secretary Morgenthau, the United States has mopped up all the saleable silver in the world.

Mr. Nelson says the adaptability of silver for electrical connections has already been proved. As a matter of fact it needed no proving. Copper has been accepted as possessing the highest conductivity of any known substance, except silver alone. It is for economical reasons, therefore, that copper is used almost exclusively in underground cables.

Dependable metallurgists say: "Silver exceeds all other metals as a conductor of heat and electricity." Heretofore the high cost compared to copper put it out of consideration for industrial use.

■ ■ ■
The arms are fair, when the intent of bearing them is just.—Shakespeare.



JUST "COKED UP"

■ ■ ■
The R. H. (Bobbie) Muellers have just left the refreshment stand feeling very much better. There were no eavesdroppers near and the illustration is the only clue to a good natured kidding match.

Boarder. "It's disgraceful, Mrs. Skinner! I'm sure two rats were fighting in my bedroom last night."

Mrs. Skinner. "So! What do you want for \$3 a week? Mexican bull fights?"



Front row, left to right: Janet Ellen, daughter of Joseph Fyke; Barbara Elaine, daughter of Stanley Shannon; Pamela Kay, daughter of Leon Ursery; Ronald A., son of Albert Griffith; Virgil, son of Forest Jones; Janet Eleanor, daughter of Louis Earl Ross; Harold David, son of Ernest Hetzler; Sharon Lee, daughter of Richard Barnett; Jane, daughter of W. E. Mueller.

Back row: Robert Paul, son of Paul Barnes; John Errol, son of Eric Blankenburg; James Godfrey, son of Karl Blankenburg; David Allen, son of Dean Butler; Ronald Albert, son of Lester Gordy; Judith Ann, daughter of Frank Ridgeway; Eleanor Ruth, daughter of Fred Monska.

The annual baby show has for 21 years been a feature of the Employees' Annual Picnic. There were 63 babies eligible, but only 29 were in the show. See illustrations on this and next page.

At the original show in 1922 three bachelor members of the organization acted as judges.

They deftly side-stepped the responsibility of picking a winner by announcing that "every Mueller employee's baby is a first prize winner," thereby establishing a precedent that is still followed.

A Few Simple Rules

The rules are simple. Each baby is presented a bankbook with a dollar credit entered therein. For every two dollars added each year by the parents for the period of ten years, the company adds another dollar.

Many parents followed this rule so that at eleven years of age the baby had a savings account of approximately \$30.00. The great value of this was the lesson in saving.

We reproduce herewith from the Mueller Record of August 19th, 1922 the first account of the baby show. It should be of interest to our older readers who knew Fred B. Mueller, George F. Sullivan and W. B. Ford.

(From August 1922 Record)

A new feature of the picnic this year was a Baby Show. All youngsters born to our employees since June 1, 1921 were eligible, if the father had been working here at the time of the baby's birth and since. Thirty-eight youngsters qualified, but not all of them were present at the show.

At 2:30 the mothers and babies began to assemble on the grand stand in the pavilion. Fred Mueller, Geo. F. Sullivan and W. B. Ford, three confirmed bachelors, were the official judges. They viewed their

task apprehensively, for it was clearly evident that each mother was confident that her baby was a prize winner. The judges proceeded up and down the line of squirming, cooing youngsters, and their perplexity increased.

Their deliberations were interrupted by the sudden arrival of a new entry. Several strangers masked, and clad in long white robes marked "K.K.K." appeared wheeling a giant youngster in a baby carriage. He was shaking a prodigious rattle and crying lustily. With some difficulty they got him up on the platform and then seized Mr. Sullivan and charged him with being the child's father. The bewildered and embarrassed bachelor vigorously denied this, whereupon the "K.K.K." began beating him over the head with clubs which they carried under their robes. Mr. Adolph came to his rescue and offered to vouch for the good character of Mr. Sullivan, and he was also beset by the ruffians. The other judges came to his rescue, and the intruders were ejected from the platform and chased out of the pavilion. (This interlude was part of the initiation of L. A. Montgomery into the 49 Club.)

When Mr. Adolph had restored order he announced that the judges had never seen such a fine group of babies and that it was their decision that each baby should receive a first prize. The President agreed with them in this ruling and proceeded to distribute prizes. Each baby received a Pass Book showing a credit of one dollar in a Savings Bank.

Since 1922, first baby show, 831 babies have been presented with \$1 by the company. The record by years follows:

BABY SHOW STATISTICS

1922.....	38	1933.....	28
1923.....	37	1934..(1 set twins)...	30
1924.....	36	1935.....	25
1925.....	40	1936.....	20
1926.....	51	1937.....	33
1927..(1 set twins)...	66	1938.....	38
1928.....	50	1939.....	27
1929.....	72	1940.....	36
1930.....	31	1941.....	32
1931.....	43	1942.....	63
1932.....	35		
TOTAL			831
Average			39 plus



Front row, left to right: Leon Eugene, son of Cecil McCammack; Michael Charles, son of Dale Bolen; David Dwyne, son of Robert Oberline; Betty Lou, daughter of Jack Krohn; Arthur Edward, son of Carl Austin; Larry Lew, son of Lew A. Miller; Betty Ruth, daughter of Roy Wall.
 Back row: Larry Robert, son of Robert Lebo; James David, son of Glen Gideon; David Earl, son of Harold Moats; Monkato, son of Monkato Karnes; Helen Opal and Betty Frances, twin daughters of Geo. Sulwer.

CITY OF CLEVELAND

Furnishes Striking Illustration of Development and Change

The great city of Cleveland was originally known as "Cleaveland," presumably in honor of Moses Cleaveland's surveying party which laid out the city for the Connecticut Land Company. Prior to this, the first cabin was built in 1786 by fur traders. This name continued until the city was incorporated, when it was changed to Cleveland.

Its strategic advantages in commercial, as well as military standpoints, had much to do with its quick development. Ohio, Indiana, and Illinois were still in their frontier pantaloons. There was nothing especially different from any western pioneer town, but Cleveland gives a good cross section of the lives of the earlier settlers and residents.

An Early Newspaper

As early as 1828 there was a newspaper there, and as now, it was the medium of communication and for advertising, as the following illustrates: "The Cleaveland Book Store has a supply of thermometers which will be sold cheap. Also, a few dozen of Andrew's Cough Drops, and another supply of Mathers Printing Ink." Then the footnote that, "butter and cheese taken in payment for any of the articles mentioned."

A Pioneer Seer

The little town had a booster, just as we have them today. He was likewise a "Vox Pop", advising that "Cleaveland must some day surely become a great manufacturing place." With nothing on which to base his

judgment but Indians and a few white settlers, and uncultivated acres upon which to base his prophesy, time has proved the wisdom of his farsightedness.

In this rapidly developing town there were, as there are today, men without vision opposing progressive action at each opportunity. The purchase of Cleveland's first fire engine illustrates the point. The trustees voted to buy the engine at a cost of \$285. This was deemed "betrayal of public trust," and the trustees who voted to purchase the engine were not only defeated for re-election, but had to pay for the engine.

Days of Slow Mail

Another instance emphasizes the marvelous changes that have taken place. In 1827 it took mail from New York five days to reach Cleveland, a distance of some five hundred miles, while from Chicago to Los Angeles, nearly two thousand miles, it is now done within twenty-four hours.

Killed Deer By Hundreds

Today all wild game is jealously protected by vigorous game laws, but a history of Cleveland's growth tells us that as late as the 1830's, "a deer drive in one day resulted in killing five hundred deer."

Today men travel more than five hundred miles to the deer grounds and are fortunate if they get one deer in one week, and lucky if they don't shoot some fellow hunter instead of a buck.

Now, when you pay nearly fifty cents a pound for butter, think of Cleveland's early days when it cost only nine cents a pound, or compare your meat costs then and now: turkeys, fifty cents each; mutton, beef, and

(Continued on page 16)

CITY OF CLEVELAND

(Continued from page 15)

pork, two cents and four cents per pound; roasting pigs twenty-five cents.

Civilization comes to us garbed in progress of the arts, science and state craft, trimmed with ease and luxury, all of which someone must pay for. Yet Colton tells us that all of these are as productive of selfishness as the difficulties, privations and sterilities of the lowest.

Had Good Times

However, we shall not moralize on the hardships of the pioneers. They lived in an age which had none of what we today know as comforts and conveniences. They were hardy, healthy, robust and strong, as a class—and their times were good times to them.

They got a greater kick out of the Virginia reel, and joining hands and circling to the left in the old square dance, than the present generation gets trying to fit an anaemic waltz to the raucous rattle of a juke box in some dingy tavern.

■ ■ ■

POOR OLD GEORGE

I sing of the fall guy who labors
At desk or at counter or forge,
That butt of his wisenheim neighbors,
That goat of the chiselers, George!

The smarties are clever at
Letting George do it,
They're snickering ever at
How he hops to it.
"George" they say, smirking
While passing the buck,
"Is a hard-working,
Dumb, good-natured cluck!"

And yet, when their projects go haywire
And all of their fingers are thumbs,
They send out a night or a day wire,
They keep paging George till he comes;

George, the big, pliable,
Soft-hearted slob,
Faithful, reliable,
Handles the job.

He slams through the boulders
That clutter the road,
He bears on his shoulders
A seven-man load.
When Deeds are required
In office or shop,
George, dogged, dog-tired,
Plods over the top!

George, who is sendable
Anywhere, when
Jobs need dependable,
Trustable men —
George'll slog through it
And it's a wise plan
"Letting George do it"
When no one else can!

ALLIGATOR IS SHY

Seldom Attacks Man Except In Self-Defense—Florida Protects By Law

The alligator is neither beautiful nor companionable, although a shy creature. It is ugly in temper and is something to respect when acting in self-defense. In many ways the alligator is valuable commercially. Its tough hide makes up many beautiful things in bags, portfolios, etc. This is probably the reason why Florida protects the reptile with laws.

Alligators resemble crocodiles in structure and habits. There are only two species in the United States—the American or Florida alligator, found in the rivers and swamps from North Carolina to the Rio Grande, and a little known Chinese species. At birth alligators are about 8 inches long. They grow about a foot a year for the first ten years, the male reaching a length of 12 or 13 feet, the female seldom exceeding 7 or 8 feet. Alligators feed on fish, birds, mammals and sometimes their own young. They are shy and seldom attack man except in self-defense. The female lays between 100 to 200 eggs. The process of incubation takes 60 days and is accomplished by heat of the sun, and warmth and moisture of decaying vegetation.

Alligators are hunted for their hides and teeth which are of fine ivory. Thousands of these reptiles have been ruthlessly destroyed for sport which has greatly reduced their numbers. This has been done regardless of the recognized commercial value of their hides. Now this value is more clearly understood and appreciated and the state of Florida has adopted protective measures. The eggs are eaten and the flesh is sometimes used as food, which doesn't sound very appetizing to us.

■ ■ ■

New World

We do not have to wait for the end of the war for a new and changed world. It's changing now, day by day. An orange squeezer factory is making bullet pouches, a roller coaster factory, signal towers, a wall paper plant is making shells, and a football factory is making gas masks—a change from feet to head.

George at the gun and
The lathe and the forge
Gets the thing done — and
Thank heaven for George!

Nation's Business, April

IT'S THE SPIRIT

Young Soldiers On Furlough Reflect the Attitude of Nation's Defenders

There is one thing that impresses us about young men in service when they come home on short furloughs. They take their service in the army as a matter of patriotic duty. Since enlistments began over a year ago we have had many opportunities to study these sturdy young fellows, and have yet to see a single one showing the slightest sign of nervousness or apprehension of the future. Their acceptance of military service in this spirit is a fine tribute to the young manhood of this country. That they realize their great responsibility there is no doubt. They are in the service and it follows that they keep in close touch with what is going on at home and abroad. This, however, seems to have no more effect on them than the result of a baseball game.

Merits and Demerits

Military service, like everything else, has its merits and demerits. When we look at these young men, after a year or more of training, see their trim muscular forms, the bright gleam in their eyes and their clear, dissipation-free complexion, we admit that systematic training has helped them materially. It has benefitted them in every way--been a good thing for them physically and morally.

Another Side

The other side of the picture calls for no description. Civilians know its portent, and so do the men in camp. Mueller Co., like other big industrial and commercial organizations, has witnessed many of its members answer their country's call, and when they come back for a brief visit, we give them a warm welcome and a proud welcome, because of our pride in them, and of the thousands of young men from all parts of the country, who accept without complaint, moaning or wailing, the duty thrust upon them.

Real Americans

They are patriotic Americans and that's why they take their lot so philosophically. They know their job and are not asking for or expecting a lot of mawkish sympathy. They would a heap-sight rather take a good whack on the back, with the admonition to "Give 'em Hell when you get a chance."

We are proud of them and their American spirit--the spirit that is going to win this war.

The miller does not see everything that floats by his mill.

THE CATHEDRAL

Illustrates Character of Men Who See Only In The Present

There is that old story of three men at work being asked, "What are you doing?" And they answered this way:

First: "Breaking rock."

Second: "Working for \$8.00 per day."

Third: "Me? I'm building a cathedral."

Briefly, the above furnishes an index to men, their motives and ambition. One was what he should be, a rock-breaker--no vision, no dream of the future or joy in what his efforts might contribute. The second was much the same, but with the addition of a grasping or selfish desire for money only. And the third!

Had Vision

He was not breaking rock, with no thought of why or wherefore, nor like the second who thought of nothing but the day's pay. He knew all that the first two did, but his mind and thought were far beyond commonplaces--and he saw in the future the grand cathedral which was in part due to his humble efforts. It was a part of him, his mind, his muscle, and his love of the beautiful.

Story Fits the Times

This old story has a parallel in this period of devastating war.

It is no time to "just break rock," or to break rock for so much per day. It's a time to build yourself into the future of the world, into a free people of a nation with eyes on a country and a civilization that insures peace, happiness and freedom from anarchy, monarchy or dictatorships.

Look at your problems as did the man helping to build a cathedral. It will lighten your burden and make the way to victory easier and more certain.

GALVEZ GETS GAY

Galveston is going Atlantic City. A big recreation pier is under construction. The cost is placed at \$1,500,000. It will extend into the gulf for a distance of four blocks and will be two hundred feet wide. At the extreme South end there will be a fishing pier. There will be restaurants, amusement places, dance floors, bathing booths, convention space and in fact, all the well-known features of the older ocean piers and many new and more modern ones. The pier will be a fine addition to the famous Texas seaside city.

He who would get the kernel must get the shell.

Army Award For Meritorious Production

THE presentation of the Army Award for Meritorious Production to Mueller employees by the Chicago Ordnance District was an epochal event in the history of the company, and will live for many years in the memory of all who shared in this honor, as well as those who participated as spectators. This presentation and the accompanying ceremonies were combined with the annual picnic held Wednesday afternoon, July 15, at Mueller Heights.

Popular as Employees' picnics have invariably been, this year's gathering was of secondary importance. The outstanding feature in all minds was the high honor conferred on Mueller employees engaged in producing war material. This event brought a large crowd to the open air theater, where the exercises were held beneath a cloudless sky and surrounded by a natural environment of old oaks and other forest trees.

The presence of Brigadier-General D. Armstrong and members of his staff for the presentation of the award was wholly voluntary. It was, however, an agreeable and welcome coincidence, fitting in so nicely with other exercises of the day. More than this, it was a deeply appreciated recognition of the fine service rendered by Mueller employees in fulfillment of governmental orders.

An Inspiring Sight

That portion of the program devoted to the award of the banner began at 2:30 p. m.,



This reduced facsimile of the Army Award for Meritorious Production was presented to Mueller employees. When unveiled the photograph was made showing at the right General D. Armstrong, Brigadier-General, and the women's committee of acceptance, left to right: Mary Yonker, Elizabeth Yonker, and the m... At the left, Adolph Mueller, Chairman of the Board, and the m... Herman Salefski, Robert Brown.



W. E. MUELLER,
President:

"This is an all-out war, and the country or group of countries which come in second place lose everything. Our government should give us facts regarding progress of the war. In knowing the truth, we will know what we have to meet and then we will have complete confidence in our government."

with a short address by W. E. Mueller, President, and Adolph Mueller, Chairman of the Board, followed by patriotic selections by the Goodman Band, and the inspiring spectacle of Mueller Boy Scouts raising the flag. The band music, the presence of Brigadier-General Armstrong and his aides, the veiled award banner, surmounted by the Stars and Stripes, and flanked by flags of the Allies, took on a new significance impressing the audience with the solemn portent of war as well as increasing patriotic devotion to national ideals.

Seated on the stage were the Employees' Committees named to receive the award, General Armstrong, his accompanying officers, guests of the day, and company members and executives.

Supt. Frank Taylor, as platform manager, introduced W. E. Mueller,

as first speaker of

After sketching the primary phases of industry in the primary phases of industry for war, he said:

"We realize now that there will be changing methods, material contribution and we have a start leading to meet the new conditions."

No Time to

"Our thinking has realized that to win we get in with everything longer can there be and this is where we longer can we tempt from what is necessary was a time when we take the war or leave is past.

Government Should

"This is an all-country or group come in second place—in fact, there is this war.

"Our government facts regarding pro

Production Given Mueller Employees



Production is 3 by 4 feet in dimensions. It is the same back and front. General D. Armstrong, in command of the Chicago Ordnance District, and Eldora Cross, and Beulah Staudt. The men's committee of acceptance, reading left to right: Raymond Oakley,

of the day.

briefly the preliminary industry preparing

by that in the future changes in manufacturing materials used and disassembled have already made a definite plan to conditions.

Temporize

has been changed. We must do this war we must do everything we have—no half measures—we stand today. No temporize or shy off necessary to do. There we felt we could have it, but that time

Should Give Us Facts

out-war, and the of nations which face lose everything no second prize in

nt should give us progress of the war.

The only information kept from us should be that which might help the enemy. In knowing the truth we will know what we have to meet, and then we will have complete confidence in our government.

"Criticism that we make about our government, companies, groups or individuals should be constructive and should not be based on rumors or half-truths.

Two Fronts of War

"We have two fronts in this war—the war front and the home front. We are hoping and expecting miracles from the war front. If we of the home front expect this, the home front must, likewise, perform miracles. We must give our armed force the finest support possible.

"Most of us here have some relative in the active service, and we should do anything possible to give them supplies, the confidence and morale they need and understanding that despite restrictions and shortages, things are going well with the home front. How can we do this? Think over carefully the following:

- "Keep physically and mentally fit.
- "Whatever your job is, do it efficiently.
- "Buy government bonds. Ninety per

cent of this organization are doing so on a systematic monthly basis.

"Support relief drives. It is probable that the Community Chest and similar movements will be consolidated in one general drive during October.

"We must support the Red Cross in blood bank and service.

"Conserve rubber, by swapping rides, eliminate pleasure riding and in all cases protect your tires by the minimum use of them.

"As individuals and as a nation our morale must be invincible. We will have to make many sacrifices, but I think we believe this and will do it.

Must Be On Our Guard

"All down the line we must be on our guard, to protect and uphold every essential element necessary to a solidified home front. This includes farmers, merchants, manufacturers, railroads, airlines and public utilities. All these are in the chain of home front defenses.

"It is easy to say that we will win this war and that we have won all other wars, but these are merely words. We shall win this war only if we, as a nation, and on the home front put everything in it that we have, and by going all-out in every way."

When the applause died away, Adolph Mueller, Chairman of the Board, faced the audience and was given close attention throughout his address. Among many other points touched upon, he said:

"Throughout this country thousands of men are daily asking themselves 'What Can I Do?' As Liberty explains in a recent editorial, they are 'talking to themselves' and adds that 'When they do this, they embody the

(Continued on page 20)

ADOLPH MUELLER,

Chairman of the Board:

"Today an American is one who swears allegiance to the Constitution, obeys the laws, and helps protect his country from the selfish ambition of warmad men. There is much that can be done to strengthen the spirit, the courage and the mental attitude of the men facing a powerful, cruel and merciless enemy. Make up your mind to do something that will help pave the way to victory."



very spirit of unity, but it is only when they find some actual outlet for the ideal that has stirred them is their spirit satisfied. It is only when the spirit of man takes hold of the mind that motives are unscrambled and the objective becomes clear. I believe this to be true.

There Is Much To Do

"There is much that can be done to strengthen the home front and thus strengthen the spirit, the courage and the mental attitude of the men facing a powerful, cruel, and merciless enemy.

"We can do this by our allegiance to our government; by a renewal of our faith in ourselves and our cause; by joining and supporting every effort which seeks to uphold the principles of freedom; by self-sacrifice to provide for the cost of this unjustified assault upon the principles of self-government. If you have been talking to yourself and asking 'What can I do?' make up your mind to do something which will help pave the way to victory.

The Time to Strike

"Do you recall those words of Fitz-Greene Halleck:

Strike—for your altars and your fires;
Strike—for the green graves of your sires;
God—and your native land!

"If ever there was a time in our history when such a rallying cry called us to defensive battle for justice and liberty, it is now. In three lines the poet has embodied the need, the urgency, the unescapable duty of all Americans. We are to strike for all that our forefathers bequeathed to us—our fires, altars, their green graves, 'God and Native Land.'

The American Today

"Today an American is one who swears allegiance to the Constitution, obeys the laws, in time of aggression should his rifle and helps to protect his country from selfish ambition of a few war-mad men. An American may be a man who works in the ditch, in the factory, in an office, or he may be an employer—but in the final analysis he is the equal of all men before the law.

"The strength of this government rests on the man of this type. He is master of his destiny, insofar as his right to voice his choice through the ballot box for men to fill office from President to town constable.

"The government is a reflex of the good citizen, and it follows that the more good citizens we have the better government we shall have.

"The good citizen and his family is the unit of government. He is the first and last consideration. He is responsible in part for the character of his country.

A Little Retrospect

"You might indulge in a little retrospection, and, perhaps, you will find that Confucius, living from 551-479 B. C., had a very clear conception of the proper steps to pursue in eliminating turmoil and trouble. In effect, he said the first thing to do is try to correct turmoil and trouble in the world; then in your nation, state, city, and your family; and then look into your own heart."

Presentation of Award

Then came the big feature of the day—the presentation to Mueller Employees of the Army Award for Meritorious Production.

The introduction of General Armstrong for this portion of the exercises was made by L. W. Mueller, Vice President and Works Manager who said:

"As you all know, the principal ceremony today is the presentation to you by the Chicago Ordnance District of an official award in recognition of your excellent performance in producing ordnance material—an honor of which each of you may be justly proud. It has been awarded to only a few, and each of these groups has justly earned it by their contribution to the war effort.

"If you are not a direct producer of this war product, do not feel that you are not a part of this occasion. The feelings and emotional reaction of people is one of the most difficult problems in war management.

Some Do The Spectacular

"In all organizations and contests where groups participate, there are some doing the spectacular thing. They get the attention and plaudits of the onlookers. But supporting them are many who, unseen, perform their parts perfectly. If they did not, the spectacular part would not materialize. The fine and clever lawyer sways a jury from tears to laughter and turns a seemingly impossible case to victory. Back in his office are partners who worked and planned for weeks preparing the case. The spectacular performance in court was only a small part of the total effort.

"In football a man makes a touch-down and performs the spectacular play of the game. The other ten men of the team, the trainers, the club house janitor, clerks in the athletic office, all contributed to the field performance. I speak from experience when I say that they all contribute an awful lot.

A Common Experience

"That is the experience of a successful organization. It is and must be made up by everyone doing his or her part.

(See opposite page)

L. W. MUELLER,
V. P. and Works
Mgr.:

"Team work is the spirit of all successful organizations. It must be made up by each one doing his or her part. The award today is to every member of the entire Mueller family. So long as team work prevails, and I know that it will because it is the American spirit, no nation or group of nations can ever defeat America."





A section of the open-air amphitheater photographed from the stage during speech of Adolph Mueller, Chairman of the Board.

"This award made today is to every member of the Mueller organization including the entire family. Every one of you has contributed or this award would not be coming to you.

"I know most of you people pretty well; know the effort you have made without thought of any recognition or praise, and I know you will continue along these lines.

It Is the American Way

"So long as that spirit of teamwork prevails, and I know it will because it is the American spirit, no nation or group of nations can ever defeat America.

A Great Honor

"It is a great honor to have the presentation of the award made by General Armstrong in person. He is a very busy officer.

"General Armstrong has been recently promoted from the rank of Colonel to that of General, in recognition of his excellent service.

"I have the honor and the pleasure of presenting to you General Armstrong."

A Fine Record

General Armstrong spoke of conditions on the Army and Industrial fronts and then said:

"I've congratulated the company members on their achievement in moving into the present plant, and I want to say publicly again to you men and women that it is altogether fitting that the Chicago Ordnance District take cognizance of the fine record of

the Mueller Co. and present to the representatives of the company here today, the Ordnance Banner, which betokens the fact that the Mueller Co. is an outstanding facility in the Chicago Ordnance District, that it has made a splendid record, that it deserves this distinction in being awarded a banner, and so, Mueller Co. and ladies and gentlemen of the committee, I have the honor to present this banner which I believe will now be unveiled."

As he cut the cord and allowed the veil to drop from the front of the Award banner, the members of the committee lined up on either side.

Speaking for the men, G. H. Salefski said:

"In behalf of the men, we appreciate the honor of this award.

"We have and will continue doing our very best. Thank you, General Armstrong."

The acceptance speech for the women, was made by Mary Yonker.

"In behalf of the Mueller Co. and employees, we consider this a great honor and privilege which we have worked hard for and intend to continue to do so.

"We realize it is going to take the help of the women of this nation as well as the men, to win this war, but if it is sacrifice and hard work it takes to win, we, the Mueller Co., and employees, will be there 100%."

"We thank you."

(Continued on page 22)

(Continued from page 21)

This concluding act of the presentation of the banner was greeted with enthusiastic applause.

"And so, ladies and gentlemen," said General Armstrong, "my final congratulations and best wishes. Continue this fine record which you have already commenced. I know we can count on you to produce even greater quantities of these fine weapons, with which our men will win this war. Thank you very much."

Left to the Employees

A fine burst of sincere applause greeted the close of this part of the exercises.

The committee of acceptance of the banner consisted of three men and three women, representing the three shifts now doing twenty-four hours a day. The selection of the members was left to the employees without any outside influence or suggestion. They decided to resort to the medium of a drawing from a complete list of employees' names and the result was:

First Shift—G. H. Salefski and Eldora Cross.

Second Shift—Raymond Oakley and Mary Yonker.

Third Shift—Robert Brown and Beulah Staudt.

There remained the selection of two employees to accept the banner and make appropriate replies. By common consent G. H. Salefski for the men and Mary Yonker for the women were named, and they discharged their pleasant duty briefly and appropriately.

■ ■ ■

Good On Pan Cakes

An Indian in New Mexico returned to the village for the third time to buy a dozen bottles of cough syrup.

Druggist: "Someone sick at your house?"

Indian: "No sick."

Druggist: "Then what on earth is all this cough syrup for?"

Indian: "Mmm—me likum on pancakes."

Pushed for Life

Howell: "A good deal depends on the formation of early habits."

Lowell: "I know it; when I was a baby my mother hired a woman to wheel me about, and I have been pushed for money ever since."

As Usual

Jones: "I suppose you summered in the country."

Brown: "No, I simmered in the city."

DEPENDS ON INDUSTRY

General Armstrong Presents Banner And Speaks Frankly on War Condition

General Armstrong throughout the day was given the "once-over" wherever he chanced to be. There was none of the "grim-visaged warrior" you read about in books. He was quite the contrary, a democratic, American citizen. He was "shot" many times by amateur, pseudo-professional and professional photographers, and took his punishment with smiling good humor.

An extract from his platform address is made elsewhere, in connection with the "Army Award for Meritorious Production", but his speech in full is given here. His fair, frank, unbiased statement is worthy of the attention of every reader of The Record. The address in full follows:

W. E. Mueller who spoke here today said something that was absolutely true, and that I want to emphasize. He said that the people of this country ought to know the truth about the conduct of the war up to the present time, and I say to you today that, exclusive of a very few episodes, up to the present time our country has been losing the war. We have courage enough to face these adverse facts. We, in adversity, can gird ourselves to greater efforts, and it is what each one of us must do. But we are merely running true to form in 1942. In the Revolutionary War, in the War of 1812, in the War against Mexico, in the Civil War, in fact in all our wars, we have lost in the beginning, battle after battle, only to win the last battle, and to win the war always, and we shall do the same again.

Due to Unpreparedness

But let me say this, we have lost the war so far, not due to any lack of skill on the part of our military leaders, not due to any lack of bravery or courage on the part of the men who are fighting at the front, but simply because we deluded ourselves through the years since the world war with the thought that we had faced the last war in our history, and we governed ourselves accordingly. We neglected our army and navy, and we have lost in the battles to date because our army has been unprepared, and not supplied with modern equipment or supplies.

Industry Now First

And so today, we view the unpleasant fact that we are losing the war on a military front, and we shall not win the war on the military front until we complete the victory on the industrial front. For the present that is my duty, to deal with industry, and what the Mueller Co. has accomplished is unquestionably outstanding. But I have the pleasure to tell you that we have, in the Chicago Ordnance District, 1,800 prime contracts and that nearly everyone of these is producing splendidly.

Support is 100 Per Cent

I can pay this tribute to the American worker, to American management, and to American ownership, that they are cooperating with us in the army 100%, and even better. We are producing an amazing quantity, and I might add, an amazing quality of ordnance material that is bound some day to win this war.

In the Chicago Ordnance District we are producing already more tanks in one month than we produced in the twenty-two months of the World War, and I could multiply these

(See opposite page)

(Continued from opposite page)
instances. Our material has been successful at the front.

American Tanks Superior

Our tanks have proved superior to the German and Japanese tanks, and I assure you that carries through for all our equipment. And the men, who like this soldier, who has gone from the Mueller Co. can count on being equipped with outstanding equipment. He will in the future be at no disadvantage when he faces the enemy, and he will have an adequate supply of these weapons, thanks to the skill and energy of our men and women before me today. This is typical of what is going on throughout the length and breadth of our country.

Mechanics Above Average

Let me say more particularly of the Mueller organization. Some two and one-half years ago, in our planning and work, when our Chicago Ordnance District had only five persons in its office, and we were only planning for a possible war, I came to Decatur and went through this plant with L. W. Mueller and some of the other members of the family. I learned to know then the outstanding skill and energy of your engineering staff. As I walked down the aisles of machine tools, I found those who were working there to be above the average, and I came away convinced that if and when our country needed production for war from Mueller Co., it would be forthcoming, and it would be adequate.

This looks like a very small piece of ordnance equipment, but it is one of the most essential we have because it is with shot like this we shall destroy the enemy tanks and put them out of action so they will not kill our men.

Company Co-operation

The technical problems behind the production of that shot are incredible to the layman. They have taken the outstanding skill of the engineers and management of your company, and incidentally, your company was farseeing. They looked ahead, for many months, and years ago, in fact, the Mueller Co. has been working with the Ordnance District in Chicago to determine just what they could manufacture here most effectively.

For what you have done I bring you the thanks of the Chicago Ordnance District. You can be more than proud of what you have accomplished. It is an outstanding achievement. When you moved your plant the other day, which resulted in going into a fine new plant in which I find you today, for your war work, you accomplished that move with the same sort of skill that you are doing other things.

Fitting Recognition

I have congratulated Mr. Mueller and company on that achievement, and I want to say publicly again to you men and women that it is altogether fitting that the Chicago Ordnance District take cognizance of the fine record of the Mueller Co. and present to the representatives of the company here today, the Ordnance Banner, which betokens the fact that the Mueller Co. is an outstanding facility in the Chicago Ordnance District, that it has made a splendid record, that it deserves this distinction in being awarded a banner, and so Mueller Co., and ladies and gentlemen of the committee, I have the honor to present this banner which I believe will now be unveiled.

And so, ladies and gentlemen, my final congratulations and best wishes. Continue this fine record which you have already commenced. I know we can count on you to produce even greater quantities of these fine weapons with which our men will win the war.

Thank you very much.

■ ■ ■

War, so much the trade of the world, has only been the business of necessity.—Anon.

Newly Weds



The bridegroom, who was in a horribly nervous condition, appealed to the clergyman in a loud whisper, at the close of the ceremony: "Is it kisstomary to cuss the bride?"

The clergyman replied:

"Not yet, but soon."

GREEK MYTHOLOGY

Ethel: "She treats her husband like a Greek god."

Hugh: "How so?"

Ethel: "Why, she places a burnt offering before him at every meal."

THE WORM'S TURN

Sadie: "That husband of mine is a worm if there ever was one."

Daisy: "Yes, I just saw a chicken pick him up."

TONGUE TELLS TALE

First Cat: "Does Mrs. Gabber talk much?"

Second Cat: "Does she? You ought to have seen how sunburned her tongue was when she came back from her vacation."

ALARM CLOCK RUNS DOWN

Mr. N. W.: "It must be time to get up."

Mrs. N. W.: "Why dear?"

Mr. N. W.: "Baby's fallen asleep."

GOOD THING, PERHAPS

"Who gave the bride away?"

"I could have, but I kept my mouth shut."

JACK ON THE JOB

Bride: "Jack, dear, let us try and make the other people think we've been married a long time."

Jack: "All right, honey, but do you think you can carry both suitcases?"

ALMOST AS GOOD

The Brute: "These beans are excellent. They are almost as good as the beans mother used to open."

Mueller Expects Every Man To Do His Duty



General Armstrong going into action supported by his aides—Robert H. Mueller, Lieutenant Bruer and Lieutenant Colonel Francis Scherer

This is just a trifle different from the famous message by Admiral Horatio Nelson just prior to the battle of Trafalgar but application of a paraphrase to our luncheon party seems justified by the fact that the guests of honor were military men.

The luncheon was held on the day of the exercises in which General Armstrong and aides of the Chicago Ordnance district were prominent in the activities attending the Army Award for Meritorious Production. In addition it is the Mueller thought that at all of our dinners the guests are expected to do their duty.

Passing from the sublimity of Nelson and his signal in the historic Trafalgar battle to the thought of gastronomic feats there is another more wholesome though commonplace expression of the farmer's wife, who was entertaining guests. She said: "Now pitch in folks and help yourselves, the vittles are all on the table and they got to be et." Take your choice of the military or civilian way, but don't get up from the Mueller table feeling hungry.

It was especially pleasing to us to have General Armstrong and aides answer the "dinner bell" for the reason that it was the initial occasion of an affair even approaching formality. At that there was not much of that social requirement because the military men from the general down to a private were just about as democratic as one could wish for.

Our cafeteria is in a new, well-lighted building, nicely furnished with everything in it new and shiny from the kitchen to the

front entrance. It has a seating capacity of 260 and follows the latest and most modern cafeteria plans for prompt service, quick seating and quick exit. Back of all this is the fact that the cafeteria crew has had years of service and experience in this class of work. All of the mechanical equipment is right up to date. The menu on the occasion of General Armstrong's visit is a fair sample of the variety of food served every day to Mueller employees. And much of it, in season, is the natural product fresh from the farm.

The menu at the luncheon follows:

Soup
Roast Beef
Mashed New Potatoes New Green Beans
Macaroni and Cheese
Slaw Combination Salad
Jelly Roll Apricot Pie
Tea Coffee Ice Tea Milk

This new cafeteria is a part of Plant 3, now operated on a 24 hour schedule, seven days a week. Meals are served as follows each day.

(See opposite page)

■ ■ ■

MIND READER

Sick woman in bed: "Oh, doctor, there must be something dreadful the matter with me—you look so pleased."

CALL FOR NEW DEAL

Doc: "I don't like to mention it, but that check you gave me has come back."

Lumbago: "Well, that sure is strange, doc. So has my lumbago."



First two in uniform, members of General Armstrong's escort. Adolph Mueller, General Armstrong and L. W. (Duke) Mueller. The angle from which this photograph was taken makes impossible complete identification but of the lower half, we recognize among those facing: Paul Jacka, A. G. Webber, Jr., R. H. Mueller, Lieutenant Grant Bruer, Lieutenant Col. Francis R. Scherer. With backs turned: Clarence Roarick, O. C. Keil, Jean DeShon, Frank H. Mueller and J. L. Logsdon.

Breakfast Available

First Shift10:30 A. M. to 12 M.
 Second Shift.....6:30 P. M. to 8 P. M.
 Third Shift2:30 A. M. to 3:30 A. M.

This calls for three crews in the kitchen and at the service counters. Between 650 and 700 regular meals are served daily. In addition there are many employees who prefer to bring their own lunches. They are expected to eat in the cafeteria, and have the privilege of supplementing their home lunch with anything they desire from the cafeteria counters.

■ ■ ■

FEW COMFORTS

When George Washington led his patriots to war he did not enjoy as much comfort as does a private in the ranks of today. Military duty, never a pink tea, is a hard, rough life at best. A new military gallery in the museum of the New York Historical Society demonstrates this. Among the relics of the Revolutionary War is General Washington's camp cot. In principle it somewhat resembles the cot of today, but that's where the resemblance is "continued on next page." It has folding legs, but roughly made. Rough boards extend along the sides and within these straw was placed, and over this a blanket was doubtless spread. Here the great leader could rest his weary bones at night and plan his campaigns. There wasn't much chance of sleeping, but the cot was a great stimulator of thought.

JUST JUNK

● From the Junk Yard Journal: Goats are not the only animal that will eat anything from a chocolate éclair to a tin can.—A Geneseo, Illinois, dog was X-rayed and its stomach showed some thirty odd bits of screws, nuts, etc., from a child's toy mechanical set . . . Farmer in Elizabeth, N. C., had to remove his horses from the barn to pasture because the billy goat chewed off their tails . . . A bull dog owned by a Charleston, Indiana, woman got drunk daily. Asked police to shadow the canine souse to find its hang out . . . Cows at Syracuse got tight on fermenting apples . . . The goat that found an illicit still loaded up on moonshine and protected his find, refusing to let a policeman jump his claim. Instead he butted the policeman so hard that a rescue squad was called out.

■ ■ ■

Hasty climbers have sudden falls.

The greatest truths are simplest; and so are the greatest men.

A city court official, after explaining the history of the American flag to a group of aliens seeking citizenship papers, asked one of them: "Tell me, what flies over the city hall?"

The alien blinked a minute, and replied: "Peejins."—Rays of Sunshine.

GROUP ON PLATFORM DURING EXERCISES



Left to right, back row of chairs: Private William H. Rohman (Mueller Co. employee); William E. Mueller, President; Lt. Col. Francis R. Scherer, Ord. Dept., Commanding Officer, Oak and Sangamon Plants; Capt. Ben C. Seal, Victory Ordnance Plant, Assistant Area Engineer.

Front row of chairs: Lucien W. Mueller, Vice-President and Works Manager; Brigadier General Donald Armstrong; Lieut. R. P. Shimmin, Jr., Peoria Sub-Office of Chicago Ordnance District; Major Glen E. Hofto, Area Engineer, Oak Ordnance Plant; and Lieut. Grant Bruer, the General's Aide.

First row of seats in the background are seated: Frank H. Mueller, Robert H. Mueller, Mrs. Robert H. Mueller, Mrs. Fred Kaiser, Fred Kaiser, and Jean De Shon.

JUST FOUR WORDS

Tell the Story of Every Citizen's
Obligation to His Country



Behind all of this feverish activity of our company and hundreds of other patriotic industrialists there is an unseen urge which should be recognized by every citizen without argument or appeal. It is a short story told in four words.

BUY BONDS AND STAMPS

All that we are doing in this factory is just one illustration of what is going on today throughout the United States. It need not be said, but yet it is a fact which stands constant repetition, that all this means a cost of billions of dollars. It is no time for any industrial enterprise to hesitate and ask whether it is profitable or unprofitable. Let that story be told when the smoke clears

away and the books are finally balanced. Patriotic manufacturers and employees are now concerned only with producing the goods.

Somebody has got to pay for it all or help pay for it. That somebody is the American citizen no matter who he may be or what his station in society.

The easiest way to do this is to buy Bonds and Stamps. Put aside every dollar you can possibly save for this purpose.

Sacrifice pleasures and comforts if you must. Saving and sacrifice now are better than slavery in the days that may follow.

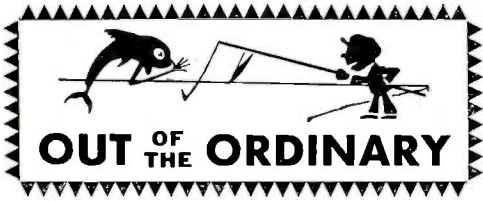
Every American man and woman is in this war and must realize the fact.

Don't forget that the war is not yet won. Awaken to the fact that statesmen, diplomats, military leaders and law makers have suddenly come to a realization that we may lose it. Keep that horrifying fact in your mind and do your part to avert it by buying Bonds and Stamps, even though you may have to occasionally go hungry to do it.

She Did

Auntie: "When I was a child I was told that if I made ugly faces, I would stay that way."

Little Jane: Well, Auntie, you can't say you weren't warned.



Fine Reception: From a professional standpoint, Frank Boguez picked out a likely house to rob in Queens, New York. His only mistake was selecting a house occupied by a policeman, and his misfortune was that the "copper" was at home. Three minutes after he entered the policeman's bed room, he had accumulated a fractured hand, a badly battered face and a ride in the patrol car to jail.

Down the Generations: An advertisement from a Western paper: "I am no longer responsible for any debts incurred by my great-great grandson Robert Hewitt."

Divorce Case in Sight: An Argentinian bit her third husband on the hip. Investigation showed that her first husband divorced her when she gnawed his elbow, while the second deserted her when she chewed out a chunk from the calf of his leg. Muzzle her.

Were Still Afloat: Members of an American submarine crew patrolling the Caribbean, turned on the radio to get a broadcast that their boat had been sunk, but a glance about reassured them that the boat was still afloat.

Strange Bedfellow: A. J. Malchar, Albuquerque, N. M., awoke to find that he had a bed-fellow. Thinking it was a member of his work crew, he moved over to make room. Next morning he learned his mistake. The strange bedfellow was gone, likewise Malchar's bill fold and \$40.00.

Revenge: The burglar in the home of John Johnson, Denver, disgusted in finding only 15 cents in a small bank, said it with eggs—two dozen of them smashed on walls and ceilings.

Old Hickory Signed: The old Swing farm, Mason City, Ill., which is half way between Peoria and Springfield, served as an inn for travellers in coaches. Recently sold, it was found that the original deed, quite likely written with goose quill, was a square of sheepskin. This transfer from the government to the Swing family bore the name of Andrew Jackson.

Missouri Licenses: Missouri motorists will use their 1942 license plates through 1943. A small "rider" attached to the old plate indicates that license fee has been paid.

Easy for Prosecutor: The prosecuting attorney, Haskell County, Kansas, moved to California. The only attorney left was made prosecutor. No defense attorneys now in stock.

Efficacy of Prayer: A preacher was asked by a member of his congregation to say prayers on Sunday for Anna Belle. The middle of the following week the preacher asked if he should repeat the prayer on the coming Sunday. "No thanks," said the church brother. "She won on last Wednesday at 7 to 1."

Misjudged Authority: Lawrence Roller, mayor of Mechanicsburg, Illinois, may have misjudged the extent of his authority when he fatally shot Willie Herman in a dispute over occupancy of a house owned by his honor. Officers of the law knew their authority and arrested the mayor on a charge of murder.

Why Wander: George Thomas Langley, Colias, California, junk dealer, is father for the twenty-fifth time. The baby was named after General MacArthur, because the mother "thought he is such a great man." May we ask, why wander so far afield for a great man?



AROUND THE WORLD

Britain's limit for total tax exemption has dropped to \$480 per year. This means 3,500,000 wage earners become liable for income tax for the first time.

Curtailment of railway service in England increased road service with an immediate rise in accidents.

In Ecuador U. S. cigarettes are the only ones now smoked.

Because of a scarcity of sugar in Spain the government has permitted the use of saccharine as a substitute in the manufacture of natural orange and lemon beverages.

Uruguay is increasing its production of sunflower seed, peanuts and other oleaginous seeds to help meet its annual demand for about 5,500,000 pounds of edible oils.



She: "At what time of day was Adam created?"

He: "A little before Eve."

THE TOUR OF INSPECTION



General Armstrong, Adolph Mueller and L. W. Mueller in serious conference.

Prior to the afternoon exercises General Armstrong and his aides, together with a few invited guests, were accompanied by members of the company on the tour of inspection of Plant 3. The members of the company acted as guides of different groups, pointing out objects of particular interest. Everyone expressed surprise at what they saw and learned in the course of an hour. The symmetrical layout of machinery in long lines the full length of the 600 foot building, the cleanliness of the floors and walls, and the hurrying force of men and women came in for favorable comments and compliments. General Armstrong, most



The general alone stops to study the accurate work of two expert machinists, and to extend friendly greetings.

democratic in his attitude, stopped many times to chat with the men and women. While the trip was a somewhat hurried one, it was very thorough.

Upon its completion, the military and civilian group assembled in the cafeteria for lunch. This was something to see as well as a place to satisfy appetites. Everything in it from the kitchen to the main entrance is not only brand new, but the mechanical devices to expedite feeding large crowds is the last word in cafeteria equipment.

Between the lunch there and the opening of the afternoon program there was a rest period of an hour or so.

■ ■ ■

VALUE OF PLANNING

Machines Moved Three Miles in Operation Within Two Hours

Plant 3 overnight, so to speak, became a bee hive of activity. The task of transferring the necessary machinery from the main plant to Plant 3, a distance of three miles,



W. E. Mueller and General Armstrong give smiling approval as they watch the deft fingers of two girl operators trained in accuracy and speed.

mostly through congested city streets, was accomplished in record time, owing to carefully prearranged plans.

Representatives of the Chicago Ordnance District, who had been in close touch with the plan from the beginning, marvelled at the short time required for the moving and the speedy resumption of production. There was not a hitch in the entire program, and



These three meet again—Adolph Mueller, L. W. Mueller and General Armstrong. Smiling faces indicate a little by-play while inspecting the serious work of producing 100 per cent goods.

considering the number of men engaged, it is a source of satisfaction to know that there wasn't a single accident—not even a finger pinched.

Building Came First

The big buildings south of the city were given a general overhauling to fit into the new plan. There was much cleaning up and painting, electrical equipment and wiring to be installed, installation of machinery necessary to carry out the preliminary plans, and a general understanding of the ultimate objective. When all this was completed, the actual moving of machines was completed within 10 days and the reconstructed plant was a scene of production activity. Before



L. W. Mueller explains exacting details of an important step in meeting government requirements.

a machine was moved, its location had been determined, necessary space marked off, and electric power ready for immediate connections.

Small Production Time Loss

Within an hour after a machine was unloaded, it was in production. When the last machine was placed a stranger entering the shop would accept it as one that had been active for years. This mere outline does not take in the busy cafeteria which was equipped and staffed ready to furnish meals with promptness characteristic of this branch of our service. Neither does it tell of the busy excavating machines levelling the surrounding grounds or preparing a new entrance to the plant from the north.

Splendid Illustration

We make no special mention of individual records because it is a case of many individuals completing a whole—a splendid illustration of what can be accomplished through co-operative effort.



DENIZENS OF THE DEEP

At the great depths of the oceans, even under the equator, the water is only slightly above the freezing point. The sunlight cannot penetrate to it. The pressure is enormous, 9,000 pounds to the square inch at a depth of 3,000 fathoms. This is the average depth of the floor of the Pacific Ocean. In the absence of plant life the conclusion is drawn that animals of the sea must be carnivorous. A few of these animals are blind while others have exceptionally large eyes, as though to catch the phosphorescent light. This leads explorers to the belief that a faint light may penetrate to the bed of the ocean. Abyssal fish being carnivorous, have enormous mouths, and formidable teeth. Many of them have distensible stomachs so that they can swallow objects larger than themselves.



TIME WILL TELL

The bridegroom, who was in a horribly nervous condition, appealed to the clergyman in a loud whisper, at the close of the ceremony:

"Is it kistomary to cuss the bride?"

The clergyman replied:

"Not yet, but soon."



FOR BETTER OR WORSE

She: "I ought to leave you and go home to mother."

He: "Well, why don't you?"

She: "I can't. She's left father and is coming here."

THE "UPS" AND "DOWNS"

Insured Man Claimed Five Accidents But Company Said One Only

Collecting on an insurance policy involves many questions, which are not always covered by the policy, but are taken for granted by the insured. The company takes a different view. After reading an insurance policy, one is inclined to feel that it covers every possibility of fire or accident. In collecting on a policy there is frequently a disappointing awakening to the fact that things are not always what they seem.

New Group Insurance

There was the man who could designate and describe five separate accidents—a sort of continued catastrophe following in rapid succession the initial mishap. The insurance company wanted to pay for only one instead of five. They refused to recognize this character of "group insurance" under the policy.

Briefly the claimant's case was this: Visiting his new home under construction, he climbed a ladder temporarily doing duty as a stairway to the attic. Here he found a pile of bricks and decided to remove them. He fastened a rope to a barrel and descending to the basement fastening the other end at the bottom of the elevator shaft. Climbing back to the attic he filled the barrel with bricks, made another descent to the basement to unfasten the rope and lower the barrel, and was ready to go.

Bobby Burns Was Right

Then followed in rapid succession a series of blood-stirring events proving the truth of Robert Burns' famous words that "the best laid plans of mice and men gang aft a-glee."

The barrel of brick proved heavier than the man and as it came down, the man went up. Halfway up the elevator shaft he was struck by the barrel of brick coming down, with considerable damage to epidermis. He ascended and the barrel descended, and he struck the roof at the same time the barrel struck bottom. The shock knocked the bottom out of the barrel and the breath out of him. Then, the empty barrel being lighter than he, he started down and the barrel up, and again they met in the middle of the journey. He was pounded, bruised and his face skinned by the impact. When he struck bottom he forget to hold on to the rope, and the released barrel fell from the top of the shaft five stories high and landed squarely on him.

The Box Score:

First—Hit by barrel on first trip up.

Second—Hit when he struck the roof.

Third—Hit by empty barrel on trip down.

Fourth—Bruised when he struck basement floor.

Fifth—Bruised when the barrel fell to the bottom and struck him.

The insurance company said it was all one accident. The man wrote the company cancelling his policy with the caustic comment that "a barrel of brick may skin me but no insurance company can do it."

That was some satisfaction—but not much.

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POST WAR HOMES

Two internationally known Harvard architects give us a preview of Post War conditions. Urban conditions will be relieved "by new townships of about 5,000 people ranged along "superhighways", and consisting of prefabricated houses costing as little as \$1,800.00."

The architects declared these towns could be built by a government-backed "resettlement corporation", formed after the pattern of the Tennessee Valley authority.

Everyone would walk to work in the factories, because the community would be only a mile in diameter, and "walking pathways" would be arranged so that no one would have to cross a main highway to get to work or school.

You could set up housekeeping in a three-room unit, but if your family became larger, you'd get in touch with the prefabricated house people, and a truck would come with another bedroom.

■ ■ ■

DEATH OF THOS. H. GOTHARD

Recent deaths in the water works field included Thomas Henry Gothard of the Artesian Water Dept., Memphis. He had been connected with that organization for 35 years, and most of the Memphis water mains were laid under his supervision. He is survived by his wife and daughter, three sisters, and his mother now 93 years old.

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Eye Opener

Jones: "Is Mr. Wozzy up yet?"

Landlady: "Yes, he got up, drank his bath, and went back to bed."

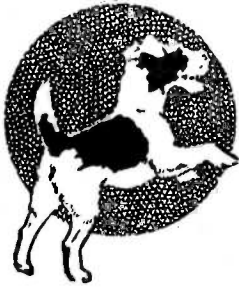
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A speaker was lecturing on forest conservation, "I don't suppose," he said, "that there is a person in the house who has done a single thing to conserve our timber resources."

Silence ruled for several seconds and then a meek voice from the rear of the hall timidly retorted: "I once shot a woodpecker."

Animals In The News

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



● A Wisconsin woman has a dog with two tails. Wagging both tails indicates complete happiness. One tail, just contented. No tails wagging at all, just sore.

● A self-invited 600-pound hog appeared on the lawn of a socially prominent woman during a lawn party, near Philadelphia, driving away the guests, wrecking china, and feasting on cakes and delicacies. The guests from safe positions looked on with amazement. Finishing up, the hog found a nice soft spot in a petunia bed for an after dinner siesta. The hog had escaped from a truck while on the way to market.

● Good Boy Blackbird:—This one fell from its nest a year ago. Nelson Collard, Los Angeles, picked it up and made a pet of it. During the night the house caught fire. The blackbird left its perch in the kitchen, flew to the bed room and awakened Collard in time to extinguish the flames before much damage was done.

● B. C. Andrews, aged 63, Black Hills, South Dakota, is touring the country in a small wagon drawn by two billy goats. A large placard reads: "Buy Defense Bonds" and "The Japs Can't get our Goat." Bon voyage, old scout.

● Australia is a land of many surprises in people and in animals. Over there they have the "Laughing Jackass." It's a biped, while the Jackass is a quadruped. Man is also a biped, and many of him may be classified as a laughing Jackass. He bursts forth on the slightest provocation, with guffaw and haw-haws that irritate the sensitive nerves of his victims. In one sense he is fair and impartial; he leads the laugh when he springs one of his own jokes and follows it when someone else tells a story or cracks a joke. In this particular the "Laughing Jackass" shows discriminating wisdom. He is self-satisfied with his own conception of humor and knows when and were to laugh at his own humor. At another's humor he is left in a state of uncertainty and leaves it to some other than himself to lead off. Then he breaks in with the loudest laugh

that he has in stock. The Laughing Jackass of Australia is also known as the "Settler's Clock," and in this role performs a good service, uttering a peculiar gurgling cry with dependable regularity at dawn and dusk.

● Chicago Sun tells of an Eastern man who closed out his business and moved the family because the fox terrier had lung trouble and the "vet" said a dry desert climate was essential to save the dog's life.

● Dog days started early at Teaneck, N. J. No one succeeded the dog catcher when he was drafted into service. The dogs will now have their day.

● The owner of a theatrical boarding house threw out an animal trainer because he insisted on his trained polar bear using the bath tub.

● The Department of Agriculture is in receipt of a letter from a woman in Kansas, saying "My prize cow Hortense, has been giving milk with a chocolate flavor for more than two months now. What should I do about it?" It may not be our time to horn in, but following our natural inclination to aid the fair sex in distress, we suggest that she rent Hortense to a soda fountain operator for the duration.

KID JOKES

One Guess Enough

"Pa, a man's wife is his better half, isn't she?"

"We are told so, my son."

"Then if a man marries twice, there isn't anything left of him, is there?"

"Correct, my son."

A Nuisance

Announcer (at a concert): "Miss Periwinkle will now sing, "Oh, That I Were a Dove, I'd Flee."

Junior: "Dad, what's a dove-eyed flea?"

Did Not Get By

Mother: "Billie, sit down and tell your little sister a story."

Billy: "I can't sit down, Mother. I just told Daddy a story."

Times Have Changed

Tommy (reading): "It says here, Dad, that in olden days folk were pounced upon by outlaws."

Dad: "Yes, and in these days folk are pounced upon by in-laws."

AN ISLAND CONTINENT

Australia Rich In Natural Resources— Greatest Producer of Wool

Australia is much in the lime light now. It should be by virtue of size, history and its strategic importance in the raging war. It's an island continent. The name of the island was suggested by Captain Matthew Flinders, although he was by no means the first to visit the vast country; but was there in 1795 to survey the country. In 1801 he circumnavigated Australia and charted the Gulf of Carpentaria.

Precise Date in Doubt

There is much doubt as to the precise date of discovery. Magellan's followers claim he was there in 1522. From that date on navigators visited various parts of the island. The first definite knowledge of the country was brought to Europe by the Duyfken, a Dutch ship which explored the north coast in 1606. There were many expeditions of exploration up until 1699.

Captain Cook's Visit

It was in the year 1770 that Captain Cook came upon the island continent, during his circumnavigation of the globe. He explored the whole east coast from Gipps Land on the southeast (in Victoria) to Cape York. These explorations of the whole coast of Australia were not completed until 1837-43.

British Arrive

The first British settlement was not made until 1788. When this came to pass, explorations of the island commenced both west and north. These covered a long period of years, leading to the opening of new territory and acquirement of knowledge of the character of the land, rivers, etc. These continued up to the late 70's and early 80's.

Federation Movement

The definite move for federation began in 1885. This was not fully consummated until 1901, when six colonies were proclaimed a British colonial federation, entitled "The Commonwealth of Australia."

It is primarily an agricultural country, but has other resources of great value. It is the greatest wool producing country in the world. Important crops are wheat, oats, barley, corn, hay, potatoes, sugar cane, sugar beets, grapes and fruit; the country yields gold, silver, lead, copper, tin and coal.

Aboriginals

In the north are the best specimens of the aboriginal tribes. They are the most primitive of all people. They are nomadic, make fires by friction of wood, throw the boomerang and kill kangaroos and other beasts

with spears. In general they are quite harmless. These people, some 60,000 of them, are inferior in muscular development but above the height of Europeans. The men are heavily bearded. Clothing is practically unknown and unnecessary to them, except in cooler weather when they may sometimes wrap a skin about them. Their complexion varies from light coffee to coal black. Their mental faculties are low, but they have a keen sense of the ridiculous and are experts in mimicry. They cultivate no food, and no domestic animals except the dingo, or native dog. Neither do they have permanent dwellings except hovels of boughs or grass.

Know No Morality

In their primitive stage both sexes go practically naked. They practice polygamy, and are ignorant of morality as understood by civilized races. They live on roots, berries, herbs, fish, birds, kangaroos, iguanas, snakes and rats. State parliaments have made adequate protection for these peoples. It appears that they are beyond reclamation, and the only course left is to let them live it out as they see fit.

The climate of Australia varies from eighty five degrees in the north, to fifty four degrees in the south. January is the hottest month, with an average temperature of 84.7 degrees at Palmerston in the north; 85.4 degrees at Alice Springs, in the center, and 79.7 degrees at Port Augusta on the southern coast.

There are many things to marvel about in this great island continent, still young and progressive in the civilized history of the world.

The area of the island of Australia is 2,974,581 square miles.

Large masses or nuggets of gold have been found at various times, which include the famous "Welcome Nugget" (2,217 ounces) and the "Welcome Stranger" (2,315 ounces).

Many Queer Animals

There are many queer animals in Australia, including the Platypus, a combination of bird and fish, equally at home on land and water. It is one of only two creatures which lays eggs but nourishes its young on milk. The other is the Australian echidna, or ant eating porcupine. Then there is the wombat, Tasmanian devil and wolf, the dingo (dog), spotted native cat, blind, deaf and dumb mole, barking and cycling lizard, and housebuilding rodents.

Pensions are paid for old age, invalids, blind, unemployed, victims of tuberculosis and in some cases to dependents of former soldiers.

CAN'T BE STOPPED

Call For Forty-Mile Auto Speed Receives Small Attention

The President called on auto drivers for forty miles an hour on the highway. Most governors followed suit, including The Honorable Dwight Green, governor of Illinois. Sad to relate, "most" drivers failed to heed the request which was based on safety, common sense and saving of tires, but practically all this ammunition missed the mark.

Forty Miles Was Fast For Trains

It has not been so many years since a maintained average of forty miles per hour on a railroad was considered a fine performance, but that slow-poke period is a thing of the past. The auto drivers who have been speeding over the highways at sixty, sixty-five, seventy-five, eighty and eighty-five miles cannot content themselves with the snail's pace of forty miles an hour. Yet at forty miles an hour there are a lot of things that may happen in forty seconds.

The Illinois Safety Bulletin illustrates this with a series of pictures, which we reproduce.

Fifty-nine Feet Per Second

A car driven at forty miles an hour is traveling at the rate of fifty-nine feet in one second. We take it for granted that these figures are correct. If a person stepped from the curb to cross a fifty foot street and the auto driver stepped on his brake at the same time, fifty-nine feet away, there remains a chance for an accident. Outside the cut and dried character of a pre-arranged test, the driver at forty miles an hour would need to reach for his brake, requiring a fraction of a second during which time his car would still be going at nearly the specified forty miles an hour.

Exceed Minimum

There are other contingencies to take into consideration. The minimum stopping distance is 128 feet. It is quite probable that most cars exceed this minimum. A good driver might be quick enough and cool enough to keep within the minimum, which is figured on the most favorable conditions, a dry and level pavement.

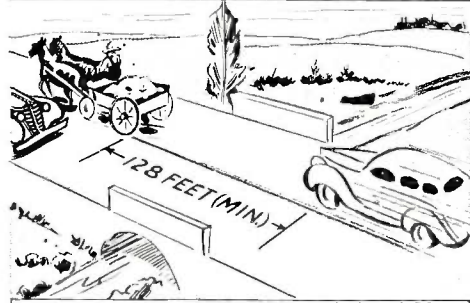
Force of Collision

At 40 m.p.h. a car will collide with a fixed object with the same force that it would exert if it were dropped from the top of a four-story building or from a height of approximately 54 feet. A head-on collision with another car traveling at the same speed would double the force and probably would be fatal. At 40 m.p.h. it also develops enough energy to roll over about three times which

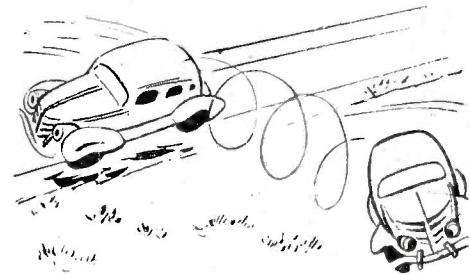
AT 40 M.P.H.



— a car travels 59 feet per second



— minimum stopping distance is 128 feet



— a car will roll over about three times

is enough to mangle or kill a fair percentage of the occupants.

What Happens at Forty

Many a vehicle, because of worn tires or faulty mechanical condition, cannot be operated safely even at 40 m.p.h.

From the best data obtainable, 82% of the fatal accidents and 97% of the injury accidents in urban areas, and 54% and 69%, respectively, in rural areas, occurred when cars were operating 40 or less.

Operating at speeds of 40 m.p.h. therefore still requires skillful and conscientious driving for it can cause serious accidents—yet if not abused, it can bring more enjoyable and much safer driving.

Plumbers Meet at Richmond, Va.



NEW AND RETIRING OFFICERS



Right to Left: T. W. Merryman, Chicago, New President, N. A. M. P.; Ralph K. Landreth, Amarillo, Texas, Vice-President; George H. Werner, Orange, N. J., Treasurer; Ray Ferguson, Chicago, Secretary.

Left: Thomas J. Cronin, Binghamton, N. Y., Past President.

Right: Alex Auchinachie, Past Secretary.

The 60th Annual Convention of the National Association of Master Plumbers at Richmond, Va., in June, offered a number of surprises, among them the attendance. This doubles any pre-convention estimates.

New officers chosen were: President, T. W. Merryman, Chicago; Vice-President, Ralph K. Landreth, Amarillo, Texas; Secretary, Ray Ferguson, Chicago; Treasurer, George H. Werner, Orange, N. J.

The registration reached 978, which indicated a total attendance of 1,000.

The sessions of the convention were held in the Virginia room of the Hotel John Marshall.

Conditions in the industry created by war restrictions came in for a good share of attention. There were four government speakers: W. Walter Timmis, Chief, Plumbing and Heating Branch, W.P.B.; George Hoffman, W.P.B. Consultant; Sullivan Jones, housing priorities chief; Edward Monteath, W.P.B. consultant. These speakers were given close attention. They contributed much to clearing up many clouded priority points and allied restrictive rulings.

President Thomas J. Cronin in his address spoke along similar lines. He referred to restrictions that had been applied to the plumbing industry and said: "Not only have ferrous metals been banned in bath tubs and

lavatories, but other things we use will take on new forms and be constructed of new material. Keep in mind these substitutes are in all probability temporary and will be discarded for the good solid things we always used as soon as the war is over."

The two notable social events were the President's ball and a ride down the historic James River on the steamboat Robert E. Lee.

HELP WIN THE WAR

Charles Swinnerton in Radio Interview Emphasizes Importance of Plumbing

Plumbing is a natural element of civilian needs, with an increased importance at the present time as an aid to national defense. All of this was made plain by Mr. Charles Swinnerton, in a radio interview during the recent annual convention of the National Association of Master Plumbers in Richmond, Virginia.

Mr. Swinnerton pointed out the willingness, and we might add the patriotic desire of this great industry to do their bit. He referred to how the plumbers in England worked under bombings making repairs to damage done to sewers, water and gas lines. The willingness of plumbers to do this in the United States and their fitness for the task is due to their knowledge of the location of

water, gas and sewer lines, which enables them to make repairs promptly. Not only this, the plumber knows the necessity of disinfecting pipes before water is turned into them. The result of the plumber's work in England removed the menace of disease and pestilence.

Had Foresight

As early as September 5, 1940, American plumbers set up a committee to supply fixtures for Army and Navy use. This movement included manufacturers. The basic principle of this plumbing is not to pamper the people but to protect their health.

Disease Greatest Enemy

The bitter lesson of the previous war is an incentive to profit by that experience, which the industry is now doing. In preceding wars the record shows that death from diseases exceeded the losses of killed and wounded.

Sickness from dirt diseases amounts to about 50 per cent of all sickness in the Army. That warrants the greatest possible effort to provide the best adequate sanitary facilities.



Charles Swinnerton

Mr. Swinnerton ventures the prediction that where troops are quartered in established camps and bases that records will show by reason of sanitation, coupled with other protective measures, the saving of the lives of many American soldiers. Our Army and Navy are likely to provide the plumbing industry with the most convincing evidence it has had of the vital necessity of its services and products.

World Wide Protection

The protection of sanitary plumbing has reached our bases in the Caribbean, New Foundland, Iceland, North Ireland and Africa, while thousands of plumbing fixtures have been installed on battleships, submarines and other types of war vessels, as well as on cargo and transport vessels.

A striking example of what plumbing has done is in the solving of a serious problem concerning the grease interceptor. On this we quote Mr. Swinnerton verbatim:

Saves \$6,000 Daily

"The grease interceptor is a device that is

inserted in the waste lines leading from the sink to the sewer. The function of the unit is to catch or intercept grease, so that it will not enter the sewer lines and cause stoppage. Well, the army specified grease interceptors for all its mess halls as a protection to the piping. In the meantime, with the shortage of fats, and the price of grease going up, the army is able to salvage about \$6,000 worth of grease daily. This will increase, of course, as the size of the army increases. The grease is used in the manufacture of glycerine. Glycerine is used in the manufacture of explosives. Explosives are used to bomb the Japs and the Nazis. And it's a pleasant thought that the army's dirty dishes are helping to deliver the goods."

Need of Hot Water

The Army uses millions of gallons of hot water daily, and in it the dishes are first washed. The temperature of the water is 135°. When rinsed the temperature of the water must be 180°. Hot water is one of the best guarantees against the spread of disease. The Army wants to forestall the possibility of another flu epidemic by killing off the germs with hot water. It is equally important in the barracks, for showers and lavatories. On the average, there is one lavatory for every eight men and one shower for every twelve. Plumbing might well be called a branch of preventative medicine.

Protection Against Disease

Good plumbing is protection against disease. Certainly materials are still available for repairs. Defective plumbing would jeopardize the health of the family; might be a hazard to the community. The government suggests that owners of homes or income property keep plumbing in good repair. Just call your plumber, and he will take care of you. He can install plumbing fixtures in a house to be used by a defense worker, repair your plumbing and that's the extent of what is being done for residential property in the city. There is an exception in favor of the farmer. He can have electric water systems and distribution lines to service buildings installed. They have a priority rating of A-3.

The Plumbers Job

"Right now," concluded Mr. Swinnerton, "The plumber's job is to help win the war—whether he's repairing water mains or sewers during an air raid, or out in the fields with a farmer, planning his water system, or making home repairs. His job is to keep every American a healthy American. It is a pleasure to be in Richmond, and to have this opportunity to tell Virginians of the activities of the master plumbers for their health defense."

Speak Up

"A bachelor has nobody to share his troubles."

"Why should a bachelor have any troubles?" asked the married man.

D I V O R C E S



● A Cincinnati man found another man's false teeth in his bath tub and believes he is entitled to a divorce.

● Gallop away on your white horse Lady Godiva—you are out. A San Francisco woman wants a divorce because hubby lifted her dripping wet from the bath tub, and placed her on the front porch, and locked her out.

● Divorce was granted a Hot Springs woman eight days after her marriage. Hubby borrowed \$500 to aid an injured brother. Next day, brother much worse, \$200. A little snooping revealed that the brother was hale and hearty. What became of the money is not shown, but—wine, woman and song, still reign, and race horses also.

● Action for Divorce:—Mamah vs. Mamah. A case of "Papa" being a "Mama." Then there was the case of Quick vs. Quick.

● A woman at Houston, Texas, got a divorce because her husband would not bathe regularly. "When I got after him," she testified, "he'd just go to the bath room and splash some water around on the floor."

● Pauline Evans Guillen told a Los Angeles judge that her husband snored so loud she had to close all the windows to keep neighbors from complaining. She got the divorce.

● Commonwealth vs. Killer was a case in a Philadelphia court. Found guilty.

■ ■ ■

She: "Why the toothbrush in your coat lapel?"

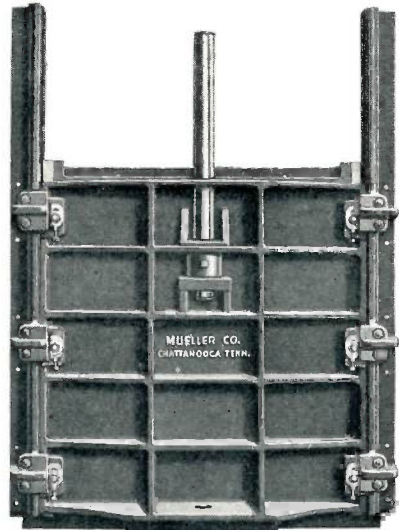
He: "It's my class pin—I go to Colgate."

■ ■ ■

"What is a budget?"

"Well, it is a method of worrying before you spend instead of afterward."

AT WASHINGTON .. AT CHICAGO AT DALLAS



... In many projects all over America, engineers (private and governmental) have specified MUELLER Water Controlling Equipment. No matter what the size of the plant—from the world's largest to the smallest—MUELLER builds equipment that meets the requirements of every engineer. Sluice gates open easily and close tightly. Gate valves operate instantly after years of idleness underground. Special metal formulae resist the chemical action of soils and waters. . . . MUELLER equipment is standardized to meet most requirements. Whatever your needs, let our engineers work with you. We can build it. Write Dept. W-19.

MUELLER CO.
CHATTANOOGA, TENN.

LET'S FACE THE DAWN !



Things do not look so bright these days. This nasty business of winning a war certainly changes things. Most peacetime business is gone. Many industries have converted to war work for the duration. Everyone of us has to do his share—fight in the armed forces, in the production lines, or in the purchase of War Bonds and Stamps. Those three arch-plotters—Hitler, Hirohito, and Mussolini—are not going to be crushed easily . . . Yes, things look black. But let's face the dawn! Wars always have ended, and the might of America

and her allies will end this one . . . And we of MUELLER aren't waiting for the end. Already we are looking ahead and planning for the future, seeking new ways of bettering our products. We intend to keep MUELLER PLUMBING GOODS at the head of the parade—as always! . . . And to you who use plumbing brass, we extend an invitation to send us suggestions as to how we can improve the MUELLER line and thus enable us to serve you better in the "tomorrow" that is to come . . . Write Dept. P-12.

MUELLER CO. ★★ DECATUR, ILL.



“ HOW WE SOLVED IT ”

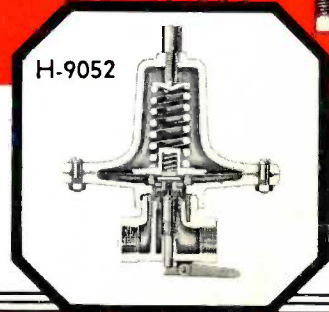
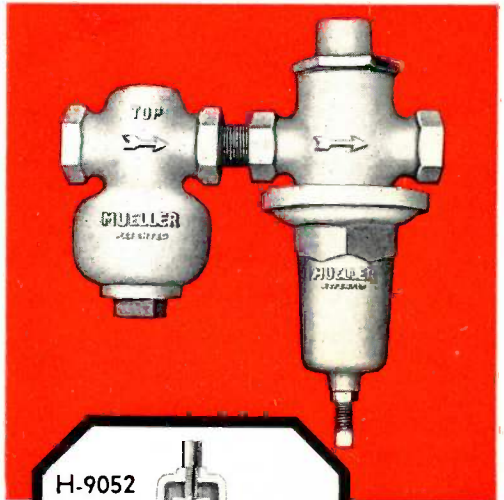
We were proud of our new house—all but the plumbing. The pipes knocked and banged. The faucets splashed water. The seat washers and packings leaked. The constant drip-drip at night annoyed us no end. And the water bill went up. —“I’ll tell that plumber a thing or two!” I told my wife. —And I did! . . . Then the plumber showed us the cause of the trouble. The water

pressure was too high. We needed a MUELLER Pressure Regulator. He had recommended one when we first built, but we wouldn’t listen and said, “No.” —We’ve spent more than the few dollars one cost on seat washers, headache tablets, and the damage to Aunt Emma’s dress, —not to mention the embarrassment when company came . . . But that is all over now. We put on a MUELLER Pressure Reducing and Regulating Valve right away. We’ve saved money, embarrassment, and worries.

This Valve Will Do It!

The large seat opening provides full volume of water at regulated pressure. The special composition diaphragm will withstand a pressure of 800 lbs. per sq. in., assuring long life. The seat disc is unaffected by hot water. All working parts subject to wear can be replaced with the regulator in the line. Accurately set and fully tested before shipping.

On installations where water is heated, if a regulator is installed in the line, a relief valve should be placed between the regulator and the hot water tank since a regulator acts as a check valve. Only MUELLER has the EXCLUSIVE Auxiliary Spring Seating Principle. This provides instant relief from excessive pressures, positive closing without dripping, and prevents imbedded discs.



ORDER TODAY — DEPT. G-15