

MUELLER RECORD

PUBLISHED AT DECATUR, ILLINOIS



TRAILS—MISSISSIPPI PALISADES

MARCH, 1941

MUELLER

*The Machine That
Answers All Your
Tapping Problems*

QUICKLY - EASILY - SATISFACTORILY



"B" Tapping Machine

MUELLER SERVICE CONNECTIONS INSURE TIGHT JOINTS

We are not alarmists — we are not trying to "scare" you — but we know market conditions, which this early POINT TO NOT ONLY A HEAVY, BUT AN URGENT DEMAND FOR BRASS GOODS. It's good business to get your orders in early.

The popularity of the Mueller Tapping Machine — used in 95 per cent of water works — is the strongest testimonial that can be given. Hundreds of these machines are still on the job after 50 or 60 years. Another convincing testimonial.

We suggest that you send in your "old timer" for an overhauling or liberal allowance on a new machine with refinements that have been added.

Naturally a new machine — like a new car — will work easier, faster, and better than an old one.

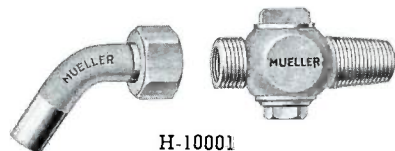
The expense to you will be trifling because the selling price of a new machine is so low that it calls for a small investment, after allowance is made for your old machine.

It is to your interest to think of this NOW, with SPRING WORK, and lots of it, just around the corner.

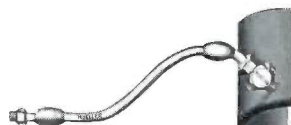
Write us today for full and definite information.



H-15000



H-10001



H-10151

1857

MUELLER CO. Decatur, Ill.

DEPENDABLE SERVICE ALWAYS

1941

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Vol. XXX

MARCH, 1941

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SHIPS AND PLANES

War is a complex game, involving numerous complications, either in getting ready under peaceful conditions, or on the battlefield. In either instance a trivial incident may upset carefully studied and planned method of procedure. To accomplish a desired plan everything must click in dependable regularity. Any hesitancy causing a slight delay breaks up the whole line of action and upsets all the carefully planned preliminary preparations.

In the matter of our present defense preparations there are two surprising elements. One is the rapidity with which large bulks of goods are turned out and delivered. That is accounted for by the fact that the engineer's plans moved according to schedule. There was no break in the line at any point. Everything clicked on time.

On the other hand impatience is aroused by the great length of time required to produce an order. For this there can be many reasons. The number of individual industries involved in the production of certain units must coordinate without friction or delay. A battleship or an airship cannot be built within a few days, because of materials necessary to the whole. This complexity of interests is perhaps best illustrated in the airplane business.

A dependable authority states that building a plane often involves as many as 213 contractors, which indicates that there are that many chances of some one failing to toe the mark on time with the result that ultimate completion of the plane is delayed to the extent of one sub-contractor's inability or failure to keep step with the schedule.

■ ■ ■

Our country's welfare is our first concern, and he that promotes that best, best proves his duty.—Havard.

GOD SAVE THE FLAG

Oliver Wendell Holmes



Washed in the blood of the
brave and the blooming,
Snatched from the altars of
insolent foes,

Burning with star-fires, but
never consuming,

Flash its broad ribbons of lily and rose.

Vainly the prophets of Baal would rend it,
Vainly his worshippers pray for its fall;
Thousands have died for it, millions defend
it,

Emblem of justice and mercy to all.

Justice that reddens the sky with her ter-
rors,

Mercy that comes with her white-handed
train,

Soothing all passions, redeeming all errors,
Sheathing the sabre and breaking the
chain.

Borne on the deluge of old usurpations,
Drifted our Ark o'er the desolate seas,
Bearing the rainbow of hope to the nations,
Torn from the storm-cloud and flung to
the breeze!

God bless the Flag and its loyal defenders,
While its broad folds o'er the battlefield
wave,

Till the dim star-wreath rekindle its splen-
dors,

Washed from its stains in the blood of
the brave!

■ ■ ■

Five great enemies to peace inhabit with
us, viz.; Avarice, ambition, envy, anger, and
pride, and if these were to be vanished, we
should infallibly enjoy perpetual peace.

—Petrarch.

THE MUELLER RECORD

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

C. N. WAGENSELLER, EDITOR

GOVERNOR'S "WAGES"

Salaries From \$3000 In S. Dakota To \$25,000 In New York

Do you remember away back in your "Tom Sawyer" and "Huckleberry Finn" reading days when the question of being a king was under discussion. Some one of that lovable bunch of "River rats" asked "Huck" how he would like to be a king. Huck displayed unlooked for business sagacity with his answer, "How much does a king git."

Huck was not so obtuse after all. He did not want to commit himself until he knew the rate per hour and possibly whether it was a union or non-union job.

Post Election Question

After elections there is always a flood of questions as to "how much does he get," referring to some of the higher up officials such as governors. It's no reflection that information of this character is not retained. We rather suspect that the radio quizzers could stump many educated persons by some very simple questions like the following.

Ask the victim on "the rack" to begin alphabetically and think of the states from Alabama to Wisconsin, naming their capitals. The person on the grill would quite likely "sweat blood" and loose out.

Since the election the question of the salaries paid governors of various states has been asked. The amount varies from \$3,000 in South Dakota to \$25,000 in New York.

"Ten High" Governors

No hidden meaning in that "Ten High" subhead. Here's the list:

New York	\$25,000
New Jersey	20,000
Pennsylvania	18,000
Illinois	12,000
Texas	12,000
California	10,000
Massachusetts	10,000
Ohio	10,000
Virginia	10,000

The Lower Brackets

States paying \$8,000 annually are: Indiana, Rhode Island, West Virginia.

States paying \$7,000 annually are: Minnesota, Nevada.

States paying \$7,500 annually are: Arizona, Delaware, Florida, Georgia, Iowa, Louisiana, Mississippi, Montana, Nebraska, Oregon, South Carolina.

States paying \$6,500 annually are: Kentucky, Oklahoma, Wyoming.

States paying \$6,000 annually are: Alabama, Arkansas, Utah, Wisconsin.

States paying \$5,000 annually are: Colorado, Idaho, Kansas.

States paying \$4,500 annually are: Maryland.

States paying \$4,000 annually are: North Dakota, Tennessee, Vermont.

States paying \$3,000 annually are: South Dakota.

TWELVE STATES SAID NO

Refused The Communist Party Place On National Ticket

In the last presidential election twelve states barred the communist party from representation on the ballot, five of them on the grounds that the communist favors the overthrow of our form of government.

The twelve states were:

Arizona	New York
Arkansas	Ohio
Georgia	Tennessee
Illinois	Washington
Kansas	West Virginia
Kentucky	Wisconsin

Wisconsin refused a place on the ticket because the party had not polled sufficient votes in prior elections. Four candidates were permitted to run as independents.

The states basing their claim on the grounds that the party desired to overthrow the government were Arizona, Arkansas, Georgia, Tennessee, and Washington. California will be in line next time. A law becomes effective this year.

New York excluded the party on the ground that signatures to the petition were obtained by fraud.

Helper

"You say you were a helper on the railroad. What kind of a helper?"

"You know that guy who taps the rails with a hammer when the train comes in?"

"Yep."

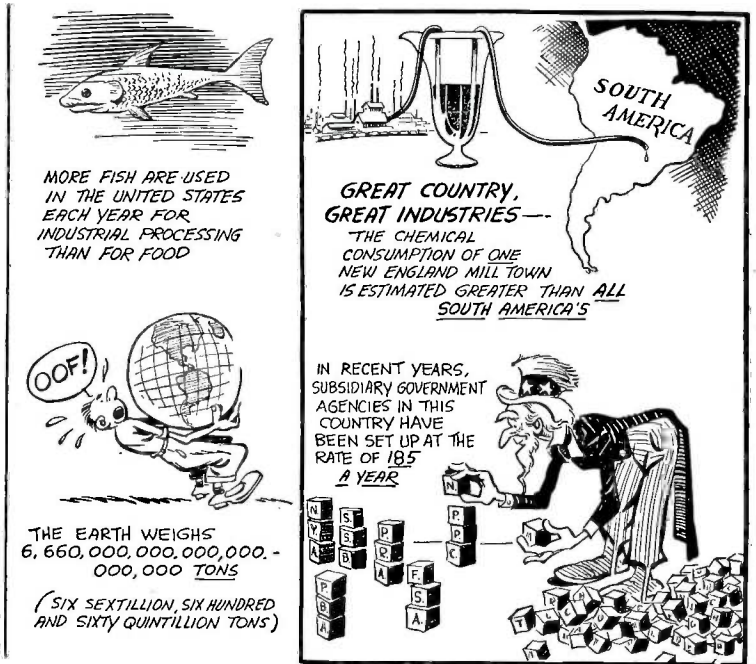
"I used to help him listen."

Mistakes Will Happen

Well dressed man, cigar in hand, falling through the air from an airplane:

"Gad! That wasn't the wash room after all."

A Quartette of Queer Things



We make no comment on these illustrations except in the case of the world's weight. We have always known it was heavy, not from weighing it, or by any one filling us full of bullet-like ciphers, but by observing that the class of people who carry the weight of the world on their shoulders. You've seen them. Persons with drawn, wan, doleful faces, lackluster eyes, stooping shoulders, sorrowful glances, and moaning in almost a wailing tone of voice, the latter generally used in making dire prophecies.

Now that we know what the world weighs we can sympathize with those who carry it on their shoulders and shall no longer laugh or gibe at them.

Good Catcher Wouldn't Try It

The gentleman in the illustration has not got the weight on his shoulders but he's got it in the bread basket. Serves him right. The idea of trying to catch it without mask, chest protector, glove, or shin-pads. Ernie Lombardie would not do that, neither would Gabby Hartnett, or Jimmy Wilson. They have had too much trouble with catching and holding a little globe nine inches in circumference and weighing about five ounces, which gives them plenty of trouble in one small hour and forty-five minutes.

Stopping anything as heavy as the world's accredit weight (we refuse to copy the figures—too many possibilities of typographical errors) is just sheer nonsense.

We wish to compliment the author who gave us the figures, and also for telling us typographically what they are and what they mean. The explanation is just as enlightening as the figures, but still leaves us in the dark.

Possible Explanation

After all we can explain it to the reader, or at least give our solution—the information must have been typewritten by that young lady who sent out a government check for \$1,000,015.25 in payment of a bill of \$15.25 owed to a cranberry merchant.

How'd you like to be the cranberry merchant?

Our Consolation

We have our own consolation when we butt into a grand parade of goose-eggs with a dollar sign at the head as drum-major—and that is that we have become pretty well acquainted with them in recent years.

With justifiable swelling of our narrow chest we point with pride to the fact that we now are educated up to billions—and there's hope for further progress.

March Gives Five Great Men...

March gave to the world some great men, who left an unfading record of genius and statesmanship on history. Perhaps none excelled or exceeded Alexander Graham Bell. His discovery of the electrical transmission of the human voice, was first looked upon as wonderful, with little understanding of its future effect upon civilization, commerce, law, and order, in fact every phase of life. Today's complex modern life find it among indispensable necessities. Alexander Graham Bell was born in Edinburgh, March, 1847, and followed his father's profession as a teacher of "visible speech" which was successfully used in teaching deaf-mutes. He came with his family to Canada in 1870 and died at Baddeck, Nova Scotia, August 1, 1922. He was professor of vocal physiology at Boston University, 1872. At the Centennial Exposition, Philadelphia, he made the first public showing of his telephone, upon which he had labored persistently for four years.

A company was formed and the development of the instrument followed rapidly. In his early experiments Bell succeeded in producing an instrument which transmitted a few isolated words.

First Complete Message

Seated before his desk with a new type of phone connected to a receiver in another room, at which his assistant Thomas A. Watson was listening, Bell accidentally overturned a battery of acid. He called out: "Mr. Watson, come here, I want you." Watson rushed in shouting that he caught Bell's words over the wire. It was the first complete sentence by telephone, and the birth of the instrument now so useful in the home and in business, and so familiar that little more attention is paid to it than the commonest of our daily conveniences.

Presidents Born In March

March gives us three presidents, first of these, the rugged Andrew Jackson, born on the 15th, 1767. His birthplace is generally believed to have been in Union county, North Carolina, but he always believed himself a native of South Carolina. He was a posthumous child and his early life was a constant struggle with poverty and hardship. He worked as a saddler, indulged in horse racing and gambling. He swore fluently, vehemently and explosively, which left no doubt as to his meaning.

Duelling

Chivalrous, and with a high sense of honor he never side stepped a duel, and in one of these affairs killed his opponent, Charles Dickenson, who had made a rash reference to Jackson's marriage. This wedding occurred in 1790, the bride was Mrs. Rachel Robards. Both believed she had been legally divorced from Lewis Robards. However, the decree was not legally recorded and the marriage ceremony was repeated in 1794. With only a limited education Jackson studied law, was admitted to the bar, immediately became public prosecutor of Eastern Tennessee and part of North Carolina. His natural talents kept him in the foreground. He was a member of Tennessee's first constitutional convention, the state's first representative in congress, then a member of the United States senate in 1798-1804. Later he became Justice of Supreme Court of Tennessee and then for nine years engaged in trade and planting, still horse-racing, and duelling.

National Hero

The battle of New Orleans in the war of 1812 made him a popular national hero. He was made a major general in the United States army, and with true Jackson impetuosity did not wait for orders but on his own responsibility seized Pensacola, Fla., whose Spanish commanding officer befriended and helped the English. He was the first governor of Florida and again a United States senator, 1823-25. In 1824 a candidate for president, he received the popular vote but not the electoral vote. The election went to the house, which chose John Quincy Adams. In the following election he was chosen president by an overwhelming majority of the popular and electoral vote. In 1831 he was again elected. As president, he was still the aggressive, independent Jackson. The term "kitchen cabinet"—a coterie of advisors outside the official cabinet is accredited to his term and time. It was a period of personal politics, and "to the victor belonged the spoils." It also marked the division of the Democratic-Republican party and two new parties arose, the followers of Jackson, or democrats, and the National Republicans, who with the Anti-Jackson elements constituted the Whig party. Regardless of his high powered, high strung personality, Jackson retired to "The Hermitage" and continued to exert a great influence in state, national, and social affairs. His remains

❖ ❖ THEY ALL LIKE THE RECORD ❖ ❖



Courtesy of Prior Chemical Corporation

"Would anybody like to borrow my glasses?"

rest on the grounds of that national shrine, and close by are those of his faithful colored body servant.

James Madison, the fourth president, born at midnight March 16, 1751, at Port Conway, King George county, Va. He was, it seems, a great constructive statesman, more than a politician and leader. His father was the largest land holder in Orange county, Vermont. Madison was an ardent patriot in the revolution but impaired health prevented active service in the army. As a delegate to the Virginia convention in 1776 he was one of a committee of 32 which presented to the convention the Declaration of Rights drawn up by George Mason. In it Mason provided that "all men should enjoy the fullest toleration in the exercise of religion." Madison's amendment was that "all men are equally entitled to the full and free exercise of it according to the dictates of conscience." The convention adopted a compromise. Later the Virginia legislature proposed a tax to support teachers of the Christian religion, but Madison, ten years later, succeeded in securing passage of a law which assured complete religious liberty. One of Madison's great contributions to the welfare and prosperity of the United States was its right to free navigation of the Mississippi from source to mouth. John Jay, secretary of foreign affairs, sought to complete a treaty with Spain, whereby the river was to be closed to Americans for 25 or 30 years. Madison, still a member of the Virginia assembly, protested so vigorously that it was defeated. A few

years later a secret treaty between Spain and France was signed and the Spanish withdrew the right to America to deposit goods at the port of New Orleans. Madison did not learn of this until he became secretary of state in Jefferson's cabinet. War seemed imminent but unsettled European politics led Napoleon to offer Louisiana to the United States and Madison promptly approved. This fact, historians say, became possible because of Madison's stand 20 years before. He was outstanding as a congressman and as secretary of state. Elected to the presidency in 1809, war soon followed with England. Again the historians tell us that Madison had neither the personal force nor experience to lead a nation in arms, and his administration in a military sense was a failure.

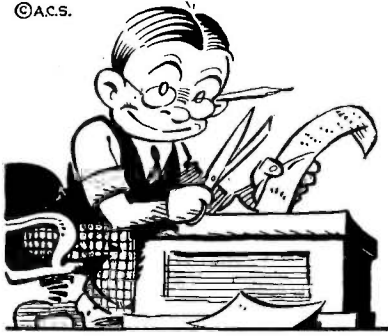
His enduring fame was not won as secretary of state or as president, but in the earlier period when he demonstrated qualities of constructive leadership of the highest order.

Christened Stephen Grover Cleveland, but known as Grover Cleveland, was the twentieth and twenty-fourth president of the United States. He was born in Caldwell, Essex county, New Jersey, March 18, 1837, but settled in New York in 1841. He was a man of strong character and marked independence. In fact he was a hard nut to crack by republicans and democrats as well. His father was a Presbyterian minister. Cleveland was the first democrat elected since 1860. He had a turbulent time, and faced some great problems, but

(Continued on page 22)

I'M TELLIN' YOU

©A.C.S.



● A fashion note advises that 65% of women take more than a 45 bust size. Lot of round figures.

● Pop-Eyes attention — Spinach shortage predicted because of the war. Imports of seeds cut off.

● Kissing an Eskimo woman is said to be a great insult — and in our opinion must require a strong and dependable stomach.

● Muscles in the human body number about 520, and One Eyed Connolly uses all of them when he crashes a gate.

● Grab handkerchiefs. Stop the wild rush of sneezed germs which travel at the rate of 100 miles per hour. There "orter" be a law against these speed demons.

● Kiss and make up is suggested to quarreling and jealous actors in Hollywood. That's all they did, so far as we could tell, in the last movie we saw.

● It is reported a Los Angeles dentist broke a patient's leg while pulling a tooth. Probably wanted to distract attention from the operation in hand.

● With hold outs for more pay and "hold outs" for military service, it looks like the big leagues may revert to the sandlots for players. Might be for the best at that. The "sandlot" has produced many notable stars.

● In Scotland, if the first person to cross the threshold of a Scottish household on New Years Day is dark, it means a year of good fortune. Blondes are unlucky, still gentlemen prefer them.

● Had Shakespeare been called upon to describe a bow-legged man, he probably

would have done so thus: "Behold! What is this I see, his majesty walking in parenthesis?"

● If the thousands of things happen to the United States which thousands of guessers, prognosticators, and alarmists warn us of, it's going to be a rag-tag and bob-tail nation before we get through.

● There are plenty of English words with which to express our thoughts, but just now the Latin phrase—*Ducit amor patriae*—the love of country guides—seems very appropriate.

● It's a pleasing thought to project in this column that the inauguration of President Roosevelt was accomplished without a hitch and neither the president nor the chief justice needed a prompter. Practice makes perfect.

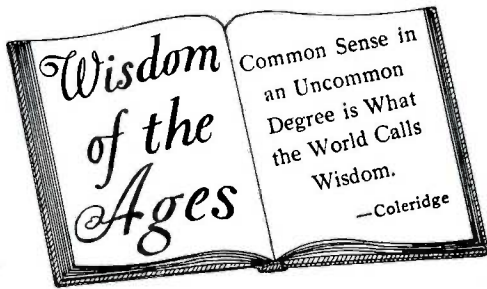
● A new automobile gadget is a rubber pouch with suction base to hold it to the windshield. It holds quarters, half dollars, dimes, nickels, and pennies. Very convenient for small purchases. The trick about it is to get the coins with which to fill it or to keep it loaded.

● We observe with regret the ungracious and inconsiderate attitude on the part of so many persons who seemingly lack all knowledge of the fundamentals of ordinary politeness. This convinces us that what this country needs in the first line of defense is a few regiments of Emily Posts called to the colors.

● Sixteen policemen, Columbia, S. C., went down with the flu in one day but only one of 136 prisoners in the jail got it. There's something in scripture about tempering the wind to the shorn lamb. We think it was iams. We are certain it wasn't "bulls", or so many of them wouldn't have caught the flu.

● "Drafted" is defined in Webster as "Selecting or detaching of men from the people at large or any portion of them, for compulsory service as soldiers or sailors." The newspapers have transmogrified the word to "draftee." The army officers don't approve of this and their transmogrification makes drafted men "selectees." Wonder whose right? Our penny is on Webster.

(Continued on Page 9)



Herrick:—

Know when to speak, for many times
it brings danger to give the best ad-
vice to kings.

It is always in season for old men
to learn.

Shakespeare:—

For youth no less becomes
The light and careless livery that it
wears,
Than settled age his sables, and his
weeds

Importing health and gravness.

A man's years are not to be counted
until he has nothing else to count.

Goldsmith:—

How blest is he who crowns, in shades
like these,

A youth of labor with an age of ease.

Provident in youth brings rest and
plenty in old age.

Greville:—

Some characters are like some bodies
in chemistry — very good, perhaps, in
themselves, yet fly off, and refuse the
least conjunction with each other.

Samples of sour-puss.

Pope:—

Damn with faint praise, assent with
civil leer,

And without sneering, teach the rest
to sneer;

Willing to wound, and yet afraid to
strike,

Just hint a fault, and hesitate dislike,
Alike reserved.

Moral cowards with mean minds.

Shirley:—

Read and fear not thine own under-
standing. When thou consider thy
purchase of a good book, thou wilt
call the price of it a charity to thyself.

And charity begins at home.

Pope:—

And hence one master passion in the
breast, like Aaron's Serpent, swallows
up the rest.

Take heed lest passion sway thy
judgment.

LaRouche-foucauld:—

Ability wins us the esteem of the true
men; luck that of the people.

Ability always wins what is worth
winning.

Horace:—

Consider well what your strength is

equal to, and what exceeds your abil-
ity.

Don't o'er leap yourself.

Rowe:—

The joys of meeting pay the pangs of
absence, else who could bear it.

Some days of joy come to all.

Holmes:—

Run, if you like, but try to keep your
breath; work like a man, but don't be
worked to death.

Don't work too hard.

Scott:—

Despite those titles, power and pelf,
The wretch concentr'd all in self,
Living, shall forfeit fair renown,
And, doubly dying, shall go down
To the vile dust from whence he
sprung,

Unwept, unhonour'd and unsung.

Fate of the self-opinionated ass.

Voltaire:—

Common sense is not so common.

We'll tell the world.

Shakespeare:—

Trust none

For oaths are straws, men's faith are
wafer cakes,

And hold-fast is the only dog.

Put your coin on the dog.

Young:

Horace appears in good humor when
he censures, and therefore his censure
has the more weight as supposed to
proceed from judgment, not from pas-
sion.

Speak softly but carry a big stick.

Chapman:—

Who 'scapes the snare

One, has a certain caution to beware.

Once is enough.

Shakespeare:—

God befriend us as our cause is just.

Thrice is he arm'd that hath his
quarrel just.

Voltaire:—

Providence has given us hope and sleep,
as a compensation for many cares of
life.

Away, you rogue, away! I'm sleepy.

Seneca:—

Some men, like pictures, are fitter for
a corner than a full light.

The less you see of them the better
they look.

Chesterfield:—

When upon trial a man calls witnesses
to his character, and those witnesses
only say that they never heard, or do
not know anything ill of him, it inti-
mates at best, a neutral and insignifi-
cant character.

Lacking back bone, force or courage.

Cowper:—

Did charity prevail, the press would
prove

A vehicle of virtue, trust and love.

It never will.

ONE OF THE BIGGEST

Rollerdrome In New York Becomes One of Largest Gas Consumers

The popularity of roller skating is increasing. Here is a sport which at one time was considered an indoor winter attraction. Now, in many cities, including Decatur, it's good for all the year around. Greater New York is going into it in a big way. The Rollerdrome, under construction on Empire Boulevard, will have 50,000 square feet of inside area, accommodating 3,000 skaters at one time. Mr. Fred Neuls, commercial sales manager of the Brooklyn Union Gas Company, has announced that the Rollerdrome will be heated exclusively by gas. It will be one of the largest commercial heating jobs anywhere in the country. The added gas load is estimated at 4,150,000 cubic feet.

The date and place of the annual meeting of the American Gas Association will be Atlantic City the week of October 20, 1941. The announcement has already been made by President T. J. Strickler, of Kansas City. The gas men like this seaside resort for conventions. Crowds of sightseers are not large in October—there are plenty of good hotels and the big auditorium takes care of all indoor needs.

The dependable American Gas Association Monthly prints a story to this effect. Citing back to 1858 the Washington Gas Light Company issued a circular to consumers on the subject of wet meters, the notice stating that the cheapest way to prevent the wet meter from freezing "is to fill it with whiskey; and it is earnestly recommended that this be done by every consumer." The company offered to do the filling free of charge if the consumer supplied the whiskey. A table showed the amount of liquor for the first filling, ranging from 1½ to 30 gallons.

The Association of Gas Appliances and Equipment Manufacturers meet in Los Angeles at the Ambassador Hotel, June 3, 4 and 5. According to announcement recently made by President W. E. Derwent. It will be the first time this association has held its convention on the west coast.

Two young brothers were arguing. Said the elder, to clinch what he had been saying: "I ought to know; don't I go to school, stupid?"

"Yes," replied the other, "and you come home the same way."

FINE RECORD FOR K. C.

Only 22 Automobile Fatalities In Big City In 1940

There are some things about Kansas City, which may be a stumbling block to unanimity of opinion of the city's right to wings and a harp. On the other hand there are some things to which every resident may point with pride and pour buckets full of praise on the city. One of these we have in mind after reading an article on Kansas City's traffic regulation, by Virginia Irwin, in a recent issue of the St. Louis Post Dispatch. Last year Kansas City had only 22 auto fatalities, while St. Louis had 108, a 24 per cent increase over the preceding year, while Kansas City had a decrease of 31 per cent.

The Three "E's"

One of the convincing statements by the author of the article is that the proof of accident prevention is in the three "E's"—Education, Engineering, and Enforcement." Since 1933 Kansas City has been working on and developing safety plans. They have succeeded in this by education of a traffic department, always alert and on the job. Special squads have special duties, as well as unified duties. The night speed, throughout the city, is 25 miles per hour and the same in daylight, except on through streets, which are plainly marked.

Careless Pedestrians

Pedestrian education is one of Kansas City's plans. The extent to which this is carried out is shown by one small excerpt from Miss Irwin's article. Riding with an officer the driver saw a man endeavoring to cross a street against the red light. Picking up his microphone, he called pleasantly:

The Elderly Man Stopped

"Will the elderly gentleman in the gray hat wait for the green light and cooperate with the police department in obeying the traffic laws." The elderly gentleman smiled and stepped back to the curb, but the officer continued: "And by the way, my friend, the sidewalk is the safest place on which to wait."

Golden grains of good advice.

And let that be a lesson to all impatient pedestrians, who may chance to read this.

Alice: "Gee there's a man in the circus who jumps on a horse's back, slips underneath, catches hold of its tail, and finishes up on the horse's neck."

Dorothy: "That's easy. I did all that the first time I rode a horse."

Always Something New

(January Nation's Business)

Glass building blocks with a screen of glass fiber in the center which cuts down solar energy, transmitting only a soft diffused light.

For increasing thread area in sheet metal there is a square clinch-on nut which is cold drawn and held to close tolerance yet at low cost.

A cleaning material specifically intended to remove yellow streaks from bath tubs and sinks, also stains from enameled surfaces and tiles.

A new radio for home, office, or vacation trips. It includes phonograph and recorder. Easily carried in case, weighs less than 20 pounds and is low priced.

Coin holder for automobilists. Held to windshield by suction cup and holds half dollars, quarters, dimes, and nickels. Convenient for small expenditures.

An asphalt tile which is grease proof and alkali resistant is announced in 21 colors. Suitable as a resilient flooring where there is spillage of oils, fats, or greases.

Phosphorated oils now available are useful mulsifying agents, dispersants and wetting agents. They are said to be superior to sulphonated oils in many cases.

A soda water fountain draft arm makes possible drinks carbonated approximately 30 per cent higher than formerly or equivalent in this respect to bottled beverages.

A new incinerator for the home, does not require fuel, but after lighting with waste paper has a down draft which dries other refuse and burns either wet or dry waste.

Flourescent lamps are available in six watt, nine inch size and in a 100 watt 60 inch size. The small pencil sized lamps suitable for many places unfitted to use of larger lamps.

Tubing for electrical insulation, varnished inside and out, gives superior moisture resistance and aging properties. Slips easily

over wires, has a smooth inside surface and withstands heat up to 425 degrees fahrenheit.

A new adding-figuring machine gives group totals and grand totals simultaneously. Amounts recorded enter each of two registers automatically although items may be subtracted as well as added in either register.

A new portable hoist, capacity 4½ tons, yet sufficiently light to be easily portable. Operated by ratchet handle, works equally well vertically or horizontally as a puller. Safety hooks opening slowly under overload, prevent damage.

A new ventilating device for brick foundations or places requiring a small amount of light and ventilation. It is a cast block of semi-steel with fixed louvers to deflect weather and a screen to exclude insects. It is one brick wide and four bricks high and is mortared in with the brick work.

■ ■ ■ I'M TELLIN' YOU

(Continued from Page 6)

● One little space can make an editor look and feel as simple and senseless as a clown, as illustrated by one little space in the account of the inauguration of Governor Green of Illinois. The telegraph account said: "Governor Stelle wore a four-in-hand, Governor-elect Green preferred 'a scottie'. The keen-witted telegraph editor finally figured out the misplaced space, and transferred it from between "a" and "s" to between the two "t's", and thereby put the governor-elect correctly dressed in wearing an "ascot tie." Dog gone good editing.

■ ■ ■ EXPORT SLOT MACHINES

American slot machines are slopping over into foreign countries. Last year's exports increased 64 per cent. The increase in these devices has placed a heavy burden on the mints which have worries in trying to keep up with the demand for small coins. The Department of Commerce does not indicate the character of the machines exported. They may be pin-ball devices or the noisy juke boxes. Hope they are the latter.

■ ■ ■
Visitor: "Is this a good farming country?"
Farmer Fuddlemuch: "Why mister, this land grows potatoes so big that it only takes six to make a dozen."

Work rids us of three great evils—irk-someness, vice and poverty.

MATERNITY WARD

❖ Twins, Trips & Quads ❖

We are fully conscious of the fact that in presenting this subject, it might properly be left to a medical magazine, but all the world loves babies. The Dionne quintet proves that. Born May 26, 1934, they are still the world's wonder, have furnished more copy, more pictures, and more interest than almost any other news subject. It has cost \$26,000 per year to rear them, and the administrator of the estate estimates their wealth at \$750,000 in 1940. Then there is another justification for discussing the subject—the necessity of keeping population on an even keel by having more births per annum than deaths.

Betting Odds

We are hopeful that this article will have no deterrent effect on young couples contemplating matrimony. For their information authoritative sources say that betting odds against the birth of quadruplets are better than 600,000 to 1. This authority is the United States Census Bureau. The statement is based on 44,000,000 births between 1915 and 1938. In that period quadruplets were born in only 72 cases, triplets in 5005 cases and twins in 500,175 times. This announcement was made by the Bureau recently.

Record Broken

The case that most interested physicians was that of twins, boy and girl, born to Mrs. Homer Paris near Louisville, Ky. This mother weighed 160 pounds and is 35 years old. The twins were delivered in separate sacs which makes them separate twins. The attending physician said that in 34 years practice and reading he had never heard or read of a like incident. They weighed 11 pounds each. This weight, according to a Louisville obstetrician, exceeds any authenticated case in medical history. The mother and the "heavy weight" twins are getting along fine.

A German woman is reported to have given birth to twins weighing 24 pounds but this figure has never been substantiated.

Not Far Behind

Another demonstration that this is a twin "heavy weight" year. Mrs. William B. Erwin of Flora, Illinois, joins the charmed circle, the boy weighed 10 pounds and the girl 9½ pounds.

Sort of Zoological

The following from Santa Ana, Calif.,

made us scratch our head and ponder whether it should be assigned to the "Animals in the News" column or included in the "Maternity Ward" column. We decided on the latter.

A son was born to Mr. and Mrs. Howard Bear.

Mrs. Rabbit presented husband Murray L., with a boy.

A daughter was born to Mr. and Mrs. Donald Duck.

Nurse Opal Wolfe was assigned to these cases.

Turnipseed

Mr. and Mrs. Max Turnipseed, Oakland, Illinois, had a son born to them. We hope the little Turnipseed will develop in proportion to his namesake, which, as you know, grow to considerable size.

Order Promptly Filled

When Mrs. King, Bethany, Mo., presented her husband, Raymond, with a daughter he was disappointed because he wanted a son. "Okay," said the doctor, "I'll be back in an hour and bring you one." The doctor kept his word when the somewhat delayed twin proved to be a boy.

On The Wing

The stork flew with a Santa Fe train from Chicago to Romeo, Illinois, near Joliet, and there the train made an unscheduled stop, while Mrs. Irene Bartell, aged 19, Wacko, Calif., showed signs of the blessed event. Trainman wired St. Luke's Hospital, Chicago, to have a doctor at the Dearborn station. Everything clicked perfectly. A few minutes after reaching the hospital the doctor announced to the nurse—"it's a boy, 6 pounds and 4 ounces."

And Speaking of Twins

The near largest known at birth are those born to Mr. and Mrs. Russell House, Springfield, Mo., David, who led the procession weighed 9½ pounds and was 21 inches long, with Dennis, bringing up the rear weighing 9¼ pounds and was 20¾ inches long. Either is bigger than all five Dionnes combined. Medical textbooks say the heaviest twins recorded weighed 20 pounds.

'Arf and 'Arf

Herbert Strong and wife, Negroes, black as the ace of spades, live in Hookerton, N. C., are the parents of recent twins, boy and girl—the former an Albino and the latter as dark as her parents. Albinos are not so rare, but there are few instances such as recorded here.

(Continued on Page 21)

MATCHES—"GIMME ONE"

Early Type Required Round-About Way To Light



The gentleman in the cartoon is lighting his cigar with a match as matches were used when first invented. They seem to be based on the principle of the pocket cigarette lighter of today, in that one had to go through a great many motions to accomplish the desired result. The history of the match is interesting. Prior to its invention, primary artificial fire was obtained through the medium of a tinder box and a flint and steel. The tinder box contained a highly inflammable material, and getting a light was a matter of a good many motions, mixed with patience.

An Early Type

One of the earliest types of matches was the oxymuriate invented by Chancel in 1805. It consisted of a small stick tipped with a mixture containing potassium chlorate and sugar. To secure a light the tipped end was touched upon concentrated sulphuric acid carried separately in a bottle and soaked up in asbestos. These matches began to displace the tinder box about 1820 and were later replaced by the friction match, essentially similar to that of present day.

Accessory For Lighting

A phosphorous friction match was made in Paris in 1816 but the first practical match of this type was invented by John Walker, an Englishman, in 1827. It consisted of a stick of wood dipped in a dry mixture of potassium chlorate and antimony sulphide made up with gum water, but it required an accessory to produce a light. This was accomplished by drawing it through a piece of folded glass paper.

First In U. S.

The first successful practical phosphorous matches appeared between 1830 and 1835, and the first patent for the invention of phosphorous friction matches in the United States was granted in 1836 to A. D. Phillips.

Modern matches are made principally of aspen or white pine. The manufacturing process is quite intricate and is nearly all done by machinery. Even to the boxing and labeling, the first of these operations is followed automatically.

Safety Match Popular

The match business has passed through many stages and there are many different types. Among these is the safety match which, because of this safety provision, has made it very popular. It is necessary to strike it on the substance on the side of the box to secure a light.

Vestas, or wax matches, have stearin tapers instead of wooden splints. They require a more inflammable igniting paste than wooden matches as they must fire with slighter friction by reason of their more fragile stems.

The Advertising Type

The type known as "book matches" is more easily recognized by the public as advertising matches. They are of the safety type, and are the basis of great popularity with smokers as they fit neatly in the vest pocket, and are given away free by the hundreds of thousands every day.

Gimme A Match

As many kinds of matches as there are, as cheap as they are, and as free as they are in drug stores, taverns, on railroad trains, in fact in nearly all lines of business, someone is always saying to you—"Gimme a match."

In its different phases match manufacturing has become a big industry and a most important one at that. In fact it is indispensable in this world of ours today.

■ ■ ■

DEATH OF W. F. BARRY

We are in receipt of a clipping from the Elizabeth, N. J. Journal of January 24, which gives us the unwelcome news of the death of William F. Barry, who was in the postal service for 36 years. He was, at the time of his death, secretary and treasurer of the Elizabethtown Water Company, since 1927. His death was preceded by a brief illness, due to heart attack and acute indigestion. His long connection with the postal service and the water department gave him acquaintance and large circle of friends in the postal service and the water works industry.

■ ■ ■

DIAGNOSIS CORRECT

Bingo: "You are my Cherub."

Mrs. B.: "Why your Cherub?"

Bingo: "It's like this, you never seem to have any clothes, you're always up in the air, and you keep harping."

■ ■ ■

Most men who brag about being boss of their home will brag about other things too.

THIRTY FIVE YEARS

Scotland G. Highland's Long Service At Clarksburg, W. Va.

Scotland G. Highland on February 1 completed 35 years of service with the Clarksburg, West Virginia, water department. In that period he has been secretary, general manager, and senior engineer, which is a record worth mentioning. And better still, he is on the job now devising and assisting in plans for the betterment of the plant.

Had Part In Great Development

His connection with the plant began in 1906, when the water works system had a value of \$50,000. The development and growth during the thirty-five years is emphatically proved by the present day valuation of \$2,500,000.

Still Planning

However, there are still things to be done. The water board and Mr. Highland are urging that Clarksburg's supply be further improved by development of storage of 25 billion gallons in the West Fork basin, through action by the Federal Government. The present supply is taken from the West Fork River.

In the May, 1939 issue of Mueller Record, we published an article concerning the Clarksburg plant, which through an addition to the filter plant increased the supply to 3,000,000 gallons daily, and installed a 4,000,000 daily water softening plant. The cost of these improvements was \$93,000. The softening plant was one of great need. The water supply had always been of a high degree of hardness during the low water period each year. The peak of the hardness was in 1930, when it was given by the Federal Government as 392 parts per million. It was said then that the degree of hardness would never again be over 85 parts per million.

Important Asset

In so far as we know, this claim still holds. A good water works under modern methods and intelligent management are the greatest asset of any city. Water and plenty of it makes a city a desirable place of residence. Clarksburg proves it. In 1930 the population was 28,866. In 1940 it was 30,543, while the population served by the Water Board's plant and system exceeds 35,000 people.

■ ■ ■

A light diet usually forms the basis of weighty conversations among women.

"Ads," Signs, Names

In Los Angeles, Reva Elayne Yowell Smith was granted a divorce and asked to resume her maiden name, "because" she said "Smith is so common." "Alright" said the judge, "guess we can get along without you." His name was Judge Lewis Smith.

"If you put your money in our savings fund you will be able to draw it out tomorrow by giving us a week's notice."

A New York restaurant advertises: "Pies like mother used to make before she took to bridge and cigarettes."

A new assistant in the Illinois State Treasurers office is a Mr. Halfpenny. Oh, well, we suppose the old saying "a half-loaf is better than none" is applicable in this case.

At Six Points, Ind., Charles Shearer married Ella Lamb.

Via the Malden, Mo., Merit: TWO hurt as auto OVERTURNS ON 62.

■ ■ ■

SERVED 30 YEARS

William H. Graham, Verona, N. J., Had a Fine Record

The death of William H. Graham, aged 65, Verona, N. J., occurred on February 21. For 30 years he had been superintendent of the water and sewer department. He had been ill for the past six months. Death was due to a heart attack.

Mr. Graham had served in many public capacities in Verona, where he had lived for 45 years. He was a former fire chief and before becoming superintendent had served terms on the Board of Education and Borough Council.

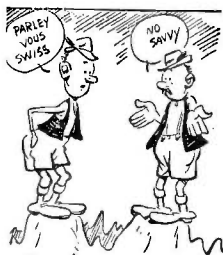
He was a member of the State Sewer Association, State Water Association, State Fire Chiefs' Association and a life member of the State Exempt Firemen's Association. He belonged to Verona Council, J. O. U. A. M., Montclair Elks and the Master Plumbers' Association of Montclair.

Mr. Graham leaves his wife, Mrs. Carrie Heider Graham, two sons, Charles of Caldwell and William, and a daughter, Mrs. Fred Ingold, all of Verona.

MUELLER RECORD

IT'S NOT ALL CHEESE

Switzerland Most Consistent European Democracy—Four Languages



SWITZERLAND HAS FOUR OFFICIAL LANGUAGES—
— FRENCH, ITALIAN, GERMAN AND ROMANSCHE (AN OBSCURE DERIVATIVE OF LATIN) —

There are more things in and about Switzerland than cheese, which looks as if used for target practice with a 22 calibre rifle.

While the agricultural districts are making and selling us "target practice" cheese, the famous little democracy has quite a few industries — watches, clocks, jewelry, electrical and pharmaceutical instruments,

condensed milk, and other things to export.

Just how they do all this while combating the handicap of four official languages, is something to speculate on.

Four Ways To Talk

To register 100 per cent in Switzerland you would need to be familiar with all these languages. Small as the country is, one language is not enough to meet the needs of the inhabitants—French, Italian, German, and Romansch — the latter an obscure derivative of Latin are the vehicles of communications.

In these days when democracy is being so widely discussed, the opinion of Viscount James Bryce, English scholar, statesman and author, is of interest. This distinguished man was England's ambassador to United States in 1912. He says of Switzerland: "It has pushed democratic doctrines farther, and worked them out more consistently, than any other European state."

Small In Area

This little country is only 227 miles wide from east to west, and in length only 137 miles. It lies entirely inland with an estimated population of 4,200,000. The Swiss did not become an independent nation for the asking. Caesar began the conquest of the Helvetians in 58 B. C. and from that time on the little Republic has been kept busy fighting for and defending their country. It was not until 1848 that Switzerland obtained political unity.

Governing Bodies

It is composed of 25 cantons and half cantons governed by a constitution. The Federal Assembly, is comprised of the Standerat of State Council, with 44 members.

DEATH OF JOHN R. EARLY

Was For Fifty Years In Plumbing Business At Washington, Pa.

The many friends in business, political and plumbing trade circles, will hear with deep regret of the recent death of John R. Early at his home in Washington, Pa. Death followed an illness of two years following complications from rheumatism. He had for 50 years been a plumber in Washington.

Mr. Early was widely known in Western Pennsylvania in politics and in the plumbing and heating and allied technical fields. He was past treasurer of the Pennsylvania Master Plumbers' Association and for many years a member of the Board of Directors of that organization. He was one of those men who gave back to his calling as much as he got out of it, always earnestly and generously giving his time for the general good of the plumbing industry. He was co-author of the Third Class Cities' Plumbing Code for Pennsylvania, passed by the Legislature in 1909.

Active In Politics

Mr. Early, a democrat, took an active interest in politics, was for more than 20 years chairman of the first ward of Washington, a member of the County Executive Committee, and a frequent delegate to the party's state conventions.

He was correspondent of the National Plumbers Trade Journal and other trade papers, including Mueller Record, to which he occasionally contributed.

He is survived by his wife, a son, Charles A. Early, and a brother, George Early.

Mr. Early was a member of the Church of the Immaculate Conception, where funeral services were held.

These are chosen two for each canton which pays for them. The National Council consists of 187 representatives chosen in direct election, one for every 20,000 persons.

■ ■ ■

Kept His Pants On

Johnnie had torn his trousers, and was put to bed. Later his mother went to the room—the torn trousers were there, but Johnnie had disappeared.

Hearing a noise in the basement, mother called: "Johnnie, are you down there running around without your pants on?"

A deep rumbling voice answered: "Naw, madam, I'm reading the gas meter."

LEE HARVEY TO STEP OUT

Superintendent at Conneaut, Ohio, to
End Long Service Under
Retirement Rule



Lee Harvey

The Conneaut News Herald of recent date announces that Lee Harvey, superintendent of water works in that city, will retire with the close of this year. At that time he will have rounded out forty years of continuous service. Mr. Harvey has a wide acquaintance in the industry, and when he steps into private life he will have the satisfaction of looking back over a fine record of efficient management, and the development of a water works plant modern and up-to-date in all respects.

It's The Law

He is amply capable mentally and physically to continue his work, but the Ohio law fixes a retirement age, and that ends the argument. He is now the oldest municipal employe in Conneaut, and one of the oldest in Ohio in point of service. He has been superintendent since a few months after he started with the old company in June, 1901.

Has Seen Plant Grow

Under his supervision he has watched the development of the Conneaut plant, which includes the construction of a new pumping station, miles of new pipe lines and a great increase in consumers. Mr. Harvey has been something of a traveler, having visited 38 of 48 states, and "When I retire," he says "I'll visit the other ten."

Dangerous Undertaking

On January 3, Mr. Harvey and L. A. Jenks, plant operator, dined together. That date marked the anniversary of a thrilling experience which they had 19 years before. High wind had driven slush ice over the intake crib, shutting off the water supply. In a dark night and in the ice-clogged water the two men, in a row boat, made the dangerous trip to the crib. Mr. Harvey with a long pole cleaned the ice from the crib, but on the return trip the boat was driven a thousand feet off course. With Mr. Jenks rowing and Mr. Harvey pushing ice floes away they finally reached shore at 4 a. m. When the boat was about 200 feet off shore Mr. Harvey lost his balance

and went overboard, saving himself by grabbing the gunwale to which he clung until a safe landing was made. It was a frightful, dangerous experience, but the two rugged men withstood the hardships—they did not even have the "sniffles". Years have obliterated the danger of that task and in memory it is now looked upon as a part of the day's work.

Lee Harvey has earned his right to rest, comfort, and pleasure, but it is our guess that he will miss that daily grind which becomes part and parcel of all men of active mind and body.

Army Humor On Tap

Military activity always brings to the front a wealth of stories and jokes. Army rules and regulations are inflexible, and it requires a nimble brain and an elastic conscience to dodge them. "There was," says Herbert Corey, in Nation's Business, "the classic army story of the disbursing officer, who found himself one anvil short. Deserters furnished one avenue of escaping responsibility in cases of this kind. This disbursing officer when pinned down said: 'Private John Smith stole the anvil when he deserted. How did he get away with it? Swam the Rio Grande.'"

And this additional incident is given as a fact. "An army officer hired twelve Mexicans as a bucket brigade to put out a fire in an army stable. He turned in a nine dollar voucher for the money he paid them. It was returned to him because he had not advertised for bids."

Fix Bayonets

Bernard J. Degman spent three months gaining weight so he could join the army. He made the grade. On the morning of his induction, set for 7 a. m., he overslept, but the army was after him and sent an orderly to drag him in. "Won't happen again," promised the recruit. Better hadn't unless Degman wants a hard-boiled "sarge" prodding him with a bayonet.

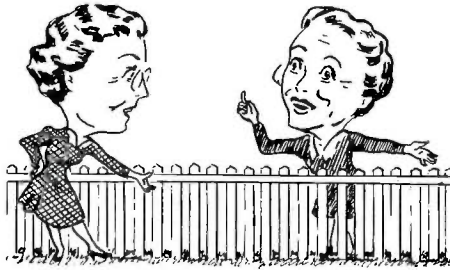
1st Sergeant: "Stand up straight, throw your shoulders back and button up your coat."

Married Recruit (absent-mindedly): "Yes, certainly, dear, I'll do it right away."

Corporal: "Squad's right?"

Rear Rank: "After all these years he admits it."

LEAVE IT TO THE LADIES



At Canton, N. Y., the postmaster returned two letters, subject to one and a half cents postage each. The lady mailing these letters had solved the problem of one and a half cent postage by cutting diagonally across a three cent stamp and putting one-half of the stamp on each letter.

A lady of Albany, N. Y., applied for renewal of her auto license. She wrote: "Enclosed find check for \$14.50 for 1941 registration. If possible make it a small number inasmuch as I am short on memory and can never remember where I park." She forgot: To sign her name, enclose the check or forward the required renewal stub.

She: "When you drink, what do you have for a chaser?"

He: "My wife, naturally."

Bob: "Is your wife economical?"

George: "Very. We do without nearly everything I need."

Caller: "Good morning, Madam, I'm from the Electric Company and understand there is something in the house that won't work."

Answer: "No, he's in the back yard."

Wife: "My husband has no bad habits whatsoever. He never drinks and he spends all his evenings at home. Why, he doesn't even belong to a club."

Visitor: "Does he smoke?"

Wife: "Only in moderation. He likes a good cigar after he has a good dinner, but I don't suppose he smokes two cigars a month."

"My dear! He's the kindest man to dumb animals," says Miss Dumb Dora, "he's always putting his shirt on some race horse."

AN OLD TIME BID

Submission For Plumbing In The Early Sixties Shows Interesting Prices

The Western Lunatic Asylum, at Hopkinsville, Kentucky was built many years ago. It was during the war and the time consumed in building it was 1861 to 1869. This institution is now the Kentucky Western State Hospital. While it was first building Captain Robert Biggs was a contractor in that section. He submitted a bid on plumbing and the original hand written submission has just come to light. It is of especial interest to our plumber readers, showing as it does prices prevailing at the time. The reader will note the extremely high prices, for instance, 25c per foot for $\frac{3}{4}$ " galvanized iron pipe and 40c for 1" galvanized iron elbow. Another item was \$3.25 for a $\frac{3}{4}$ " brass valve, and \$5.00 for lavatory faucets.

The interesting document from which these notes were gleaned is the property of Hugh McShane of Hopkinsville, an old friend and patron of Mueller Co. We had hoped to make a facsimile of Captain Biggs' submission but the writing and figures are so faded that they would not reproduce satisfactorily. Of course it is hand written, neat and plain.

An indication of labor costs in those days is shown by these two entries:

Plumber and helper, per day...\$9.00

Fitter and helper, per day..... 9.00

Some of the other prices quoted follow:

Iron Bath Tubs.....	\$30.00
Enamelled Hoppers	8.00
4 inch Iron Traps.....	6.00
$\frac{3}{4}$ inch Pipe, Plain Iron.....	.20
1 " " " "28
$1\frac{1}{4}$ " " " "35
$1\frac{1}{2}$ " " " "45
2 " " " "65
$2\frac{1}{2}$ " " " "	1.25
3 " " " "	1.75
$\frac{3}{4}$ " Galv. Iron Pipe.....	.25
1 " " " "38
$1\frac{1}{4}$ " " " "50
$1\frac{1}{2}$ " " " "67
2 " " " "95
$2\frac{1}{2}$ " " " "	1.50
3 " " " "	2.10

Brass Valves								
$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	$1\frac{1}{4}$ "	$1\frac{1}{2}$ "	2"	$2\frac{1}{2}$ "
1.60	1.85	2.40	3.25	4.50	6.50	8.50	14.00	21.00

Plain Iron Tees					
1"	$1\frac{1}{4}$ "	$1\frac{1}{2}$ "	2"	$2\frac{1}{2}$ "	3"
.40	.55	.75	1.25	2.20	2.90

Plain Iron Elbows					
1"	$1\frac{1}{4}$ "	$1\frac{1}{2}$ "	2"	$2\frac{1}{2}$ "	3"
.30	.40	.55	.90	1.40	2.25

(Continued on page 21)

Made First Tap In 30 Minutes . . .

Robert C. Johnson, Central City, Colorado, Tells of his First Job with Mueller Tapping Machine

Ed. Mueller Record



Robert C. Johnson

"Thought that perhaps some of the younger of your readers might be interested in a few lines from an old timer in the water works game. Have been Water Commissioner on our city owned plant for over 30 years. When Mueller Co. advertised their tapping machine over 40 years ago, I called the attention of our city fathers to the fact that we could tap our water mains under pressure, and do away with our yokes and hand ratchets in tapping mains, without shutting off the water. Under the old way we would turn the water off, and sometimes for the entire town in order to bore the three-quarters or one-inch hole into the cast iron water main. Then three men would bail water two or three hours. I would then slide into this mud and caved in ditch and tap the thread into pipe by use of a monkey wrench, so with all this handicap of water and caved in ditches I became more determined to secure one of your machines.

Chairman Said Bunk

The Chairman of the Water Committee said it was all bunk about tapping a water main under pressure without shutting off the water. I saw that he was from Missouri and I made up my mind to show him. I ordered the machine for a thirty day trial and it arrived in due time as you had promised in your advertisement. Had a new water service to install for a new residence, excavated and got everything ready to tap a six-inch cast iron main pipe line. Bolted the machine to the main after reading the instruction card very carefully.

High Pressure

The pressure at this point is 125 pounds per square inch, and I was very nervous as it was my first experience. As a mechanic I knew that the machine would do just what you claimed it would do. I then hunted up the Chairman of the Water Com-

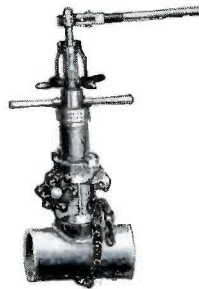
mittee. He was very nice and went with me to where I had the machine bolted to the main. He looked it over and remarked that when I got a hole in that pipe it would blow me out of the ditch.

First Tap In 30 Minutes

I said: "Billy, I'm going to take a chance as it looks good to me. What time is it, Billy. Look at your watch."

I then started while he watched me work. I bored the hole and forced the drill bit in and cut the thread into the pipe. Then withdrew the piston and placed the corporation cock in position, screwed it to the main, then loosened the chain from the clutches, and said, "What time is it, Billy?"

"By Gosh, it only took you thirty minutes to do that job. We must buy that machine!" Which we did.



Mueller "B" Machine

I retired from the water service last May in my 81st year, but the machine is still doing good work. Believe this machine was about the first one in this Rocky Mountain region.

Another Story

I have another little story to tell you. Many years ago one of your salesmen (a nice young fellow) walked into my shop with his grip, and said: "Mr. Johnson, I have a new stop and waste which I would like to show you. It is considered the best on the market."

"Sure," I said, "let's see it. There is nothing on the market that I have used that I consider strong enough to stand the rough usage that it must stand to be a success."

Lo and behold, I saw the model made in aluminum which he told me the Mueller Co. had patented a few months before. I then reached up on a shelf and showed him a stop and waste exactly the same as the one he had shown me. I had made this model two years before. I intended to apply for a patent, but being very busy put it off from month to month and lost out.

(Continued on page 18)

Central City Colorado Opera House



The pride of Central City is the opera house shown on this page. It is a handsome place of amusement. Every July there is a festival and high class opera lasting from two to three weeks. Thousands of visitors gather in this city for this event.

RENEW ACQUAINTANCE

Mueller Record Letters Source of Much Pleasure Reestablishing Contact Between Old Friends

Many letters come to the Mueller Record after each publication, and they are all received and read with considerable pleasure and gratification. Some times the letters express approval of our little magazine; sometimes the writers are seeking more information; sometimes they poke fun at the editor for errors he has allowed to creep in; and frequently they tell us things we didn't know. Many of these letters are passed around to others in our organization, who find them extremely interesting.

One letter of particular interest came after the publication of the January issue. It was from Ernest R. Acker, President of the Central Hudson Gas & Electric Corporation at Poughkeepsie, N. Y. Mr. Acker was elected treasurer of the American Gas Association at their convention in Atlantic City, and that issue of the Record contained the story of the meeting.

After receiving the Record Mr. Aker

wrote: "I was particularly interested in receiving this publication inasmuch as one of your executives, Mr. L. W. Mueller, was a classmate of mine at Cornell."

The letter was referred to Mr. Mueller (Duke, as he is known to associates and friends), who was pleased to hear again from an old friend and to renew his acquaintanceship. Duke, who graduated from Cornell in 1917, is now Vice-President and Works Manager of the Mueller Co.

All members of the company enjoy receiving letters from old friends in the trades which we serve, and when, as in the this case, the Mueller Record is instrumental, the editor, too, derives satisfaction from the service rendered.

■ ■ ■

Soap Box

Orator: "Who has done most to rouse the working classes?"

Heckler: "The inventor of alarm clocks."

Which?

Suitor: "There isn't much I can say for myself. I'm just a plain citizen and a taxpayer."

Prospective Father-in-Law: "Taxpayer, eh? Income or dog?"

NEW SUPT. AT ATLANTA

Meredith Collier Succeeds The Late Wm. M. Rapp, Sr.



Meredith Collier
New Supt. at
Atlanta, Ga.

Meredith Collier, veteran Atlanta Water Works employee, was appointed Superintendent of Construction and Distribution to fill the vacancy incurred at the death of Mr. W. M. Rapp, Sr. This is a Civil Service appointment.

Forty-five Years' Service

Mr. Collier entered the employ of the Atlanta Water Works March 10, 1896. He has filled a number of positions in the department including machine shop mechanic, blacksmith and foreman of pipe line construction. He has been actively engaged in water works engineering, as assistant to Mr. W. M. Rapp, Sr., for more than twenty-five years. His efficiency and steadfast loyalty have won for him the respect of the employees of the Atlanta Water Works and admiration of his many water works friends throughout the United States.

Two Hobbies

Besides an indomitable faculty for hard work, he has two major hobbies. He is an amateur photographer of repute, having photographed a large number of the major improvements of the department during the past forty years. These pictures are one of the most valuable collections of their kind in the field of water supply. In more recent years, he has become an enthusiastic radio fan and has built a number of short wave-domestic sets which are the envy of his many evening visitors.

Meredith Collier's grandfather was one of the original settlers of Atlanta and the members of his family have been outstanding in the civic life of the south. He married Emma Estelle Morgan thirty-six years ago. They have one son Meredith Morgan Collier.

Lot of Practical Experience

Mr. Collier has been active in the affairs of the Central Presbyterian Church in Atlanta for more than a quarter of a century. He is a Mason and has traveled extensively in the United States, where he derived first hand information from a number of water works engineering projects.

Mr. W. Z. Smith, General Manager of

the Atlanta Water Works, in commenting on Mr. Collier's appointment, praised his many years of loyal and efficient service to the department.

(Continued from Page 16)

I consider it the best one on the market to this day.

Wish to state that I have used Mueller goods in my long experience in plumbing and water works, and there is none better for service and workmanship on the market.

In all these years you have kindly mailed me the Mueller Record. Wish that you would continue to do so and bill me for charge and I shall cheerfully remit.

Excuse this letter as I am not an expert, which you can see. Best wishes to all the craft for the future. I beg to remain,

Robert C. Johnson
Central City, Colorado

PLAY WITH HEADLINES

Reader of Mueller Record Sends In Clever Letter

After every issue of Mueller Record we receive many appreciative letters, and they are always welcome. In the November issue we published a little puzzle in punctuation. It consisted of about a dozen uncapitalized and unpunctuated lines. Quite a few of our readers tried to straighten the lines out with capitalization and punctuation marks. These were published in the January issue, calling forth the following clever arrangement of titles to various columns. The letter came from M. P. Hay, clerk of the water and sewage board of Swampscott, Mass. It follows:
Gentlemen:

The January Mueller Record arrived this morning, and I was surprised to see my name and entry under the punctuation puzzle. After reading the new copy from cover to cover, I concocted the following out of a few of your paragraph titles:

The Mueller Record is certainly out of the ordinary. There is always something new especially for home owners, and bad habits or physical handicaps have not failed to prove it. Leave it to the ladies especially newly weds to read gob guffaws. Although January is the birth month of great men, animals are still in the news. P. S. we're taking time out to wish you a happy new year!

Very truly yours,
Water and Sewerage Board
M. P. Hay.

MUELLER RECORD

MUNICIPAL NEWS NOTES

The estimated cost of Toledo's extensive water supply project was \$9,000,000. This includes a new source of supply. It's a PWA project and was to have been completed Dec. 31, 1940. With the work 85 per cent completed Toledo has asked for a six month extension of time.

The State Department of Health of Tennessee is rating public water works. There are sixteen items and to secure approval ninety points must be scored. The work, commenced last year, is still in progress. Sixteen of 207 water supplies have been approved and now carry signs at the city limits advising tourists, "Public Water Supply Approved—Tennessee Department of Health."

It's been some time now since we were all "het up" about the holidays but not too late to tell you of the New Years gift to water takers at Albia, Iowa. Each one received a \$5 allowance on his water bill. Invoices were sent only to those above that sum. This is the third year of this practice.

The city of Ada, Ohio, has agreed with the Ohio Power Company (electrical) to purchase the water works for \$68,000. It was the only system owned by the Power Company. The plant includes deep well supply, softening plant, distribution system, and an elevated tank.

Klamath Falls, Oregon, passed an ordinance prohibiting erection of bill boards and posters on property of other citizens without consent of the owners. Penalty, \$100 fine, 50 days in jail or both.

The Works Progress Administration approves \$122,088 for improvement of Medford, Oregon's airport. Medford pays \$22,859.

Portland, Oregon has authorized issuance of \$750,000 improvement bonds which paves the way for demolition of old buildings on Front Avenue and reconstruction of bridges on that street. The remainder of \$1,250,000 bonds, voted at the polls last May, will be sold as needed.

Mayor Rossi, San Francisco, honored at a banquet by 1000 citizen and business men, gave a heart to heart talk, employing facts and figures instead of platitudes. He

said the time had come when San Francisco must abandon its proud boast of having the lowest tax rate of any city of comparable size. Among other things he said the government wanted Treasure Island (fair site) and therefore will get it for national defense. It's to be a training school for 5000 men at a time. Barracks, wharves, ships, hospital, and machine shops are included in the plans.

The council of Bloomington, Ill., has approved a sale of water to the village of Towanda.

The contract, to be effective for 26 years, provides that the city of Bloomington will supply all Towanda's needs at a basic rate of 9¾ cents per 1,000 gallons. A 4-inch pipe will be coupled on to the big main leading from Lake Bloomington to the city water works. Under a separate project, costing \$66,127, Towanda will build a new water distribution system. This will be financed through a \$45,127 WPA grant and a \$21,000 bond issue. Work is under way. Heretofore Towanda depended on a well supply but the well proved unequal to the demand.

The water takers at Cozad, Nebraska, received a greeting card from the Board of Public Works, which said, among other things, that the successful operation of the Cozad Municipal Light Plant for the past two years made it possible to give each customer a 25% discount on electricity bills paid before the 10th day of January.

Gaffney, South Carolina, is one of the pioneers in Christmas presents to customers. Nineteen-forty marked the ninth year of this practice. The Board of Public Works said "We are glad to announce that all bills for electricity and water used during our regular meter reading period of December, 1940, will be sent to you marked 'paid' on January 1." In doing this we hope it will enable you and your loved ones to enjoy Christmas a little more.

■ ■ ■

Keep On Worrying

A Kansas City man visited his creditor the other day and asked: "Are you worried about whether I can meet my note next month?"

"Yes, I am," confessed the creditor.

"Good," said the client. "That's what I'm paying you six per cent for."

Wild Geese Carry the Gospel...



Jack Miner liberating a Canadian wild goose banded with a strip of metal bearing his name and address and Biblical quotation.

Wild geese and ducks carry the gospel from Jack Miner to all parts of the world visited by these fowls. Mr. Miner is a naturalist, living at Kingsville, Canada, and his unusual method of spreading the gospel stamps him, not only a deeply religious man, but with equal force stamps him as a lover of all of nature's living creatures.

Started in 1909

As far back as 1909 Mr. Miner started banding geese and ducks to learn their migratory routes. In 1915 he began banding Canadian geese. His sole purpose at that time was accumulation of scientific data as to where the fowls went, nested, and what state or province shot the largest percentage. A firm believer in the Bible he was prompted to imprint on his bands a scriptural quotation, thereby making his winged friends missionaries of the air.

Maintained Over 20 Years

Following this thought to its conclusion he added the verses to the bands in 1916. Since that time the practice has been maintained, and these messages have gone to the Eskimos and the Indians in the Arctic regions, and to the white men in the Northern countries of South America. The results have been astonishing. Manly F. Miner, eldest son, acts as his father's secretary, and he is a busy man in that capacity. Writing of his father and his work, the

younger Mr. Miner, in the magazine *Gideon* says:

"Being his oldest son, I have had the joy of acting as Jack Miner's secretary—of opening letters he receives and learning from them the effects and learning from them the effects this little verse of Scripture has had on the hearts, minds and souls of humanity in this Western Hemisphere.

An Early Experience

"The first great experience was about a year or so after we started banding geese, when the Rev. Mr. Walton, an Anglican missionary, came from Hudson's Bay with a string of bands which had been collected by him from the Eskimos and Indians. As the natives would get these bands they would take them to this devout missionary for interpretation of the Bible verse. As the natives would say, 'We want to know what God says this time.'

"They were superstitious. They thought the messages were sent to them direct by God. The missionary would use the verse on the band as his text on Sunday, and this acted as a means of getting all the natives out to hear the sermon and learn 'what God said this time'."

Missionary Geese

The hunters of the United States now call these "Jack Miner's Missionary Geese." Manly says:

"We have banded over 50,000 ducks and more than 23,000 Canada geese. Besides carrying the Scripture message, the band is a most successful means of gathering scientific data for the Biology classes of the universities."

Evidence of Plan's Influence

A new generation of Eskimos and Indians has grown up and the bands are not the novelty to them that they were to the preceding generation. They like to barter for the bands. Now Mr. Miner sends them Biblical pictures which are traded for the bands. Missionaries in the Hudson Bay territory write to Mr. Miner that the Eskimos and Indians paper the walls of their huts with these pictures. They also advise him that the influence of his work has made it easy for them to tell the natives about the Bible and Christ.

Reports Spread Quickly

Whenever a hunter in Canada or the United States shoots a banded goose, the report quickly reaches the daily press. And



The Miner Bird Sanctuary where food and shelter are provided for migratory water fowl which seem perfectly at home there.

always the verse of Scripture that is on the band is quoted. This may be: "No good thing will He withhold from them that walk uprightly," "Have faith in God," "Jesus saves," or some other such specially selected promise. The newspapers carry the messages everywhere. And many a letter has come to Jack Miner from prisons telling of a changed heart and a changed life through the reading of such a message placed on the leg of a wildfowl by him.

How Mr. Miner feels

Concerning it Jack Miner himself says: "I feel I am doing one of the greatest pieces of missionary work when I harness up a flock of birds with Gospel messages and send them north to the Eskimos and Indians, because I know I am sending them food both for body and soul."

■ ■ ■

(Continued from page 15)

	Galv. Iron Tees				
1" 1¼"	1½"	2"	2½"	3"	
.50 .75	.95	1.60	2.75	3.75	
	Galv. Iron Elbows				
1" 1¼"	1½"	2"	2½"	3"	
.40 .55	.70	1.25	1.85	2.75	
1 inch Return Bends.....					.75
Wash Stands with 3 Basins.....					25.00
Basin Cocks Compression					5.00

■ ■ ■

First Eskimo Wife: "Does your husband stay out late during the winter nights?"

Second Eskimo Wife: "Late! Why, last night he didn't get home till half-past January."

MATERNITY WARD

(Continued from page 10)

Four At A Time Again

The latest report of quadruplets comes from Leitchfield, Kentucky, just in time to catch this issue of the March Record. Three girls and a boy were born to Mr. and Mrs. Porter Lasley, much to the surprise of father and mother and all the neighbors. The accouchement had been expected in April. This makes twelve children for the Lasleys. Mr. Lasley and seven of his eight other children had gone to church, Ruth, aged ten, having been left at home. The quads were hurriedly taken to a Louisville hospital. Mrs. Lasley is well pleased.

■ ■ ■

Knew the Answer

The feminist orator had waxed very indignant over the universal treatment of her sisters.

"Just as if," she screamed, "all men were perfect. Why, there's not even one perfect man! I dare anyone to name a perfect man!"

A meek looking man in the back arose. "What?" demanded the speaker. "Do you claim to have known a perfect man?"

"Well, I never really knew him," the little fellow said apologetically, "but I've heard a lot about him!"

"Who was he?" shrieked the speaker. "My wife's' first husband!"

J. L. SWEENEY DEAD

Connected With Pensacola, Fla., Water Works For 34 Years



J. L. Sweeney

James L. Sweeney, superintendent of the water works, Pensacola, Fla., died recently, after a lingering illness which had placed him on the city's inactive list. He was a native of Pensacola and was about 74 years old. Thirty-four years of his life he was connected with the city's water works system. He is survived by his wife and two daughters,

Mrs. W. W. Westing, Mrs. Alma Payne, both of Pensacola and two sons, J. J. Sweeney and Lieutenant James Sweeney on active duty at Ft. Bragg, N. C. He was a member of the Knights of Columbus, and had a wide acquaintance in the water works field.

CEYLON IS INTERESTING

Ceylon Island lies at the extreme southeast tip of India. It is a British possession and is noted for tea. The climate is tropical, with an average temperature of 80 degrees but at Nuwara Eliya, elevation of 6000 feet, it is 58 degrees. Valuable wood products are ebony, satinwood and other cabinet woods, plumbago, and precious stones. Practically every precious stone is found in the island except opals, diamonds, emeralds, and turquoise. The most important jewels are sapphire, rubies, garnets, and moonstones, while fisheries are productive, the record annual catch of oysters amounting to 80,000,000. Most of the heavy work is done by elephants. Ceylon's elephant population is given at 2600, of which 1000 are still in a wild state. A trained elephant will carry a load of 1700 to 2200 pounds all day long, walking four miles per hour at a steady pace.

Popularity Increases

American automobiles increase in popularity abroad. Foreign sales for the eleven months ending with November reached a value of \$247,526,346. Sales were about evenly divided between passenger cars and trucks in numbers although the trucks brought more dollars to motor manufacturers.

HERE is in souls a sympathy with sounds;
And as the mind is pitch'd the ear is pleas'd

With melting airs or martial, brisk or grave.
Some chord in unison with what we hear
Is touch'd within us and the heart replies,
How soft the music of those village bells,
Falling at intervals upon the ear
In cadence sweet, now dying all away,
Now pealing loud again, and louder still,
Clear and sonorous, as the gale comes on.
With easy force it opens all the cells
Where memory slept. Wherever I have heard

A kindred melody, the scene recurs,
And with it all its pleasures and its pains.
—Wm. Cowper—"The Task"

(Continued from Page 5)

it was in a peaceful period, and neither of his two terms produced any such conditions as have since threatened the world. At one time he was a teacher in New York. In Buffalo he studied law and became partner in a large and successful law firm. He served as sheriff of Erie county and Mayor of Buffalo and was afterwards governor of New York. In both of these positions he vetoed much of what he considered useless laws, and as president he exercised this prerogative to an extent which probably was never equalled by any other chief executive. Aside from his independent exercise of his veto rights, he did much to establish civil service. In the great Pullman strike in Chicago, 1894, he unhesitatingly placed United States troops in the city to prevent interference with the mails. This was done over the protest of Governor John P. Altgeld, and the incident is still debated by old timers. In a dispute with Great Britain over the Venezuela boundry, Cleveland, say his biographers, "through his insistence upon the Monroe Doctrine fixed its fundamental claim and meaning in the national consciousness."

John Tyler became president by the death of William Henry Harrison, which occurred one month after his inauguration. His ancestors were English and claimed descent from Wat Tyler, British rebel. The younger Tyler was born March 29, 1790, educated at William and Mary College, studied law and was a member of the Virginia legislature. He committed himself against the United States Bank and favored the theory of the right of the legislature to instruct its senators. He served several years in congress 1816-1821, but resigned because of ill health. From 1823 to 1825

(Continued on page 32)

TEN FEET AND GROWING

Six Years Required for Development of *Dracaena Massangeana*

Through the assistance of John N. Bommersbach, of Decatur, who has grown up as a floriculturist, we have identified the accompanying plant as a specimen of *Dracaena Massangeana*. Whether this is a masculine or feminine plant we are unable to say. We understand that trees and plants have sexes, but can neither affirm nor deny this information. It's not through any desire to high hat readers with the name given, but our informant advises us that the plant has no common name. If it should per chance be a male plant we would immediately give it a common name, say "High Pockets." Our informant also advises that it is a very good house plant and to this we make affirmation. It was sent down to us from the third floor, main offices about five years ago when it was about three or four feet high and had one leaf. Now it stands 10 feet high, less the height of the pot. The girls nursed it along, as they might a sick kitten, gave it plenty of water, and the result is convincingly evident in the photograph.

There is a touch of sentiment connected with this plant. It was brought to the office by the late Robert Mueller, who died a year ago this month. He loved and was kind and gentle with all things in nature. While this plant grows it will, we hope, keep the memory of him alive with all who knew him personally.

Mr. Bommersbach tells us this plant is to be seen in the lobbies and corridors of many southern hotels.

The encyclopedia says the *Dracaena* is a genus of a tropical woody plant belonging to the order of the Liliacea, and characterized by their broad leaves and their heads of greenish-white salver shaped flowers. The best known example of it is the dragon-tree (*D. draco*) which reaches a height of 60 feet. It has a crown of short branches, bristling with tufts of sword-shaped foliage, and yields the resin "dragon's blood." Other species are *D. fragans*, much grown in conservatories; *D. hookeriana*, from Cape of Good Hope, growing to a height of five feet; and *D. sanderiana*, a slender species from the Congo country, an excellent plant for conservatory or table decoration. The plants should not be allowed to become pot-bound until they have grown to the size desired.

Our plant will not become pot-bound. It has already been transplanted two times and is about ready for another—we expect



to keep it growing until it reaches the ceiling, which is about 20 feet above the floor on which *Dracaena-Massangeana* now stands.

■ ■ ■

And Then Ker-plunk

Two Irishmen were told to clean out a well. Mike was being lowered by Pat when suddenly he cried out, "Pat, pull me up."

"You're all right, Mike," said Pat reassuringly.

"Pull me up."

"Go on, you're all right."

"Pull me up," yelled the exasperated Mike, "or I'll cut the rope."

Just Once

"You say he kissed you only once last night? What was the matter?"

"Nobody interrupted us!"

Alike On Two Sides

The irate father was storming at his wayward son, "Mark my words, someday the worm will turn."

"What's the dif," asked the indifferent son, "it's the same on both sides."

The Auto Line



TIGHT WAD

Nellie: "Gracious, but you and Jim were gone a long time. Have a blow-out?"

Maudine: "No, he never spent a penny."

INQUIRING POLICEMAN

Her car stalled at the corner and the traffic light changed red, yellow, green; red, yellow, green, etc. The polite policeman stepped up beside her car and said, "What's a matter lady; ain't we got any colors you like?"

EMILY POST OUTPOSTED

"Thanks awfully, officer, but another policeman has already given me a ticket."

IN WRONG PEW

Tourist: "What a quaint village! Truly one-half the world is ignorant of how the other half lives."

Native: "Not in this village, mister; not in this village."

WHY SHE WALKED

Mother: "Mary, where have you been until 3 A. M.?"

Mary: "Walking, mother."

Mother: "For goodness sake!"

Mary: "Yes, mother."

RUTHLESS

Ruth rode in my cycle car
In a seat in back of me.
I took a bump at fifty,
And rode on Ruthlessly.

CONSOLING—AND HOPEFUL

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

Wife: "Oh, give him another chance!"

UP TO THE MINUTE

Taxi Driver: "Gimme a cup of coffee, doughnuts, and some griddle cakes."

Waitress: "Cylinder oil, couple of non-skid, and an order of blow-out patches."

PLAYING SAFE

Employer: "I want a reliable chauffeur who takes no risks."

Applicant: "I'm your man, sir. Can I have my salary in advance?"

FARSIGHTED

Billy: "Marry me, darling, and I'll make you the happiest wife in forty-eight states."

Lily: "Not me, big boy. None of this life in a trailer for me."

RIGHT

"What model is your car?"

"It isn't a model; it's a horrible example."

IMMUNE

Truck Driver: "I oughta knock some sense into your head."

Other Truck Driver: "Yeah? Neither you nor nobody else can do that, see?"

OFF DUTY

Policeman: "How did you happen to hit the other car?"

Motorist: "It really was my wife's negligence. She fell asleep in the back seat."

REASSURING

Nervous Passenger: "Don't drive so fast around corners. It frightens me."

Taxi Driver: "Do what I do—shut your eyes when we come to a corner."

JOE OUT OF LUCK

Joe didn't listen, look or stop,

So they dragged his flivver to a shop.

It only took a week or two

To make the car look good as new.

But though they hunted high and low
They found no extra parts for Joe.

Mistakes In Medicine

Deaths in the United States from taking the wrong medicine run around 1500 to 2000. Always pick up and carefully examine any bottle of medicine—and then if you'll put it back on the shelf without taking any of it you will probably feel just as well and be in no danger.

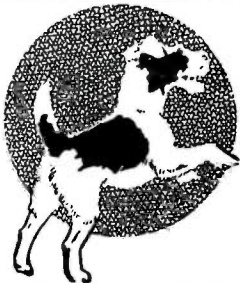
Like a brook his talk is noisy but shallow.

Time is a file that makes no noise.

Animals In The News

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

● "Five minutes to eleven," the meanest broncho known is treated like an invalid child. Once sold for \$5 he is now a bucking gold mine, having earned \$10,000, dumping cowboys as fast as they straddled the saddle. In 18 years he has been ridden 14 times. This "bronk" has been a star performer in Rodeo and has been shown in New York, London and Chicago.



● Christmas day three Negro farmers near Wilson, N. C., went to cut down a dead pine tree for stove wood. At the top of the tree they found a squirrel's nest. Just below, three raccoons in a nest—captured one—beneath that they found two bee hives—100 pounds of honey. Then they began cutting into the tree, when out jumped a 'possum. No chance for a 'possum to get away from three Negroes. Merry Christmas and a good time was had by all.

● In a Nebraska rural school the chimney did not draw as it should. Inspection showed three bricks had fallen out and the rafters were charred. Sparrows had prevented a fire by building nests in the hole left by the missing brick.

● Readers of Mueller Record have possibly discovered that we like dogs and make a feature of "Animals in the News." Big papers give them front page position. The powerful Associated Press sends out wire photos, as shown by the St. Louis Post-Dispatch. This picture occupied the front page to the extent of 32 square inches. One could not get an advertisement in that valuable position for any money. In regular advertising position it would cost approximately \$150 or \$200. The story is of human interest. A little dog, Hemstead, N. Y., wandered out on thin ice of a pond and fell into a hole. The little beast's struggle for life attracted attention on shore. Milton Brown shoved two ladders tied together out on the ice, and with a looped rope managed to lasso the struggling animal and bring it ashore. He risked his life to effect the rescue. The pictures referred to showed Brown on the ladder

pulling the dog to him. The second showed him on shore, dog wrapped in a blanket with a crowd looking on. Great story if it does concern nothing but a dog.

● A similar incident at Chicago gained space in the Chicago Tribune for two large illustrations and a news item. This time it was a little Spitz puppy rescued from a cake of ice in the Chicago river by two of the crew on a fire boat. They took a long chance in a small row boat to reach the frightened puppy. The picture showed the rescuers grinning happily—one of them hugging the puppy drying off in a woolen blanket.

● The dog catcher at Peoria, Illinois, has a new official title: "Canine Control Officer." Woof! Woof! laugh the dogs.

● One live and two dead skunks arrived at Minneapolis in a car of oats. Representative of consignee demanded a discount under a ruling against foreign material in grain. Consignors' representative declined any such concession. To solve the dispute of who owned the grain the Chicago Board of Trade was appealed. Answer: "The skunks, undoubtedly."

● A skunk made it's winter home in the coal bin of a United Brethren church, Petersburg, Ind., and the janitor couldn't get rid of the small intruder but Deacons James England and George Bryant did. They poured a gallon of gasoline in the bin. This put the animal to sleep and it was then carried out on a shovel. Deacons did not have to use a deodorant.

● Captain Arthur F. Warren, New York City, stationed at McClellan, Ala., longed for Dan, his year-old bulldog, which he had left with his mother at Rising Sun, Ind. The captain telephoned his mother, Dan was given an auto ride to Cincinnati, and two aviator friends of the captain gave Dan a quick ride to Fort McClellan and the reunion was complete.

■ ■ ■

All of One Kind

Traveler: "At last! I have been waiting here a long time—didn't your master tell you how to recognize me?"

Chauffeur: "Yes, but there were several gentlemen with large stomachs and red noses."

WORDS AND WAR

They Play Second Fiddle to Bullets Though Written by Wise Men

In the midst of a war that ravages European countries, slaughtering humans by the hundreds of thousands and leaving a path of destruction and waste, let's pause a moment and read the views of men of letters of different periods of history. Their condemnation is scathing, but as events prove, comes to naught. Bullets take the place of words. They are more to the liking of cruel, ambitious men, who by some mysterious power drive their fellow men into the heat of battle, and strange enough, like dumb, driven cattle these fellow men do the bidding of the monsters, seeking self-aggrandizement, under the thin pretense of patriotic service to their country. For centuries men of peace have said with the close of each war, "this is the last one," but the last is not come so long as men are activated by avarice, greed, and the pride of conquest. We do not believe this present war will be the last. From its smoldering embers, some future war-mad maniac will fan the embers into another flaming horror, more devastating and horrifying than any that has preceded. It is all very simple—they will have had more experience and more education in the art of extermination of humans, and more scientific means of successful wholesale slaughter.

The Concentration of Human Crimes

William Ellery Channing: "What distinguishes war is, not that man is slain, but that he is slain, spoiled, crushed by the cruelty, the injustice, the treachery, the murderous hand of man.

"The evil is moral evil. War is the concentration of all human crimes. Here is its distinguishing, accursed brand. Under its standard gather violence, malignity, rage, fraud, perfidy, rapacity and lust. If it only slew men, it would do little. It turns man into a beast of prey. Here is the evil of war, that man, made to be the brother, becomes the deadly foe of his kind; that man, whose duty it is to mitigate suffering, makes the infliction of his suffering his study and end, that man, whose office it is to avert and heal the wounds which come from Nature's powers, makes researches into Nature's laws, and arms himself with her most awful forces, that he may become the destroyer of his race. Nor is this all. There is also found in war a cold-hearted indifference to human miseries and wrongs, perhaps more shocking than the bad passions

it calls forth. To my mind, this contempt of human nature is singularly offensive. To hate expresses something like respect. But in war, man treats his brother as nothing worth; sweeps away human multitudes as insects; tramples them down as grass; mocks at the rights, and does not deign a thought to their woes."

Opposing Contrary Laws

Louis Pasteur: "Two contrary laws stand today opposed; one a law of blood and death, which, inventing daily new means of combat, obliges the nations to be ever prepared for battle; the other a law of peace, of labor, of salvation, which strives to deliver man from the scourges which assail him. One looks only for violent conquest; the other for the relief of suffering humanity. The one would sacrifice hundreds of thousands of lives to the ambition of a single individual; the other places a single human life above all victories. The law of which we are the instruments essays even in the midst of carnage to heal the wounds caused by the law of war."

Hugo Mistaken

Victor Hugo: "In the twentieth century war will be dead, the scaffold will be dead, hatred will be dead, frontier boundaries will be dead, dogmas will be dead; man will live. He will possess something higher than all these—a great country, the whole earth, and a great hope, the whole heaven."

ABOUT DEMOCRACY

Throughout the last campaign there was much stress put on the subject of democracy. Since then there has been much newspaper and magazine discussion.

Perhaps there is no man more generally quoted authority than the late President Woodrow Wilson, student, educator, statesman, and politician. We quote from two of his addresses during his presidency.

Sept. 4, 1916 he declared:

"The hopes of mankind cannot be kept alive by words merely, by constitutions and doctrines of right and codes of liberty. The object of democracy is to transmute these into the life and action of society, the self denial and self sacrifice of heroic men and women willing to make their lives an embodiment of right and service and enlightened purpose."

April 2, 1917—In his war message before congress. This is where he used the famous expression, "the world must be made safe for democracy."

"The right is more precious than peace, and we shall fight for the things which we have always carried nearest our hearts—for democracy, for the right of those who sub-

(Continued on page 32)

Out Of The Ordinary

No Legs, No Arms: Here is the limit in automobile driving. Frank Cain, justice of the peace at Yorkville, was arrested when his car crashed into another automobile on a curve. It is alleged Cain's car was speeded up to 80 miles an hour. After the collision Cain's car struck a telephone pole and rolled 180 feet. Cain has no arms above the elbow and is also legless. He manipulates his car by artificial limbs.

Died in Squalor: Joseph Hyman Weinberg, scavenger and beggar, New York, was found dead in a squalid room in the rear of a junk store. Authorities cleaning up found bank books showing deposits of \$26,098.60. The money was turned over to his wife and daughter whom Weinberg deserted in 1913, eighteen months after his marriage.

Won and Lost: At Denver a young man arrested for intoxication was subjected to the old test of walking a chalk line, scoring one hundred per cent, but ruined it all by walking through a glass partition door which he did not see. Blind drunk!

Froze Out: Three students Park College, Parkville, Mo., wanted the bath tub at the same time. All three got in and refused to budge. At three o'clock A. M.—after 11 hours in the tub—they were routed. Other students saw to it that the tub was filled with cold water, and the window kept open.

High Cost of Single Shot: In a newspaper article telling what the Illinois Society for the Prevention of Blindness has done in lessening this terrible affliction, Harold V. O'Brien points out that after years of work the society's annual budget is only \$22,000 annually, "about one-half what it costs to fire a single shot from a big naval gun."

Rolling Along: Over 'n over and over again was the experience of W. F. Stonebraker of Phillipsburg, Pa. The log of the trip: Car skidded 21 feet on strip of ice, again skidded 18 feet off the road, struck a culvert and turned end over end for 20 feet, and landed top side up, finally rolling 30 feet into a woods. "Goodness," said the uninjured Mr. Stonebraker, "you are no longer an old bus, you're a tumble bug."

Even Steven: At Manitowac, Wis. Albert Schwanke sued Louis Larson for \$2,500 claiming assault, and Larson sued him for \$5,000 for slander. The case was settled by the jury which awarded each litigant a verdict for 99 cents, holding that each was guilty.

Ashes It Was.—At Southport, N. C., the Rev. J. R. Potts, chose for his sermon subject, "Ashes." It was a farewell sermon, and true enough at that. Thirty minutes after dismissal, the church was a pile of ashes.

Lucky.—Policeman in Indianapolis, finding himself being outdistanced by a fleeing fugitive, took a long chance and threw his club at the runaway. Club went between man's legs and upset him in a snow bank. Captured by a "Lucky Strike."

Delivered His Fire.—A Kansas City man drove into a fire station and yelled for help. Fire ladders with an extinguisher put quick end to a blaze in the upholstery.

Unbelievable!—A Pasadena, Calif. man, suffering a slight heart attack, voluntarily surrendered his driver's license because "he was a menace to traffic."

Patrick Harvell, 11 years old, ran away from Eldorado, Ark., but when police met the bus at Denver they found Patsy a passenger, armed with a bow and arrow. "What are you going to do with that?" queried the officer. "Whatta you suppose" retorted the boy, "I'm going to hunt Indians."

Soaked.—Magistrate Burke, New York was so deeply touched by the forlorn, dirty, ragged Henry Thomas, 65, when arraigned for soliciting alms, that he ordered an investigation and continued the case. Called up a few days later, Burke heard the investigator report that Henry had \$25,917.69 in the bank. The magistrate soaked Henry for \$25.

Head On

There he was, swimming in the cold water, battling heroically against the waves. "Just a half mile more," he thought, "and I'll make the shore." His strokes were getting weaker. He could hardly lift an arm any more. The beach was only a few yards away. His last efforts were too much. He began to grow dizzy. Then his head began to swim and carried him to the shore.

Death Rides With the Careless Driver



1940 Toll:
Killed 35,000
Injured 1,320,000

Before us on our desk lies a pamphlet, the front cover carrying this title—"Here Today." On the back cover is another title—"Gone Tomorrow." Between these covers we find an appalling, horrifying, terrible story of the automobile massacres in the year 1940, a stupendous sacrifice of human life and limb — **35,000** killed — **1,320,000** injured.

This little pamphlet is issued yearly by the Travelers' Insurance Company. It is a story reeking with blood, torn and twisted bodies, many seared and scarred by fatal flames — fathers, mothers, and little children drawing their last breath under tortuous suffering. We wish that every driver of an automobile in the United States could read this book intelligently and comprehendingly and grasp the full import of the words and pictures but there is small hope that they will do so and less hope that they will give the overpowering recital serious thought.

In his foreword, Harry Barsantee, supervisor of the Travelers News Bureau, says:

Unhappily, the author of this report, after careful study of the minutes of the year past, can find no shred of satisfaction or shadow of improvement on which to base an optimistic message. The year 1940 was a year of retrogression, of disappointment and disillusionment in virtually every respect pertaining to street and highway safety.

The attitude toward it all, by a majority of automobile drivers, will doubtless be a refuge in that misguided belief of so many, to-wit: "it can't happen to me." Strangely enough there is no distinction in persons or classes in automobile accidents—they claim victims in all classes, and in all grades of intelligence.

We give herewith the tables from the Travelers pamphlet, which covers the various types of accidents in general:

Table 1—Types of Accidents
 COLLISION WITH:

	Persons Killed	Persons Injured
Pedestrian	12,500	290,400
Automobile	10,400	739,590
Horse-drawn vehicle .	70	3,940
Railroad train	2,070	7,880
Street car	140	12,270
Other vehicle	100	5,220
Fixed object	3,690	98,300
Bicycle	800	43,190
Non-collision	5,030	113,990
Miscellaneous	200	5,220
TOTAL	35,000	1,320,000

The above table is broken down in different ways to show the various types of accidents and from these some interesting facts are gleaned.

Table 2—Actions of Drivers

	Persons Killed	Persons Injured
Exceeding speed limit . . .	9,600	221,190
On wrong side of road . . .	4,150	123,830
Did not have right-of-way .	3,000	235,700
Cutting in	360	21,350
Passing standing street car	20	1,700
Passing on curve or hill . .	290	10,250
Passing on wrong side . . .	290	10,250
Failed to signal and im-		
proper signaling	820	80,280
Car ran away—no driver .	40	850
Drove off roadway	1,230	23,060
Reckless driving	3,580	100,770
Miscellaneous	620	24,770
TOTAL	24,000	854,000

Table 3—Actions of Pedestrians

CROSSING AT INTERSECTION:

	Pedestrians Killed	Pedestrians Injured
With signal	190	15,390
Against signal	740	34,560
No signal	2,150	48,210
Diagonally	210	3,490
Crossing between intersections	3,950	74,630

Waiting for or getting on or off Street car...	40	1,450
Standing on safety isle.	50	1,160
Getting on or off other vehicle	140	3,190
Children playing in street	650	34,850
At work in road.....	500	7,840
Riding or hitching on vehicle	120	3,490
Coming from behind parked car	890	38,910
Walking on rural highway	2,270	11,330
Not on roadway.....	310	7,550
Miscellaneous	290	4,350
TOTAL.....	12,500	290,400

Table 6—Sex of Drivers

	Drivers in Fatal Accidents	Drivers in Non-Fatal Accidents
Male	33,870	1,241,080
Female	2,710	133,320
TOTAL.....	36,580	1,374,400

Table 7—Age Groups of Drivers

	Drivers in Fatal Accidents	Drivers in Non-Fatal Accidents
Under 18 years.....	1,100	23,370
18 to 24 years.....	9,880	327,110
25 to 64 years.....	24,390	997,810
65 and over.....	1,210	26,110
TOTAL.....	36,580	1,374,400

Table 8—Operating Experience of Drivers

	Drivers in Fatal Accidents	Drivers in Non-Fatal Accidents
Less than 3 mos.....	290	9,620
3 to 6 months.....	260	12,370
6 to 12 months.....	510	19,240
1 year or more.....	35,520	1,333,170
TOTAL.....	36,580	1,374,400

Table 9—Weather Conditions Prevailing

	Fatal Accidents	Non-Fatal Accidents
Clear	26,940	748,520
Fog	660	13,590
Rain	3,050	111,470
Snow	750	32,620
TOTAL.....	31,400	906,200

Table 10—Road Conditions Prevailing

	Fatal Accidents	Non-Fatal Accidents
Dry	24,400	643,400
Wet	4,840	161,300
Snowy	810	30,810
Icy	1,350	70,690
TOTAL.....	31,400	906,200

ILLINOIS SCENERY

Some Rugged Country of Interest To Tourists

The front cover illustration depicts one of the rugged trails, Mississippi Palisades State Park, which we are enabled to present to our readers through the courtesy of the Illinois State Planning Commission. In previous articles we have told you that while Illinois is a prairie state it nevertheless offers much rugged scenery worthy the attention of tourists. In addition to this are many points of historical interest. The Mississippi Palisades State Park, shown on the front cover is in Carroll county, north of Savanna, on state highway 80. Among other state parks are Pere Marquette, Jersey county, state highway 109; White Pines Forrest, Ogle county, state highway 2; Starved Rock, LaSalle county, state highway 7; Buffalo Rock, LaSalle county near United States highway 6; New Salem, state highway 123; Black Hawk, Rock Island county, state highway 67; Fort Massac, Massac county, state highways 45 and 145; Cave-in-the-Rock, Hardin county, state highway 140; Fort Chartres, Randolph county, state highway 155; Giant City, Jackson and Union counties, United States highway 51.

These are only a few of the parks. The last mentioned is probably the most near-mountainous in the state and is frequently referred to as the Illinois Ozarks.

There is much of early historical interest in the south portion of the state, because of its having been the crossroads of early migration from the south and the fact that Illinois' first capital was in that section, and because of its historical association with Rogers' and Clark's activities.

Will Break All Records

Cotton consumption if continued at the present rate will break this year all existing records for the season. The Department of Commerce estimates that the year's consumption may exceed 8,500,000 bales. The highest previous record was established in the 1936-1937 season when, just under 8,000,000 bales were used. Exports meanwhile have dropped to the levels of sixty-odd years ago.

"Won't your hubby make a fuss if he sees you sitting on my lap?"

"Listen, you're as hard as nails, aren't you?"

"Sure."

"Then it's all right. He told me to go and sit on a tack."

KID JOKES



HOT ONE

"Mamma, am I descended from a monkey?"

"I don't know, son. I never knew any of your father's people."

LEARNING FAST

Small Boy (to visitor): "Have you got a wife?"

Visitor: "No, I haven't."

S. B.: "Then who tells you what to do?"

GOOD BAROMETER

"Daddy, I just killed five flies, two male and three female."

"How do you know that's what they were?"

"Two were on the writing table and three on the mirror."

HAD LICENSE TO

Bobby: "Why doesn't baby talk, father?"

Father: "He's too young yet—babies never do."

Bobby: "Oh, yes they do. Job did. Just the other day I read in the Bible how 'Job cursed the day he was born.'"

DRESS REHEARSAL

Mother: "Ellen, why are you shouting? Why can't you be quiet like Willie?"

Ellen: "He's got to be quiet the way we're playing. He's papa coming home late and I'm you."

WHAT DID MAMA MEAN?

Mother: "Tommy, your father tells me you called him an old fool. Did you?"

Tommy: "Yes, mummy."

Mother: "Well, Tommy, I'm glad you're truthful, anyway."

CRITICAL

Grandma: "Doesn't that little boy swear terribly?"

Grandson: "He sure does, but don't put no expression in it at all."

MORNING PRAYER NO. 1

First Boy: "Do you folks have family prayers in the morning?"

Second Boy: "No, we say our prayers at night. We ain't afraid in the daytime."

KNEW BETTER

Teacher (pointing to a deer at the zoo): "Johnny, what is that?"

Johnny: "I don't know."

Teacher: "What does your mother call your father?"

Johnny: "Don't tell me that's a louse!"

HARD TO FIND

"Mother, can I go out to play?"

"Yes, daughter, but not with little boys, they're too rough."

"But, Mother, if I can find a nice smooth little boy, can I play with him?"

READY WITH CHAWIN

Elderly Lady: "You don't smoke cigarettes do you little boy?"

Kid: "No, ma'am, but I can give you a chew t'backer."

LET THAT BE A LESSON

Father: "Why were you kept in at school?"

Son: "I didn't know where the Azores were."

Father: "In the future just remember where you put things."

BISHOP BEST LAYER

Curate's small daughter: "My hen's laid an egg!"

Vicar's smaller daughter: "My hen's laid lots of eggs."

Bishop's small daughter: "That's nothing. My father laid a corner stone."

Magistrate: "So you broke an umbrella over your husband's head. What have you to say?"

Wife: "It was an accident, Sir."

Magistrate: "How could it be an accident?"

Wife: "Well, I had no intention of breaking the umbrella."

You ARE LIKE Water:



IF YOU DON'T KEEP MOVING FORWARD YOU GROW STAGNATE AND STALE. KEEP ABREAST OF THE BEST PRACTICES IN YOUR PROFESSION.

The American Water Works Association IS YOUR OPEN HIGHWAY TO INVALUABLE PRACTICAL AND SCIENTIFIC KNOWLEDGE

Read these letters on "What Attendance at the Annual Meeting of the A. W. W. A. Has Meant To Me"

BY R. L. DOBBIN

Peterborough Utilities Commission
Hydro-Electric, Water Works and Gas
Peterborough, Canada

From a background of over twenty-five years of continuous attendance at the Annual Conventions of the Association, I have this to say:

FIRST: It has meant an acquaintance with the leaders of the profession which has strengthened me in my work at home.

SECOND: It has meant the rubbing of elbows with the rank and file of the members, those wholesome and efficient fellows who are doing the actual work in many thousands of waterworks plants, and the informal chats with them, resulting in that exchange of experience which is so valuable.

THIRD: It has meant the opportunity to contribute a paper or two and to take part in the discussions of other papers, thus doing my small part to help the other waterworks operator who may have similar problems.

FOURTH: It has meant visits to most of the larger cities of the Continent, and a consequent broadening of vision and appreciation of national and international problems.

FIFTH: It has meant the privilege of examining every year, an exhibit of the latest in waterworks equipment and supplies, and the contact with the finest group of salesmen on the continent.

SIXTH: It has meant to me especially, the friendship of a lot of grand neighbours, whose kindly interest and regard has helped so much.

FINALLY: It has meant so much to me that I trust I will never have to miss an Annual Convention.

BY W. V. WEIR

St. Louis County Water Co.
University City, St. Louis

Attendance at the Annual Meetings of the A. W. W. A. has meant two things to me—Education and Incentive.

The excellent periodicals and the A. W. W. A. Journal ably present the work being done in the water works field, but cannot give the whole story. Only by discussing, in and out of Convention meeting rooms, the work of these authors with the men themselves is it possible to correlate their findings with my problems.

The exhibits offer a quick education regarding developments in our field. While these are commercial exhibits, they are really brain children of men having problems similar to mine which they have solved with new equipment or processes practical enough to warrant offering to the water works field.

A fellow feeling, an interest in your problems, and a sincere desire to help you solve them, are activating motives of the A. W. W. A. Take advantage of these purposes. Attend the 61st annual Convention at Royal York Hotel, Toronto, Ontario, June 22-26. Address Harry E. Jordan, Secretary, 22 E. 40th Street, New York City, or Joseph M. Wafer, Chairman Attendance Promotion Committee, New York Central Bldg., 230 Park Avenue, New York.

BY A. R. TODD

Chemist and Superintendent of Purification
Wheeling, W. Va.

Attending A. W. W. A. meetings always has given me a feeling of real inspiration because of the opportunities these gatherings afford to share in the thought of the best minds of our profession. From a practical standpoint, what could be more worthwhile than the self-improvement that comes through meeting such able and distinguished speakers as those who regularly grace our programs, and to be made acquainted, first-hand, with their seasoned judgment and experience?

Speaking personally, I have found our meetings an annual post-graduate course in the steadily advancing developments in the water works field. I feel that each one has added to my knowledge and made me more valuable to my employers. I have learned and profited through the manufacturers' displays and kept up-to-date on equipment and mechanical operations. I can conceive of no better way—certainly, no more convenient way—of keeping in step with the progress of our times and our work.

Meetings of the A. W. W. A. have still other advantages. Balancing the serious side are the social diversions. The entertainment program has never once failed to provide welcome relief from the cares and worries of laboratory and office. It would be a unique experience, indeed, to meet anyone attending our meetings who might say that he was not both rested and refreshed.

You'll never find a more congenial group, a more helpful and progressive lot of men, than the A. W. W. A. membership.

Yes, attending an A. W. W. A. meeting is well worth while, remembering, above all, that men like water, must keep moving onward if they would avoid becoming stagnant and stale.

Each of us needs incentive if we are to produce and enjoy doing so. The annual mental proddings I receive at each Convention provide the stimulus to make fresh attacks on old problems. By hearing and discussing the other fellow's problems I become aware of similar problems which exist or will exist for me, and am challenged to solve them creditably. Fellowship with other men, as, or more capable than I, renews the challenge to accomplish more in this service industry; to strive to advance in my profession.

Education, incentive and Convention attendance will enable me to widen the gap between what I am paid and what my services are worth. I hope my pay never equals my worth, but I also hope Fortune doesn't allow the gap to become too wide.

(Continued from page 22)

he was again in the Virginia legislature, which elected him governor and then entered the United States senate. When he became president he had a turbulent time, being at loggerheads with congress a good part of the time, because of his inability to agree. He had retained the cabinet named by Harrison but his party disclaimed him and the cabinet resigned, except Webster, who remained because he was anxious to complete the Ashburton Treaty. Six members of congress constituted themselves as his defenders. The Whigs apparently endeavored, unsuccessfully, to force him to the point where impeachment proceedings would be in order. Tyler's administration and general course have been severely criticized, but his principles were generally known at the time of his nomination on the Harrison ticket and he was chosen for those principles. His record proves him a man of ability, though seemingly out of harmony.

■ ■ ■

(Continued from page 26)

mit to authority to have a voice in their own governments, for the rights and liberties of small nations, for a universal dominion of rights for such a concert of free people as shall bring peace and safety to all nations and make the world itself at last free."

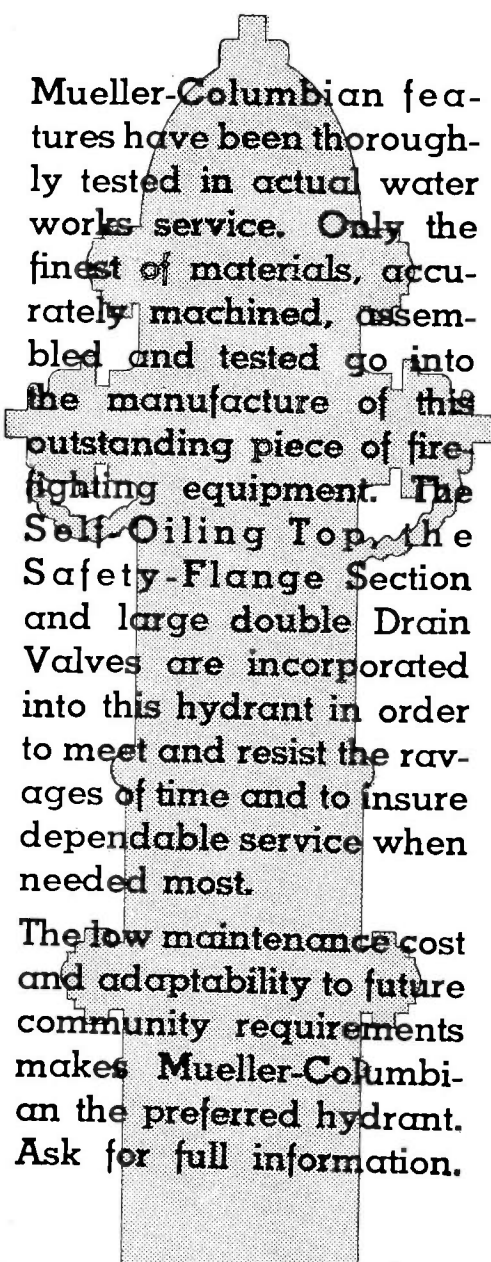
Again before the American Federation of Labor Nov. 12, 1917—

"Let us show ourselves Americans by showing that we do not want to go off in separate groups by ourselves, but that we want to cooperate with all other classes and all other groups in a common enterprise which is to release the spirits of the world from bondage—that is the meaning of democracy."

In this connection the opinion of a famous preacher, Dr. Harry Emerson Fosdick, on democracy, is of interest.

Primarily, democracy is the conviction that there are extraordinary possibilities in ordinary people and that if we throw wide the doors of opportunity so that all boys and girls can bring out the best that is in them, we will get amazing results from unlikely sources. Shakespeare was the son of a bankrupt butcher and a woman who could not write her name. Beethoven was the son of a consumptive mother, herself daughter of a cook, and a drunken father. Schubert was the son of a peasant father and a mother who had been in domestic service. Faraday, one of the greatest scientific experimenters of all time, was born over a stable, his father an invalid blacksmith and his mother a common drudge. Such facts as these underlie democracy. That is why, with all its discouraging blunders, we must everlastingly believe in it.

STURDILY BUILT TO ENDURE THE YEARS



Mueller-Columbian features have been thoroughly tested in actual water works service. Only the finest of materials, accurately machined, assembled and tested go into the manufacture of this outstanding piece of fire-fighting equipment. The Self-Oiling Top, the Safety-Flange Section and large double Drain Valves are incorporated into this hydrant in order to meet and resist the ravages of time and to insure dependable service when needed most.

The low maintenance cost and adaptability to future community requirements makes Mueller-Columbian the preferred hydrant. Ask for full information.

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CHATTANOOGA, TENN.

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This is an appealing combination to you as a master plumber—and to your judgment as to seasonal possibilities. Thousands of persons want a shower bath, but they fear the expense. They think a shower means a complete remodeling of the entire old bath room.

That time has gone forever. Mueller engineers solved the problem with the Mueller Adapto Shower, which makes possible this valuable addition with no other overhauling.

THE ADAPTO SHOWER fits any style tub. The price is extremely reasonable—it may be installed in two hours time. Neat in appearance—efficient in operation—lasting in service. It is a boon to any owner who wants a shower in addition to the tub already installed. The strong appeal of Mueller Adapto Shower is its reasonable price and its quick and easy installment with no defacement of walls.



H-5079

Every owner with a tub, but without a shower, is a potential prospect. These owners constitute a productive field of business that has scarcely been scratched.

A WORD TO PROGRESSIVE PLUMBERS

You have a fine opportunity for new business with Mueller Adapto Shower. Bring it to the attention of your clients—tell them of the enjoyment, service, and satisfaction it will give the entire family—all for a small expenditure. We unhesitatingly recommend Mueller Adapto Showers for bath rooms with tubs but too small for a stall.

It is especially saleable to apartment houses and hotels—so desirable and so good that Chicago's Great Palmer House installed approximately 1900 Mueller Adapto Showers several years ago—a strong arrangement to present to any hotel prospect.

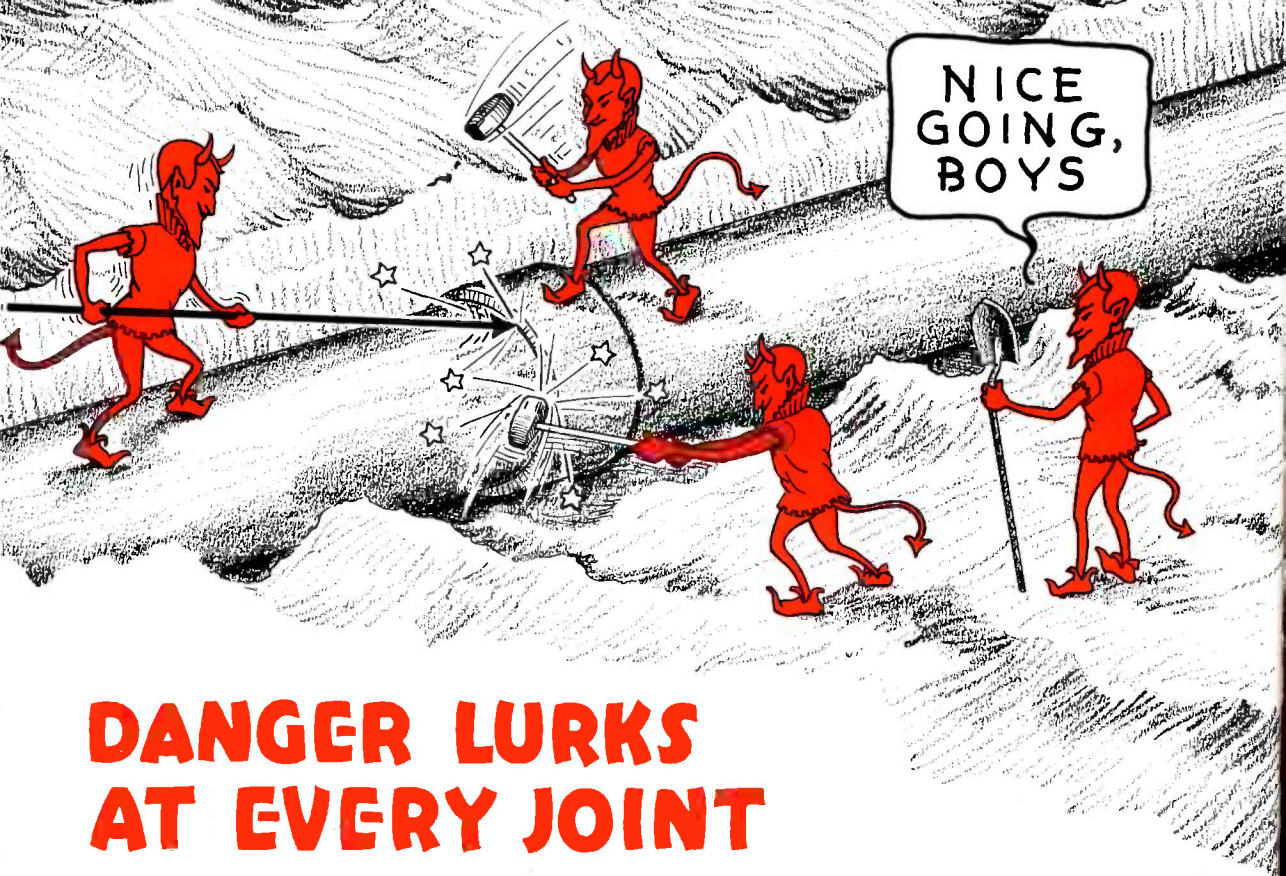
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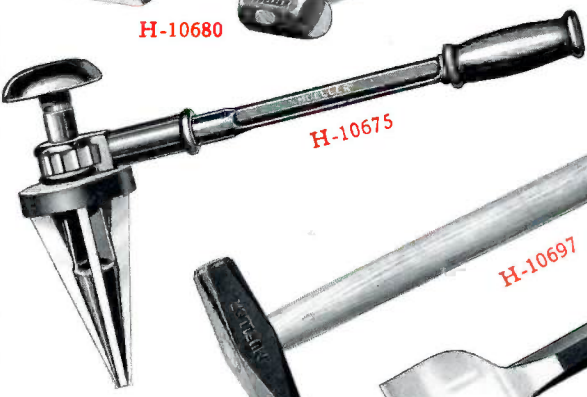
DANGER LURKS AT EVERY JOINT



You can rely upon Mueller Calking Tools to eliminate the dangers and expense from improper calking. Each tool is designed and manufactured for its particular use after careful field study of the requirements of the trade. Used in the hands of either your best or your mediocre workmen, you will find that these tools eliminate make-shift and inefficient methods—the work is done faster, the finished job is neater and better, and your cost is lower.



H-10680



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