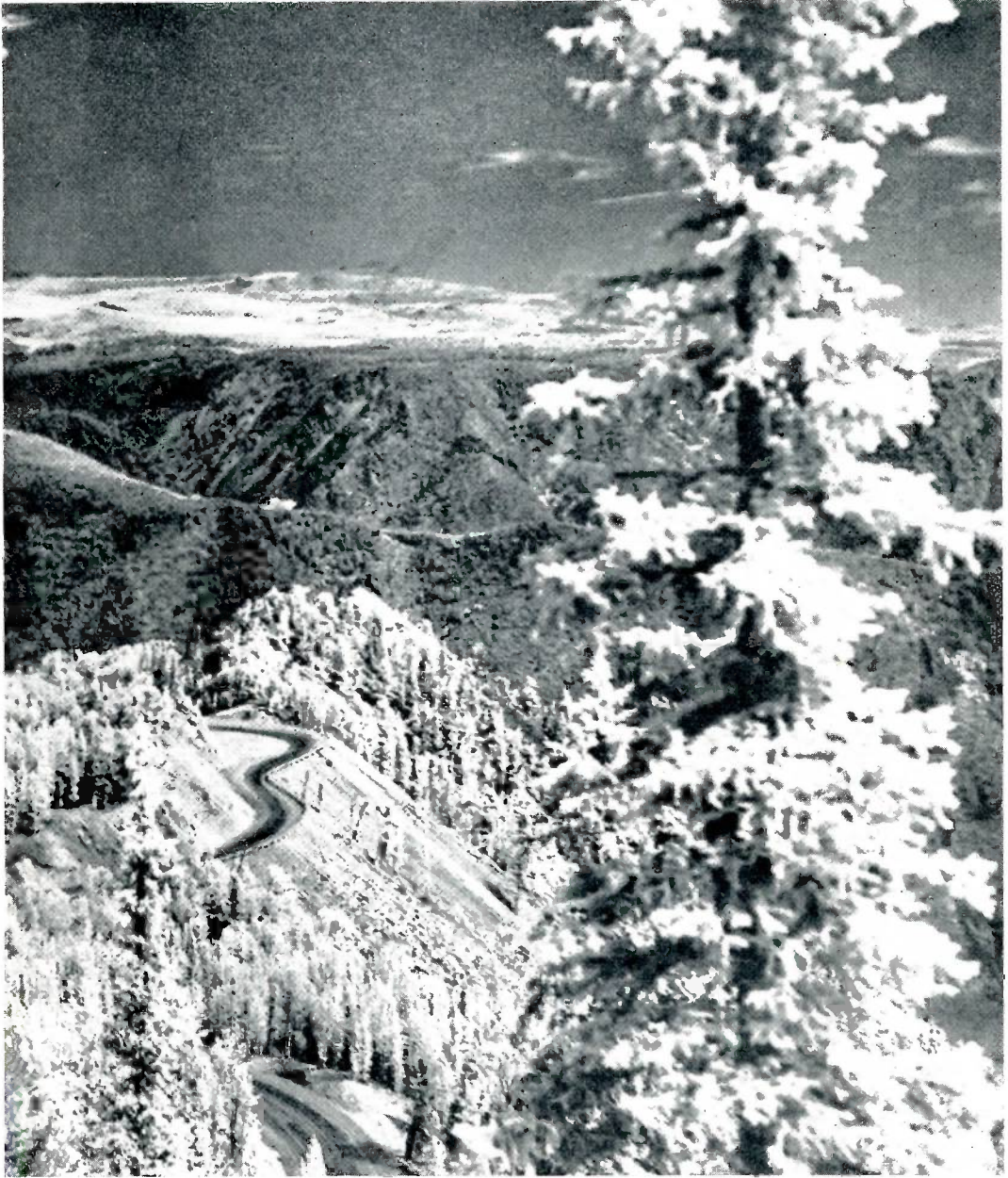


# MUELLER RECORD

PUBLISHED AT DECATUR, ILLINOIS

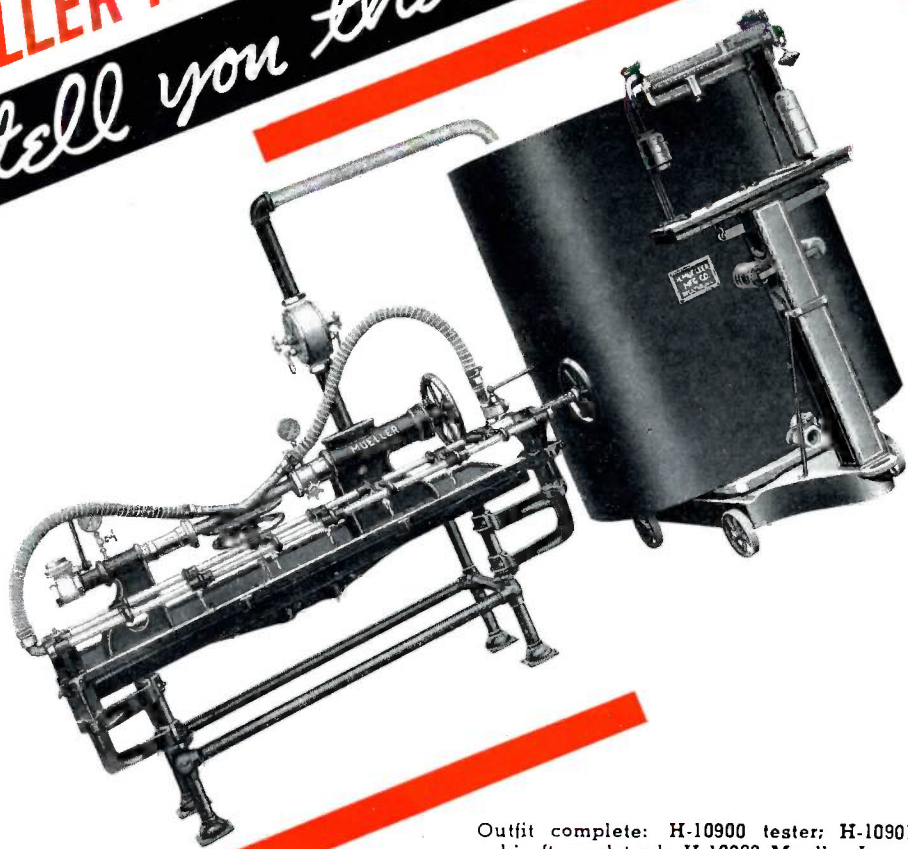


*Courtesy Northern Pacific Ry.*

*A Winter Scene in Beartooth Mountains showing the Mae West Curves  
in the New Red Lodge Highway.*

JANUARY, 1940

Let the  
**MUELLER METER TESTER**  
 tell you the truth!



Outfit complete: H-10900 tester; H-10901 40 cubic ft. oval tank; H-10902 Mueller Improved Scale.  
 Equipped with special attachments H-10900 tests meters up to 12 inches.  
 Sizes: Tester 5' 6" long by 23½" wide. Tank 28¼" wide, 53¾" long, 56½" high.

Mechanically accurate, this meter tester tells you definitely THE INACCURACIES in water meters. Most factors affecting meters cause them to under register. Every gallon of water not registered is eating into your revenue. Study these figures showing the possible magnitude of this loss.

Diameter of stream.....	1/32"	1/16"	1/8"	1/4"	1/2"
Gal. per hour at 40 lbs. pressure.....	7½	30	150	375	1350
Gal. per month at 40 lbs. pressure.....	5400	21,600	108,000	270,000	972,000

There is only one way to determine the condition of a meter — that way is by testing with a reliable and responsible mechanical device.

Mueller testers have saved thousands of dollars in revenue by showing up inaccurate and defective meters.

They will do the same good work for you.

Let them help increase your revenues in 1940 over 1939.

**MUELLER METER TESTERS HAVE MADE GOOD IN BIG AND LITTLE PLANTS.**

Write for Complete Information

1857

**MUELLER CO. Decatur, Ill.**

**DEPENDABLE SERVICE ALWAYS**

1940

<p style="text-align: center;"><b>OFFICERS</b></p> <p><b>ADOLPH MUELLER</b> Chairman of Board and General Manager</p> <p><b>WILLIAM E. MUELLER</b> President and Treasurer</p> <p><b>ROBERT MUELLER</b> V. P. in Charge of Pub. Rel.</p> <p><b>LUCIEN W. MUELLER</b> V. P. and Works Manager</p> <p><b>J. W. SIMPSON</b> V. P. in Charge of Sales</p> <p><b>J. W. WELLS</b> Secretary</p> <p><b>R. H. MUELLER</b> Chief Engineer</p> <p><b>FRANK H. MUELLER</b> Director of Research and Development</p>	<p><b>MUELLER RECORD</b></p> <p>PUBLISHED AT DECATUR, ILLINOIS BY MUELLER CO.</p> <p>Plumbing, Water and Gas Brass Goods 83rd Year in Business</p>	<p><b>MAIN FACTORY AND OFFICE</b> Decatur, Illinois</p> <p><b>PACIFIC COAST FACTORY</b> Los Angeles, Calif.</p> <p><b>COLUMBIAN IRON WORKS</b> (Hydrant and Valve Division) Chattanooga, Tenn.</p> <p><b>CANADIAN FACTORY</b> MUELLER, LTD. Sarnia, Ontario</p> <p><b>BRANCHES</b> New York, San Francisco</p>
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Vol. XXIX

JANUARY, 1940

No. 280

## NEW YEAR'S



We face another New Year. In sunlight and clouds, in length of days and nights, it will be the same as all years have been in centuries numbered with the past. From the year left behind, 1940 will differ only in the fact that the quadrennial leap year gives up an extra day—that's an extra day to seize and make the most of opportunities. It will be a new and profitable year to those who recall neglected opportunities of the past and use their experience to advantage. Otherwise it will be just another year.

Some of the known highlights of 1940 can already be anticipated. The presidential election wherein it will be decided whether it is to be one, two, three and out or whether it will be one, two, three and in, breaking all precedents. Then it will be leap year, and the decennial census will be taken, war will engage world attention, and the days will bring the usual catastrophies. Whatever the year brings we should meet it with a smile. Turning your face to the weeping-wall and bemoaning the days that are gone is a waste of time and tears. Better brace up the old spine and make the most of what old Father Time offers you — he's got the Indian Sign on us, and you got to take it or leave it. Get the right philosophy and wade in with the best fight you can put up. Remember if the situation you rightly scan, you will find it's not the times to blame but the man, and that there is a season and a time for every purpose under the heaven. Time's hour glass still runs gold-dust. To get your share of it you should invest your efforts as you would your money in an enterprise, avail yourself of each opportunity which presents itself to you and get the most out of it. Above all make time

your SERVANT and not your master. The hour glass is useless without SAND, and so is a man.

### A Gentleman—Resolve To Be One

*A kindly heart.*

*A quiet voice.*

*Polite words and manners.*

*A hand ready to help.*

*Attention to the little things for the comfort of others.*

*Freedom from anger, boasting and patronizing.*

*Towards the strong—courage;  
towards the weak—chivalry;  
towards all men—fairness.*

### FOREIGN TITLES NOT PROHIBITED

There is a quite general belief that a citizen of this country cannot accept a title of nobility from a foreign country. This is erroneous. There is nothing in the constitution forbidding this. Therefore an American may accept a title if he can make necessary arrangements. He must, however, swear allegiance to the country conferring the title and in doing this he sacrifices his American citizenship.

### Shoe Pegs

Shoe pegs were previously largely used for fastening on soles. They were invented by Joseph Walker of Hopkinton, Massachusetts, about 1818. Before that period all shoes were sewed. Curiously enough the pegs took the place of sewing, and now sewing by machines has practically displaced pegs.

## ANCIENT AND MODERN

### Rome's Public Baths Were Gorgeous But Our Private Baths Suit Us

The desire for bathing is a natural instinct of humans and animals, but the art of bathing in comfort and luxury is reserved for the human family. Water works, plumbing and sewerage are the "three graces" which made possible this development. Without these "three graces" we would today be bathing in polluted streams, puddles, and oozy water, providing we bathed at all.

This would be unhealthful, unsatisfactory, uncleanly, and perhaps embarrassing, as it proved to be to the young lady who was strolling through the woods and came to a pretty little stream. Deciding to take a dip, she disrobed and waded in. Looking back she met the gaze of some impish small boys.

#### "Ornery Little Brats"

Rushing from the water she grabbed an old rusty tub on the bank and held it before. "You ornery little brats, do you know what I'm thinking?"

"Yes," was the reply, "you think there is a bottom in that tub, but there ain't."

The Jews, Mohammedons, and Buddhists observed bathing as a rite. It was something of a religious ceremony. The Pentateuch and Koran are full of references to bathing. As time moved on and bathing came to the Greeks and Romans, there was a marked increase in the bathing habit, but bathing in those times, it would seem, was as much a social gesture as a desire for cleanliness. The baths were assembly places for the citizenry. They were largely lounging places. The baths of Herculaneum, and Pompeii, in addition to those built by Caracalla in Rome, are examples of the most enduring workmanship of those times. Caracalla's baths provided accommodations for 2,000 bathers.

These conditions have all changed with the perfection of plumbing and bath tubs. The average family today has within their own home such bathing facilities never known to "Rome in all her glory." Their public baths were marvels of beauty but who wants a public bath.

The editor says the young lady who sighs for days "when knights were bold"

is apt to forget one serious drawback of the glamorous past — the lack of adequate plumbing.

## QUAIL AND THE BIBLE

### Minister Sued For Alleged Irresponsible Statements

Those gentlemen skillful at figures and who write and speak in billions, trillions and other incomprehensible numbers at least intrigue our curiosity, even though we shamelessly admit that we don't know what its all about—and few others do.

Here is the last one to make the front page. His name is William Floyd, a retired real estate dealer, New York.

He has sued Dr. Rimmer, a Presbyterian clergyman for \$1,000. The doctor let the world know in an advertisement that he would pay \$1,000 for a scientific error in the Bible.

Accompanying his petition Floyd said he was not interested in the money but wanted to force Dr. Rimmer to stop making irresponsible statements about the Bible.

#### Just For Fun

Dr. Rimmer is head of the Research Science Bureau, investigating the antiquity of man and the origin of the Bible. He says his advertisement was offered mostly to arouse interest.

Floyd's petition set forth this story of the quail in the Book of Numbers as a scientific error.

The Biblical account, Floyd said, told of a camp measuring "a day's journey" each side of which was hemmed in by a flock of quail which blew in on the wind and fell to the ground to a height of two cubits. Campers gathered the quail.

#### Digest These Figures

Floyd said that would have been 305,288,552,448 cubic feet of quail, which, allowing 27 cubic inches per quail, would have amounted to more than 19 trillion birds.

Records showed, he said, that there were 2,414,200 persons in camp who gathered quail for 36 hours. Floyd said that each person would have had to gather 83 quail a second.

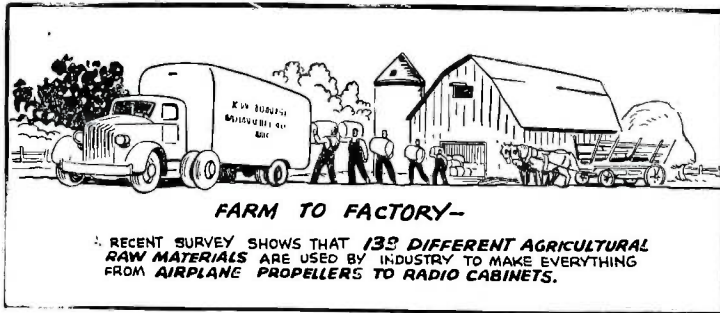
■ ■ ■

#### How To Be Wealthy

Life is short—too short to get everything. Choose you must, and as you choose, choose only the best—

In friends, in books, in recreation, in everything.—Anon.

# MOTOR TRUCK ON THE FARM



The motor truck has grown in importance to the farmer. Not only does the motor industry use enormous quantities of agricultural products, but it provides a means which makes the farmer master of the transportation of many of his products. They not only deliver their grain to distant elevators, but they deliver livestock direct from the farm to the meat packing centers. In Central Illinois it is now a common sight to see a truck loaded with cattle heading for Chicago or St. Louis. The state fair and livestock show afford him additional opportunities to quickly and safely deliver valuable stock to destination. This is generally done in less time than possible to ship in any other way. In case of an over night trip the driver of the truck and helper can give better and quicker care to the livestock than when shipped by rail.

On the other hand the auto industry is a good customer of the farmer either directly or indirectly. It is stated that every million cars produced require the products from a half million acres of farm land.

Listed below are some of the farm products used for cars and the purposes to which they are applied:

For every million cars:

Sixty-nine million pounds of cotton for tires and brake linings.

Five hundred thousand bushels of corn for alcohol and starch.

Three million two hundred thousand pounds of wool for upholstery, floor coverings, lubricants, and antirust preparations.

Two million pounds of turpentine for paints and adhesives.

Sixty-nine million pounds of rubber for the several hundred parts it forms in every car.

One hundred and twelve million feet of lumber for packing and numerous other purposes.

This does not begin to cover the list. Soy beans constitute another big item, the demand for which is growing each year.

## FIRST VAUDEVILLE THEATER

Was Established In Boston 1883—  
Start of Weber and Field

The name of Weber and Field is known to all lovers of vaudeville, and they were in it from the start according to an interesting bit of news concerning the beginning of vaudeville in the United States. This phase of theatrical entertainment was originated in Boston in 1883 when a former circus performer, Benjamin Franklin Keith, opened a small museum in a vacant candy store next to the old Adams House in Washington street. He called it the Gaiety Museum. The principal attraction was Baby Alice, a midget weighing one and one-half pounds. Then he had an ancient stuffed mermaid, which in former days was considered an actual denizen of the sea. As business improved he added a bevy of Circassian beauties, off setting this with a chicken with a human face. About this time Keith found something really worthwhile in the persons of Weber and Field, who have since made people laugh at their stage pranks for more than a half century.

### Babbitt Metal

Babbitt metal is so called after the man who invented it, Isaac Babbitt, a native of Massachusetts. The metal was invented and patented in 1839.

It takes about a mile of wire to make an average window screen.

The office clock may not lose time but those who watch it do.

# FOUR DEER AND A BEAR ❖ ❖



We have a lot of hunters in our Decatur plant, but they confine themselves to small game—pheasants, duck, quail, squirrels, doves, but in our plant — Mueller, Ltd., Sarnia — we have some successful big game hunters who bring home deer, yes, and bear. The accompanying picture upholds the claim and a note from our Sarnia office tells the story briefly:

“Here we have a snap showing some of the results of a successful hunting trip. Members and friends of Marjory Ansell’s family in the office happened to be the lucky folk. They spent several days hunting at Stokes Bay, Bruce Peninsular and shot four deer and one two hundred pound grizzly bear.”

The four deer may be seen in the picture. The locality of the hunt is noted for game and fishing.

■ ■ ■

## WE STAND CORRECTED

### Attention Called To Game In Wisconsin We Give Honorable Mention

We are in receipt of the following interesting letter.

November 27, 1939.

Mueller Record,  
Decatur, Illinois.  
Gentlemen:—

Our department reads your Record with a great deal of interest, but the few remaining hair on my bald head bristled when I read your article “JOHNNY GET YOUR GUN” in the September issue, where you enumerate game to be found in a great many states, and completely failed to mention the great state of Wisconsin. Our wonderful state at least should have honorable mention as the U. S. biological survey

of 1938 credits us with 324,000 white tailed deer and 2000 black bear.

110,000 deer tags were sold this year. In 1938, 32,855 buck were killed in seven days by 103,721 hunters.

I would also like to mention that 181,141 pheasants were distributed from our State Experimental Game & Fur Farm at Poynette. Now don’t you think we at least deserve honorable mention?

Very truly yours,

CHAS. E. LENTFOEHR,

Supt. Water Department.

Yes sir, we think your state deserves honorable mention. In fact we think it’s entitled to a bunch of flowers fresh from the hot house and then a bunch of verbal nosegays. It’s a great state, rich in resources, beautiful in scenery and inhabited by progressive and hospitable people. We know because we have driven through it, admired its rivers, parks, lakes, bluffs and all of nature’s handiwork so lavishly bestowed on that great commonwealth. Just how we happened to overlook the game which still abounds there we cannot explain, but pleased to give the facts as supplied to us.

■ ■ ■

### Information Please

Hotel Guest (phoning down at 2 a. m. for the third time: “Say, are you the night clerk?”

Crabbed Clerk: “Yes; what’s biting you now?”

Guest: “That’s what I’d like to know.”

■ ■ ■

“I suppose you carry a memento of some sort in that locket?” said one woman to another.

“Yes, a lock of my husband’s hair.”

“But your husband is alive.”

“Sure; but his hair is gone.”



# College Humor



## Wrong Shirt

First Stude: "I failed in my history examination."

Second Stude: "But I thought you had all the answers written on your cuff."

First Stude: "So I had, but by mistake I put on my geography shirt."

## Easy Way Out

Young Co-ed: "Oh, Dad, I've just discovered that the girl who sits next to me in Bio. has a hat exactly like mine."

Father: "So I suppose you want me to buy a new one?"

Co-ed: "Well, darling, that would be cheaper than changing schools."

## Not Without Talent

Helen: "I don't see why he dates her—she's a terrible dancer."

Mary: "No, she can't dance, but she sure can intermission."—Chapparral.

## Such Ignorance

Girl: "What does 'davenport' suggest to you?"

Boy: "A city in Iowa?"

## Zephyr Heifer

"What made you beat up that guy?"

"He insulted my girl."

"Why, all he said was that she danced like a zephyr."

"I thought he said heifer."

## Two Hard Ones

"I'd like a couple of hard-boiled eggs to take out."

"All right, but you'll have to wait. Me and Mamie don't get off until 10."

## Ki-Yi-Yip!

First Boa: "Whatja swallow that dog for? Didn't you just have a rabbit?"

Second Boa: "Yes, but I felt like I wanted a chaser."

## Not On Your Topknot

Prof.: "Decline 'love', Miss Jones."

Miss Jones: "Decline love, professor. Not me."

## High Pressure

She: "Thanks for the hug."

He: "Oh, the pressure was all mine."

## The Truth About Molly

Molly had a little dress,  
A pink one—rather jolly.

It didn't show the dirt a lot,  
But, gosh—it did show Molly.

## Dirty Dig

First nurse: "There's a patient in my ward that hasn't tried to make love to me."

Second nurse: "Yeah, one of mine is still unconscious, too."

## Enough Said

A Persian pussy, perfumed and fair  
Strolled out of the kitchen door for air;  
Her story, briefly, if you wish  
Was that she was feeling kittenish.

## Stern Reality

"Why is a bustle like a historical romance?"

"I'll bite."

"Both are fictitious tales, based on stern reality."

## Maybe At Night

Prof.: "Have you been through calculus?"

Frosh: "Not unless I passed through at night on my way here. I'm from Kansas, you know."

## Pa's Against Hanging

"If you don't marry me, I'll take a rope and hang myself in your front yard."

"Ah, now Herbert, you know Pa doesn't want you hanging around."

—Yellow Jacket.

## Quick Action

"I'm forgetting women."

"So am I. I'm for getting a couple as soon as possible."

■ ■ ■

"A man's true wealth is the good he does in the world."

# I'M TELLIN' YOU

©A.C.S.



● "Where does gasoline come from" asked the Sweet Young Thing next door. Always willing to diffuse our knowledge gained from long years of reading, reinforced by a cultivated habit of observation, we answered her question without a moment's hesitation, "Why, my dear, from the pumps at the filling station."

And she answered back: "Can you imagine anyone as dumb as I am?"

Lacking further plan to edify the untutored child, we said: "I shall send you a nice book for Christmas to aid you in improving your mind."

"Oh, goody! Tell me what's it's name."

With no intended sarcasm, we answered: "Mother Goose's Rhymes."

● What we wonder at is what's going to happen to Admiral Byrd's snow cruiser when it reaches the hummocks of ice and slippery snow of the Antarctic regions, curiosity being accelerated by its lumbering trip from Chicago to Wilmington, Delaware, and its habit of going into ditches and off bridges.

● A British savant says that 700,000 gestures can be made with one arm and hand. Bet the man that can do it answers to the name of Skininski.

● A woman juror in Chicago, one of the first under a recent law, signed a verdict, and then changed her mind when the jury was polled. The "Oh, Wise and Upright Judge" declared it a mistrial. He recognized woman's prerogative to change her mind if she wanted to.

● Dr. Robert W. Keeton, University of Illinois, says there are more fat women than men, and now we know why more women diet than men.

● We note with interest that the panda on the way to the Chicago zoo will be the last, because of an embargo placed by China on further shipments. We knew those Chinese would get even with us some day for passing a Chinese exclusion law.

● Damon Runyan took a poll of 21 women and found that 17 of them would rather be Mrs. Roosevelt than any woman in the United States. He should get the doctor to Gallup over the United States, and see if the percentage holds good. Probably would.

● The tires for Admiral Byrd's snow cruiser weigh 700 pounds each. How would you like to change one unaided on a night with temperature at zero and no tools except a screw driver and a monkey wrench.

● The hotel manager who wrote to us and said: "The shower head has been put in use, and wish to say I've seen nothing yet to compare with your new head. It's really tops, believe me. I plan to install your new shower head in all of my shower baths." Thanks, Mr. Hotel Manager.

● Changes like chickens come home to roost. F. D. R. and the first lady of the land, in consequence of his Thanksgiving arrangements, ate their turkey at Warm Springs, Georgia, November 23. Son Jimmy rapped out a "two legger", eating his first drum stick in Washington, D. C., on the same day and then hopped to "second base", Nahasset, Massachusetts, for the other drum stick November 30. Son Elliot followed Jimmy's hitting streak. Texas had two legal Thanksgivings—the one decreed by F. D. R. and the other by the governor of Texas, and thus the divided dinners ran on. Let's see, what was that Lincoln said about a divided house. Oh yes, "A house divided against itself cannot stand."

● "Ozark" Ripley, sportsman, hunter, etc., lectured to the Decatur Sportsmen's Club and among other things told them that true sportsmen always gave game a chance to escape by flying or running. All this is very true but nevertheless, a small chance at that — if the sportsman is a good shot.

■ ■ ■

A savings account gives you confidence.

Contentment with little is true happiness.



## DOTTED WITH LAKES

### Finland Said To Have 100,000 of Various Sizes



Finland is dotted with lakes. The number is given at 100,000. They are not individual lakes, but rather chains of them connected naturally or artificially by canals. Many of these lakes are rocky basins filled with water. Some of these lakes are of vast size, while others are of small area, but practically any way you turn in Finland you are quite certain to not be far from an inland body of water. The larger of these lakes are Lake Ladoga, Lakes Saima, Enare, Kemi, Utea and Pajanne.

Much of the country's internal communication depends on these connected lakes and with the Gulf of Finland. These are navigable for about 3000 miles and floatable for a length of 29,000 miles.

Finland is not worried about too much water. In fact it appreciates it and looks forward to a time when all its needed power will be furnished by its thousands of streams.

Of course Americans have come to admire Finland as the one European debtor nation which pays what she owes us when the payment is due.

Here's a thought of interest about Finland. The literacy of that country is almost if not the highest in the world.

Since the above was written Finland made payment for this year, despite the fact that she is defending herself against Russia's brutal assaults.

## SCHOOL DAYS

### All Business

In a kindergarten class the teacher was having them play king and queen, court bowing, etc. Little Isadore had been chosen as king and was quietly sitting by the little girl queen.

Teacher: "Isadore, you should talk to the queen and not just sit there."

Isadore (turning to Queen): "Good-morning, Queen. How's business?"

### How About Single Ones

Teacher: "Just think! A single dolphin will have two thousand baby dolphins."

Little Girl: "Goodness! how many do the married ones have?"

### Entitled To Crown

A Sunday school teacher had been telling her class of boys about the crowns of glory they might wear in the hereafter.

"Now, boys, can you tell me who will get the biggest crown?"

"Yes, mum, 'Im wot's got the biggest 'ead'!"

### Right

Teacher: "Johnny, what is a cannibal?"

Johnny: "I don't know."

Teacher: "Well, if you ate your father and mother what would you be?"

Johnny: "I'd be an orphan."

### Willie On Genders

Teacher: "William, what are the two genders?"

William: "Masculine and feminine. The feminine are divided into frigid and torrid, and the masculine into temperate and intemperate."

### Hogs First

Doctor: "You don't drink milk?"

Boy: "Nope."

Doctor: "Live on a farm and don't drink milk at all?"

Boy: "Nope, we ain't got hardly enough for the hogs."

### Innocent

"Who drove the Israelites out of Egypt? —you!" he said, pointing to a small boy in the corner.

"'Twasn't me," replied the boy trembling. "I only came back from the country last week."

### Then Teacher Saw Stars!

Teacher: "What is a comet?"

Pupil: "A star with a tail."

Teacher: "Very good. Name one."

Pupil: "Mickey Mouse."

### Exonerated

Mother's Note: "Please excuse Jimmie for being absent — he has a new baby brother. It wasn't his fault."

### Non-Skid Waffles

Teacher: "Johnny! Can you tell me what a waffle is?"

Johnny: "Yes'm; it's a pancake with a non-skid tread."

### Wants Sex

Teacher: "How old would a person be who was born in 1890?"

Smart Kid: "Man or woman?"

## ALL RIGHT ALL WRONG

### Because There Is No Such "Animal" In The Alphabet

The seventeenth letter in the alphabet is Q. It looks like an O with a tail attached and when used in double harness has "u" for a trotting mate. All words beginning with "q" are followed by "u". We may not be correct etymologically, but there appears to be one good reason why, which is that "u" is the last vowel in the list commonly used. Its sound is that of "k" when the two letters are combined except in a few words. Its derivation goes back through a Greek alphabet to the Phoenicians which gives an ancestry not to be despised.

\* \* \*

The word "all-right" gives lots of trouble to many, but it should not because there is no such word, and it's useless to worry about anything so classified. Yet this word, or combined words, is in daily use. All is a very inclusive word, meaning the whole number of whatever one is speaking of. It forms over three hundred combined words according to a late Webster, but "all-right" is not in the list. The authorities of the Standard dictionary say the old English form was "alright" but obsolete now.

\* \* \*

Commenting on the spelling of the word with one "l" a writer on English says "it has crept into business usage in recent years but it never fails to shock the reader who takes his English seriously" and adds "the word 'alright' meaning 'all right', will doubtless become an accepted word." It is through long usage that words finally creep into the list of accepted words.

\* \* \*

There is another word perfectly acceptable but which should be put in the "alright" and "all right" classes if for not for any other reason than to save it from persistent misuse. This is the word "unique." It is an adjective meaning "the only one of its kind." It is used in the sense of "odd", "rare" and "unusual." Its meaning shows that it is incomparable but its application to anything and everything of which there are hundreds or thousands of the same class, shows that its meaning is not known by the users. Not satisfied with its misuse, there are many who emphasize erroneously with most and very.

The word "transpire" means one thing but is generally used to express an entirely different thought. Like many other words

it has thus been commonly misused until lexicographers with some limitations have accepted it. The latest Webster Collegiate dictionary gives this definition:

"Transpire; v. t. To exhale or cause to pass through the pores of a tissue or substance, as a gas or liquid.

"v. i. 1. To exhale, or be exhaled, as moisture, vapor, perfume, etc. 2. To leak out; come to light; become known. 3. To come to pass; happen, occur — a sense disapproved by most authorities but found in the writings of authors of good standing."

The Webster Unabridged goes a little bit farther as follows: "Transpire: v. i. To pass off as a vapor; insensible perspiration. To emerge from secrecy; to become known; leak out. To happen or come to pass (improper). Transpire: v. t. To excrete through the skin; to give off in the form of a vapor; perspire.

Therefore, if you wish to be very elegant in your speech, quit sweating and transpire.

■ ■ ■

## WALNUTS IN DEMAND

### Thirty Thousand Pounds For Planting In Iowa

Everywhere the question of reforestation claims attention. The vast forests of various trees which once flourished have been devastated in many sections. A half century ago walnut trees were found in all sections of the country, valuable for their fruit and valuable for lumber. Little attention was given to preserving them. They formed such a large part of natural resources that it seemed impossible to exhaust the supply and there was no systematic plan for conserving it.

#### Order For 30,000 Pounds

Today the supply of walnut trees is near to extinction, and efforts are now in progress to replace them. J. L. Chap, a local commission merchant, received an order for 30,000 pounds of walnuts and contacted sources of supply in Central Illinois. A local paper recently printed a picture showing Chap sitting on a part of the shipment of nuts. The pile of sacks reached 12 or 14 feet in the air and the weight of the nuts was 14,600 pounds.

#### To Grow Trees

They were being shipped to the soil conservation service at Ames, Iowa, where the nuts will be planted, to be dug up in due time as saplings and distributed over the state of Iowa.

Some day, perhaps, the walnut trees may flourish as in days of yore—but that will be some years hence.

# EARLY FOOT WARMER Hot Water Bottle Made By H. Mueller for Man Who Could Build Railroads But Could Not Keep His Feet Warm...



Yep! Yep! Times have changed. A generation ago houses, no matter how well they were built, were imperfectly heated, the plumbing was good but nothing like so luxurious as it is today. Many families were still using coal oil lamps and candles. Yes, and they took a hot brick or flat iron wrapped up in a flannel cloth to bed with them to keep their feet warm.

But all that has changed now. Heating, plumbing and lighting have been developed to a high state of perfection, and comfortable homes have displaced the discomfort and annoyances of an earlier day.

## An Early Hot Water Bottle

All of this line of thought is due an old relic received by Mueller Co. a few days ago. It is illustrated in connection with this article. It is an early example of what we now know as a hot water bottle, only this particular one is made of copper and is a sample of the handicraft of Hieronymus Mueller.

Some sixty years ago the wealthiest resident of Decatur was Mr. Wm. Ennis. He came here in the early days as a civil engineer and was identified with the building of new railroads. Recognizing the value of Central Illinois' virgin soil he invested heavily in land, which later became the foundation of the Ennis fortune.

## Cold Feet

Mr. Ennis could build railroads, acquire land, and wealth, but he could not keep his feet warm at night, notwithstanding he lived in a beautiful home and had every known convenience of the day. This fact he disclosed to Hieronymus Mueller, who assured Mr. Ennis that he could end his troubles with a copper hot water container. Then and there he was commissioned to produce the bottle. This was made, all by

hand, water-tight and was used by Mr. Ennis with great satisfaction. This remained in the Ennis family for many years, and came back to us recently in a round about way.

## Remained In Family

After the death of Mr. Ennis, his widow and two of her sons, Will and George, moved to California to make their home. Upon Mrs. Ennis' death this bottle passed from the oldest to the youngest of the three Ennis brothers, George, who was for many years a resident of Los Angeles, where he died February 4, 1939. He was a prominent bachelor club man.

Upon his death the bottle passed to Mrs. John P. Hunt, a second cousin of the Ennis boys. Mr. Hunt, through a former connection with Crane Co., knew the Mueller Co. and he turned the bottle over to W. N. Dill, manager of our Pacific coast branch at Los Angeles.

## Story Fully Authenticated

And that's the story of the water bottle which kept the feet of the Ennis family warm for more than a half century. There can be no doubt about the authenticity of this history. Stamped on the bottle is the legend.

Hieronymus Mueller  
Maker  
Decatur, Illinois

■ ■ ■

## THE LAW

Kansas is reported to have a law reading to this effect:

"When two trains approach each other on the same track, both shall come to a full stop and neither shall proceed until the other has passed."

And this from New Jersey:

"Any person found guilty of shooting across a public highway shall be subject to a fine and incarceration in the county jail in which the act occurred.

A coroner's jury at Petersburg, Illinois, rendered the verdict, "the jury find M—H— came to his death by heart failure after hearing the evidence of the witness.

## Wisdom of the Ages

**Bishop Horne:—**

Adversity borrows its sharpest sting  
from our impatience.

Sweet are the uses of adversity,  
which like the toad wears yet a precious  
jewel in his head.

**La Rochefoucauld:—**

I am perfectly aware that good sense  
and fine wit are tedious to every age;  
but tastes are not always the same, and  
what is good at one time will not seem  
so at another. This makes me think  
that few persons know how to be old.

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

**Shakespeare:—**

'Tis common proof,  
That lowliness is young ambition's  
ladder,  
Whereto the climber upward turns  
his face;  
But when he once obtains the upmost  
round,  
He then unto the ladder turns his back,  
Looks in the clouds, scorning the base  
degrees,  
By which he did ascend.

Ambition founded on high built  
hopes, is impatient, both of delays  
and rivals.

**Plutarch:—**

Had I a careful and pleasant companion,  
that could show me my angry face  
in a glass, I should not take it ill; to  
behold a man's self so unnaturally dis-  
guised and disordered, will conduce not  
a little to the impeachment of anger.

Do not let your angry passions  
rise.

**Tacitus:—**

All those things which are now be-  
held to be of greatest antiquity, were  
at one time new; and what we today  
hold up by example, will rank here-  
after as a precedent.

Men think they may justly do that  
for which they have a precedent, but  
they should differentiate between  
good and bad precedents.

**Irving:—**

That inexhaustible good-nature, which  
is itself the most precious gift of  
heaven, spreading like oil over the  
troubled sea of thought, and keeping  
the mind smooth and equable in the  
roughest weather.

Let me play the fool, with mirth and  
laughter let old wrinkles come.

**Luther:—**

Cannon and fire-arms are cruel and  
damnable machines, I believe them to

have been the direct suggestion of the  
devil. Against the flying ball no valor  
avails; the soldier is dead 'ere he sees  
the means of his destruction. If Adam  
had seen in a vision the horrible in-  
struments his children were to invent,  
he would have died of grief.

Thou shalt not kill.

**Eliza Cook:—**

Traverse the desert, and then ye can  
tell

What treasures exist in the cold deep  
well,

Sink in despair on the red parch'd  
earth,

And then ye may reckon what water  
is worth.

Pure water is the best of gifts that  
man to man can bring.

**Taylor:—**

A good man is the best friend, and  
therefore soonest to be chosen, longest  
to be retained and indeed never to be  
parted with.

The friends thou has grapple to thy  
soul with hoops of steel.

**Bacon:—**

Physic is of little use to a temperate  
person, for a man's own observation on  
what he finds does him good, and what  
hurts him is the best physic to pre-  
serve.

Eat moderately. Gluttony is the  
source of most of our infirmities.

### DID YOU KNOW . . .

That, where at the turn of the century  
it cost a driver about 30 cents a mile to  
operate his automobile, today, as a result  
of industrial research, the average cost is  
less than three cents a mile?

That a job in industry today is backed  
by an investment—\$6,500—on the average  
242 per cent greater than 40 years ago?

That, despite gloomy predictions that the  
glass bottling machine would destroy jobs,  
it created thousands of new ones? Today  
more men deliver bottled milk than the total  
number of glass blowers before this ma-  
chine was used.

That as a matter of fact, it's little busi-  
ness that's BIG in this country? 80 per  
cent of the economic activity of the U. S. A.  
is carried on by individual and personal  
partnerships.

That more than 16,000 theaters in the  
United States now show sound films? The  
country with the next largest number of  
sound film theaters has only 5,271, and many  
of these are wholly or in large part depen-  
dent upon American films.

# New Years and Poetry . . .

New Years does not seem to have awakened the muse of the poets like Christmas has. "A Happy New Year" wish apparently carries all the necessary sentiment. There is, of course, an obvious reason for this. A deep and reverent reaction stirs the heart on Christmas because of religious significance and the birth of Christ which the day commemorates. However, there is plenty of poetry with an uplift lilt to it, which is appropriate, because all want to begin the New Year with determination to make life cleaner, better and more wholesome, and to all these we present a small collection of poems appropriate to the thought and the day.

## I Know Something Good About You

*Wouldn't this old world be better  
If the folks we meet would say,  
"I know something good about you."  
And then treat us just that way?*

*Wouldn't it be fine and dandy  
If each handclasp—warm and true,  
Carried with it this assurance,  
"I know something good about you?"*

*Wouldn't life be lots more happy  
If the GOOD that's in us all  
Were the only thing about us  
That folks could ever recall?*

*Wouldn't life be lots more happy  
If we but praised the good we see?  
For there's a world of goodness  
In the worst of you and me.*

*Wouldn't it be fine to practice  
That nice way of thinking, too?  
Won't you try to think of the good in me  
While I think of the good in you?*

## On Being Boys Again

*Come old man, you and I  
We'll steal an hour from days gone by—  
The shining days when life was new  
And all was bright as morning dew.  
The lusty days of long ago  
When you were Bill and I was Joe.*

—OLIVER WENDALL HOLMES.

## Happiness

*Some have much and some have more,  
Some are rich and some are poor,  
Some have little, some have less,  
Some have not a cent to bless  
Their empty pockets yet possess  
True riches in true happiness.*

—John Oxenham.

## Hard Work

*Hard work is the hammer that pounds the  
nails*

*Of certainty into success,  
He who misses the nails, is one who fails,  
And works on the job and less.*

*Long hits bring applause, but it's team work  
wins*

*The pennants for which we all strive;  
Though some by their wits may seem to make  
hits,  
None but the hard workers survive.*

*Do big things this year, determine to win,  
And let us all work with our might;  
When we are inclined, we always can find  
The time to do anything right.*

*Big opportunities come to big men  
My dear boy, remember that fact;  
Then let us grow, so the whole world may  
know,  
That when the time comes, we will act.*

*Nothing succeeds like success, we are told,  
But drones cannot figure out how;  
A thing well begun is easily done;  
We don't live tomorrow, but NOW.*

HOMER CLARK BENNETT.

## The Philosopher

*I saw him sitting in his door,  
Trembling as old men do;  
His house was old, his barn was old,  
And yet his eyes seemed new.*

*His eyes had seen three times my years,  
And kept a twinkle still,  
Though they had looked at birth and death  
And three graves on a hill.*

*"I will sit down with you," I said,  
"And you will make me wise;  
Tell me how you have kept the joy  
Still burning in your eyes."*

*Then, like an old-time orator  
Impressively he rose;  
"I make the most of all that comes  
And the least of all that goes."*

*The jingling rhythm of his words  
Echoed as old songs do;  
Yet this had kept his eyes alight  
Till he was ninety-two.*

## The Sitch-ee-ation

*An aged man at the Union Station,  
Discussed the business sitch-ee-ation.  
I said that things were mighty bad,  
And somehow or other, it made him mad.  
That aged man, he tapped my knee—  
"D'ye know what's wrong with things?" said  
he.  
"I've been in fights," and the old man glared,  
"And I always got whipped when I got  
scared.  
Folks have forgot how to stand an' grin  
When hard luck socks 'em on the chin.  
There's too much groanin'—not enough  
laughs—  
There's too many crepe-hangers—too many  
graphs—  
It sure don't help a sick man's heart,  
To think of nothin' but his fever-chart.  
There's too many experts tellin' 'how come'  
The whole blame world is on the bum.  
There's too many people with an alibi—  
I'd rather listen to a darned good lie.  
As soon as folks quit hangin' crepe  
You'll see business in darn good shape.  
I've got no use for golf as a game,  
But I speak the language, just the same;  
There's too few drivers, and too many putts—  
Plenty cold feet, and not enough guts.  
You ain't my son, but if you was mine  
I'd darn soon teach you not to whine."  
He wasn't cultured, and his words were  
rough,  
But the old boy seemed to know his stuff.*

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## MUELLER CO. ELECTS OFFICERS

**Adolph Mueller, Chairman of Board—  
William E. Mueller, President**

The annual election of officers of Mueller Co. was held on Saturday, December 16, with the following result.

Adolph Mueller, Chairman of the Board and General Manager.

William E. Mueller, President and Treasurer.

Robert Mueller, Vice-President in charge of Public Relations.

Lucien W. Mueller, Vice-President and Works Manager.

J. W. Simpson, Vice-President and General Sales Manager.

J. W. Wells, Secretary.

R. H. Mueller, Chief Engineer.

## THE QUESTION OF HABIT

### It Marks Our Conduct Throughout Life

Habit binds us to a certain course of conduct throughout our lives. Through habit we may attain distinction, create a humanitarian, call forth the plaudits of our fellow men or, on the other hand, we may become a despicable, contemptible creature despised and loathed. It all depends on our habits.

Sometimes we unconsciously acquire harmless habits through some peculiarity that grows upon us through the years, such as facial gymnastic, doing things the wrong way or awkwardly.

It's through habit that one acquires a coarse guff-law at everything he hears, crossing his legs, swinging his arms, and gesticulating. In fact much of what we do in our daily lives is the result of habit.

### Changing Clothes With Seasons

There is the habit of changing clothing with the season. This we have observed for many years. Of course this is necessary when the weather changes are marked by heat or cold, but there's the point. Most of us change from summer or winter apparel at a specified date regardless of temperature. We had a good friend who habitually put on a pair of heavy rubbers with the first autumn rain or snow and did not cease wearing them until May first. That was nothing but habit. To him the time had come to wear rubbers and to go without them subjected him to a possible cold. The same is true of underwear and overcoats, which went on duty early in November and will be on guard duty until early spring. During a good portion of November the weather was so mild and balmy, that one was not uncomfortable wearing light underwear and going about minus an overcoat.

### Why Not Follow Temperature?

And this brings us to the conclusion that the better way to do which is to dress according to the temperature and not according to the seasons of the year.

But there is old man Habit on duty and the majority will doubtless kow-tow to him.

---

Frank H. Mueller, Research and Development Engineer.

Directors: Robert Mueller, Adolph Mueller, Chairman, Mrs. Ora Mueller Blair, Robert H. Mueller, William E. Mueller, Lucien Mueller, J. W. Simpson.

# Old Bossy In The News

## Big Business Is Founded As The Result of Her Daily Yield of Milk



Now Old Bossy breaks into the news—sad eyed and mournful of face but carrying on her aftquarters a fluid indispensable to life. Bossy gives us that necessary food called by the fashionable name of “lacteal fluid”—but known to millions by the common name of milk, beneficial to all ages of humans from mewling infant to drooling grandpa.

Bossy is one of eight animals giving milk for human consumption. The others are camel, mare, sheep, zebra, goat, buffalo and reindeer. Americans know something about goat milk, but in general their knowledge is confined to old Bossy’s product, which is produced in uncountable millions of gallons daily. Bossy does not appear greatly concerned about her importance or responsibility to mankind. She goes quietly about the pasture day by day, occasionally resting to chew her cud and towards milking time meandering to the barn to give up the result of her day’s work. Occasionally she becomes irritated and kicks over the bucket but her centuries old record of docility results as a rule, in patient submission to manipulation of her faucets.

### Uncertainty About Origin

As well as mankind know our domestic animals there is no certainty of their origin. It is known that they have been domesticated in Europe from prehistoric times and are mentioned in writings 4000 years old. Cattle, including Bossy and her gentlemen acquaintances, stand ace high as the most useful of domesticated animals. Their flesh is part of the daily food of man—butter, cheese and milk are on every table; their hair figures in plaster, their hoofs are used for glue, their bones for fertilizer, ornaments, buttons and a hundred other purposes discovered and turned to profit by the big packers.

Going back to Bossy as an individual. There was a time not so remote that many people kept cows in towns where officials were not worried about livestock having the right of way in streets and even on sidewalks.

### Milk Peddler

That was in the time when the man owning a cow peddled milk from a tin bucket.

From this grew the milk wagon to which you carried your crock or bucket. The driver measured out with a tin the

quantity of milk required. Sanitary measures were not so much in vogue in those days nor were health regulations so stringent.

A somewhat simple invention changed the map of the milk business and it rose to a higher plane commercially. In fact it got into the “higher brackets” huge concerns.

The beginning of this dates back to 1904 where the U. S. Patent Office issued a patent for a glass bottle making machine. The purpose of the new machine was to do the glass blower’s job, better and at less cost.

As a result new uses were found for glass container manufacture and employment increased from 24,000 employes in 1880 to 87,000 employes in 1937, with a payroll of \$119,391,493. New industries and occupations grew up around glass containers, especially in milk distribution.

In the U. S. today there are some 56 thousand milkmen, 57 thousand milk plant employes, 16 thousand clerical employes in the fresh milk industry, a total of more than 138 thousand, according to a survey made by Indiana university.

When milk was laded out of cans at the customer’s door, milk distribution was an inconsequential industry from the standpoint of employment provided. Glass bottles, made possible by an invention, developed under patent protection, created the jobs in modern industry.

The soft drink business has also grown up around the glass bottle and stimulated employment not only in that industry but in the manufacture of refrigerating equipment and the production and distribution of dry ice. The increased use of glass bottles has made jobs for silica miners to provide the raw material.

### GOOD REASON

A man who had been called for jury service asked to be excused.

“On what grounds?” asked the judge.

“We’re very busy at the office, sir, and I ought to be there.”

“So you are one of those men who think they are indispensable; you think that the firm cannot do without you. Is that it?”

“No, sir; far from that. I know very well they can, but I don’t want them to find out.”

“Excused,” said the judge.

## Always Something New

From the Nation's Business

A new machine screw has a thread cutting slot with serrated cutting edges so that when driven into a drilled hole it taps its own threads. Can be replaced with an ordinary machine screw if necessary.

Electric furnace for air-hardening steels at temperatures as high as 2000 degrees Fahrenheit. Uses atmosphere of hydrogen and nitrogen to protect the metal. Surface of steel not damaged.

Steel for dies can be air-hardened without appreciable distortion. Hard enough to scratch glass. Said to be economical for die cutting.

Grinding wheels with special resilient mounting, said to give increased wheel life, increased operator efficiency with less fatigue and at minimum vibration.

Sealing and caulking compound, permanently plastic, water-proof, not affected by vibration, vermin, or severe weather. Suitable for general building, construction, sealing conduits, tile setting, glazing and other uses.

A new black plating process is said to give a lustrous deep black electro-deposit superior in color to previous blacks. It is deposited rapidly over a number of different base metals.

Porcelain enameled roofing sheets for extreme resistance to weather, acid and corrosive fumes. A special locking system eliminates exposed bolt holes.

For sealing dams, ponds, ditches which have excessive leakage or seepage a rare clay has been specially treated so that when spread over the surface it eliminates most of the seepage.

A new French designed suspender, but American made, weighs only two ounces. It's completely elastic, including the fastening on the cross.

Useful to photographers, where light is insufficient for focusing, is a focusing spotlight working with the flash gun apparatus

and using the same batteries. Serves also as a test lamp showing when batteries need replacing.

A lettering set just announced makes it possible with a single guide to produce eight different types of lettering by changing the setting of the tracer and pen arm. Each guide has upper and lower case letters, numerals and characters.

Plastic hooks for shower curtains will not rust or break. Available in full range of colors. Easily slipped on rod and curtain and will not come off by accident.

An electric lantern with a spare bulb which is thrown into the circuit and into a focused position with a simple movement of a switch.

A new calculating machine does multiplication and division and points on a tape the various steps involved including in division the remainder as well as the quotient.

A new clamp for wire rope makes possible a quick loop or sling without splicing and serving and without loose wire ends. It has two taper threaded sections which squeeze the rope when the taper nuts are tightened.

Spiral bindings for catalogs and similar booklets that have the color of plastics and the strength of steel wire are available in a new binding made of wire and covered with plastic. A range of colors will be available.

A drawing table that's portable and folding has just been announced. It folds like a camp stool to three inches thick. It easily locks at the desired position, sets firmly, has a pencil and instrument rack, adequate knee room.

A combination range has two ovens, one of which with top burners is electric and the other is heated by coal or wood. It's intended for rural or suburban sections, using the electric section in summer, the other to help heat in cold weather. Both sections can be used at once.

A simple computing device does all forms of multiplying and dividing in rapid time with an accuracy to four significant figures. It has two scales (equivalent to four-place A and B slide rule scales) on endless tapes so that they can be turned separately or as a unit.



# Gas Association Members Meet . . .



Left: *Walter C. Beckjord, new president of American Gas Association. Mr. Beckjord is vice-president and general manager of the Columbia Gas and Electric Corp., New York, N. Y.*



Right: *Conrad N. Lauer, past president of American Gas Association. Mr. Lauer is president of the Philadelphia Gas Works Company.*

The last meeting of the American Gas Association, Hotel Pennsylvania, New York City, is one to talk about.

There were 3000 registered delegates whose presence emphasized the fact that the great hotel needed all of its space and conveniences to care for such a gathering and its usual large patronage, which is a matter of daily routine.

Twenty years ago the American Gas Association was formed at the Hotel Pennsylvania. At that time there was slightly more than eleven million gas customers in the country. Now the number is well over seventeen million. In addition to this the number and kinds of services have been greatly enlarged.

## Must Be Better

Past President Clifford E. Paige speaking at the Gas Industry Day Ceremonies at the World's Fair said: "Today we are good — gas service tomorrow will be and must be better. Never in the history of civilization have there been facilities both on display and in actual use, so extensive as the services furnished by these utilities."

There were many able speakers on the program and much important business was transacted.

## New Officers

The following officers were elected:

President — Walter C. Beckjord, vice-president and general manager, Columbia Gas and Electric Corp., New York, N. Y.

First Vice-President — T. J. Strickler, vice-president and general manager, Kansas City Gas Company, Kansas City, Mo.

Second Vice-President — George F. Mitchell, president, The Peoples Gas, Light and Coke Company, Chicago, Ill.

Treasurer — Ernest R. Acker, president,

Central Hudson Gas & Electric Corp., Poughkeepsie, N. Y.

Directors (two year terms) — Frank H. Adams, president, Surface Combustion Corp., Toledo, Ohio; James B. Black, president, Pacific Gas and Electric Company, San Francisco, Calif.; Charles M. Cohn, executive vice-president, Consolidated Gas, Electric Light and Power Co. of Baltimore, Baltimore, Md.; H. L. Dickerson, Ebasco Services, Inc., New York, N. Y.; Leon B. Eichengreen, Philadelphia Electric Co., Philadelphia, Pa.; C. E. Gallagher, president, The East Ohio Gas Co., Cleveland, Ohio; N. Henry Gellert, president, National Public Utilities Corp., Philadelphia, Pa.; R. H. Hargrove, vice-president and general manager, United Gas Pipe Line Co., Houston, Texas; George S. Hawley, president, Bridgeport Gas Light Co., Bridgeport, Conn.; C. E. Paige, president, The Brooklyn Union Gas Company, Brooklyn, N. Y.; Louis Ruthenburg, president, Servel, Inc., Evansville, Ind.

## Medal Awards

Charles A. Munson Award for the most outstanding contribution of an individual to the advancement of the gas industry, James F. Pollard, president, Seattle Gas Company.

A. G. A. Meritorious Service Medal for performing the most meritorious act during the year, Ralph L. Fletcher, vice-president, Providence Gas Company, for his leadership in avoiding disaster during the 1938 hurricane.

Beal Medal for highest technical recognition conferred on E. G. Hammerschmidt, chief chemist, Texoma Natural Gas Company, Fritch, Texas, for a paper dealing with the prevention and removal of gas

(Continued on Page 23)

# Los Angeles Pays Tribute To William Mulholland

## Memorial Fountain to Perpetuate the Name and Fame of a Distinguished Engineer and Citizen

The citizens of Los Angeles are preparing to pay tribute to the memory of a man who was outstanding in civic development as well as in the profession to which he devoted his life and contributed so much.

That man was William Mulholland, who for many years was Chief Engineer and General Manager of the city owned Bureau of Water Works and Supply.

### Self-Made

He was a wonderful self-made man. His life reads like romance. Born in Belfast, Ireland, September 11, 1855, he came to America at the age of 15 years, with meager education, but a resolute spirit that never failed him throughout his life. He bought and borrowed books to improve himself and died a hydraulic engineer known throughout the world, a profound student in mathematics, hydraulics, geology, and other sciences and widely read in the best there was in literature. Scientific societies and colleges conferred upon him every honor and he died proclaimed by the press as the man who made Los Angeles what it is today through his keen insight into the one thing the city must have to grow, which was an ample and dependable supply of good water. Before that was consummated, however, Mr. Mulholland had risen from the humble position of ditch-tender to the head of the water department. To accomplish all this he made many personal sacrifices and showed indomitable will-power in reaching his high position.

### Was A Sailor

William Mulholland sailed the seas as an apprentice for several years. Reaching America he worked on the Great Lakes vessels and in Michigan lumber camps and in 1876 went to Pittsburg to live with an uncle. It was while there that he read a "History of California", which so fired his imagination that he determined to go



*William Mulholland*

there, with Los Angeles as his goal. He decided to go by boat and to save \$25 of railroad fare across the isthmus he walked the entire 47 miles from Colon to Balboa. From there he worked his way on shipboard and reached the Golden Gate in 1877, making the trip from San Francisco to Los Angeles on horseback.

### Reached His Goal

He had reached his goal and the land in which he was to gain lasting fame by playing an important part in the growth of the now famous city from a small town of 10,000 to a population of 1,500,000. Mr. Mulholland found a water system consisting largely of open ditches, and left one, the second largest modern, sanitary distribution network of steel and iron mains in the United States.

In planning and completing the Owens River Project that he had conceived he was met with opposition from citizens and press, but he preached his doctrine in public meetings, to street corner crowds and to individuals. He finally won his point.

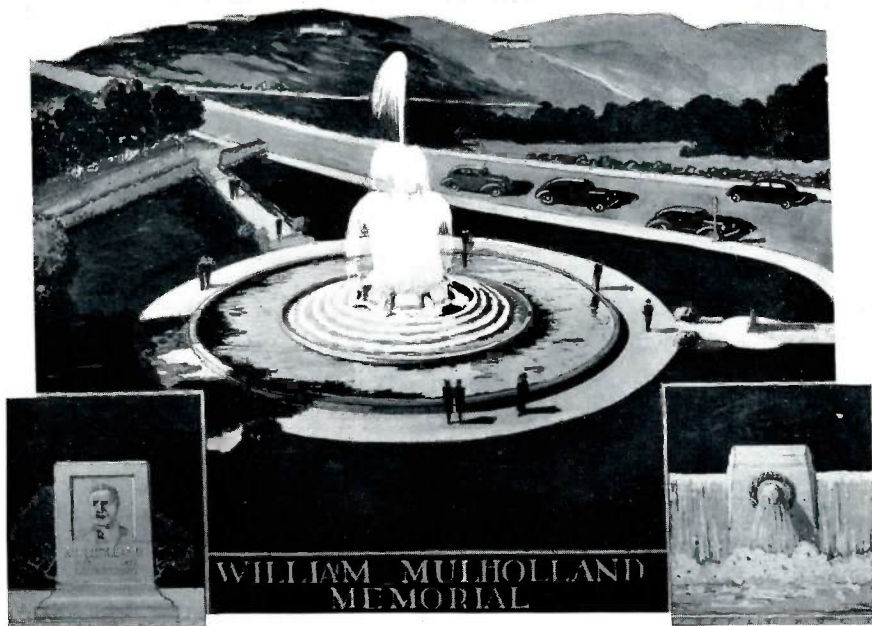
### Gave Route Personal Attention

He personally traveled the route of the proposed Los Angeles Aqueduct, making careful investigations and field notes, deciding the source of supply was the Owens River country. He recommended an aqueduct 250 miles long and to cost \$23,000,000.00. The work was started in 1903 and completed in 1913. The cost being about \$40,000, under the original estimate.

### "There It Is, Take It"

Five thousand men labored for five years on the gigantic undertaking, which was the object of a tremendous celebration when complete. What better illustration of this man's character than the speech he made on that occasion. He said, "There it is; take it."

At the age of 63 Mr. Mulholland realized that the phenomenal increase in popu-



lation necessitated additional water supply. He personally initiated a six-year survey of 50,000 square miles of desert waste which resulted in the Colorado River Aqueduct.

**No Opposition This Time**

This time he did not have to fight opposition and newspaper criticism. He told Los Angeles it must have more water, that the supply would come through another aqueduct from the Colorado river and the cost would be about \$240,000,000.

Knowing the correctness of his judgment the Los Angeles authorities told him to go ahead.

He did not live to see its completion, but his deeds still live in the hearts of grateful people and the new monument will serve to keep his memory, his life and his works fresh in the minds of future generations.

**The Fountain**

The memorial fountain will be located on 2½ acres of city owned land, Los Feliz Boulevard and Riverside Drive. This is the site of the home Mr. Mulholland and family occupied in the early days of their long residence in Los Angeles.

The fountain will be in the center of a reflecting pool 90 feet in diameter. The water will rise to a height of 40 to 50 feet. At night vari-colored lights will illuminate the rising and descending flow.

The committee is particularly gratified that the fountain was designed by one of the department employes, Walter S. Cla-

berg and that all employes have been inspirational workers in the development of the memorial plans.

The water department will install the necessary pumps and maintain them, the power bureau will operate them and the lighting system.

The Park Department will look to the landscaping and maintaining the grounds while both departments will aid in the construction work.

A Los Angeles paper quotes Mr. Walt L. Moreland, president of the Board of Water and Power commissioners, as saying:

"Thus with all hands participating the city will be able to erect for about \$35,000 a fitting memorial which would cost about \$150,000 were the work to be done through other channels."

Of the estimated \$35,000 the committee has raised about \$15,000.

Water sufficient for a city of 30,000 will flow through 134 small jets and 8 six-inch ports, and may be used over and over or flow directly into the Crystal Springs line without waste. The outer surrounding pool of still water will guard the water flowing in the fountain against contamination.



**Seeking Information**

Gentleman (at the police station): "Could I see the man who was arrested for robbing our house last night?"

Desk Sergeant: "This is very irregular. Why do you want to see him?"

Gentleman: "I want to ask him how he got in without awakening my wife."

## Leave It To The Ladies

● Mrs. Anah Boyer, Republican, Lodi, N. Y., was elected tax collector. Her opponent was her husband, Budd Boyer.

● Mrs. Helen M. A. C. Harris, Newark, N. J., got a divorce from her husband who earned \$3 and spent \$2 of it for gold fish when there was nothing in the house but pancakes, and no one eats gold fish but college boys.

● In a recent election in South Carolina's 1st Congressional District Mrs. Clara G. McMillan was chosen to succeed her husband, who died midway of his term.

● The fashionable ladies of Baltimore, turned up their noses and high hatted the registration board when asked to tell their ages. They departed in high indignation. Board straightened things out by saying that the ladies had only to admit that they were "over 21."

● Mrs. Olive Huwer, Belleville, Ill., stumbled and pushed three men through a plate glass window. Big crash. Minor injuries, but the lady did not suffer cuts or bruises.

● Mrs. E. M. McNish, Tellico Plains, Tex., one of eleven "bowmen" hunting wild Russian boars with bows and arrows, drove a steel-tipped arrow through a 200 pound boar — the largest killed this season. To make sure of the killing she sent two more arrows into the beast.

● Observed in a house furnishing store: "Help your wife," when she washes the dishes, wash the dishes with her. When she mops up the floor, mop up the floor with her."

● Telegram to traveling salesmen: "Congratulations! Mary gave birth to three boys this morning. Litter follows."

● It is announced that membership in the American Legion Auxiliary has mounted to 312,994, which is 100,000 more than the enrollment for 1939. Illinois leads in enrollments for 1940 with 23,389.

● Women are, as a rule, more sympathetic than men. But their actions as members of a trial jury does not uphold this belief. For the past few months they have been

doing jury service under the new Illinois law which became effective July 1. In the murder charge against Dr. George Gore, a prominent physician of Benton, Illinois, ten men and two women voted the death penalty. At Chicago, in the murder charge against Jack Russell, the death penalty was inflicted by a jury composed of seven men and five women. There was no emotionalism, sympathy or sentiment manifested by the women in these two cases.

■ ■ ■

Friend: "Why do you want your name changed to Charles Peter Rumny?"

House Breaker: "It's my wife's idea. She thinks we ought to have the same initials that we have on our silverware."

### Sour Puss

There was a young lady of Lynn,  
Who was so exceedingly thin,

That when she essayed  
To drink lemonade,  
She slipped through the straw, and fell in!

## "Ads," Signs, Names

Found in Classified columns of a Chicago paper.

"Health institute; Est. 25 years. Sell acct. sickness."

In a barber shop window Durham, N. C. "Whiskers pulled out, driven in or cut off."

Mable Abandon vs. Carmine Abandon—divorce case at Jacksonville, Florida.

Department Store Sign: "Ladies—this year wear 'Fountain of Youth' underwear. Don't let old age creep up on you."

■ ■ ■

### IN SMALL THINGS

*In Life's small things be resolute and great  
To keep thy muscle trained; knowst thou  
when fate*

*The measure takes or when she'll say to thee,  
"I find thee worthy; do this deed for me?"*

■ ■ ■

● Mrs. Biggs: "What is your husband's average income?"

Mrs. Wiggs: "Oh, about midnight."

—Wall Street Journal.

George: "Do you play an instrument of any kind, John?"

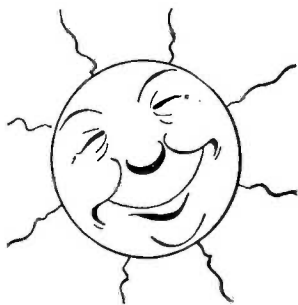
John (sadly): "Only second fiddle at home."

# OUT OF THE ORDINARY

The Record does not have a "Believe it or Not" column, and leaves oddities for Ripley to feature, but we've got one here that's entitled to all the publicity Mr. Ripley could give it. We shall let Wilford Affolter, California, Missouri tell the story, which was sent us for the "Out of the Ordinary" column. Here it is.

California, Mo.

Oct. 31, 1939.

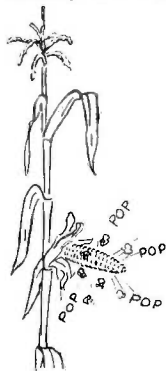


I'M POPPING YOU

Dear Sir:

"Here's one for your 'Out of the Ordinary' page.

Last month (September) we had unusually hot weather and one day my father, Herman Affolter, went into his garden (in town) to see how his popcorn was doing. He found one ear about eleven inches long hanging down from a dried up stock. Shucking it, he found about 50 grains of the popcorn popped on the ear.



They were popped about one-half the size of the popcorn you eat, the very close arrangement of the grains kept them from popping into larger grains.

I can give you a sworn statement should you ask for it. Also we still have the ear of corn as found, for proof.

I am employed by the California, Missouri Municipal Power, Light and Water Plant.

I always enjoy your "Mueller Record", in fact all of the employees look forward to its arrival."

Yours truly,  
Wilford Affolter.

**Picks Policeman's Pocket:** Policeman F. M. Baird Registertown, Maine, reports to the police of Evansville, Indiana, that he had been touched for \$150 while taking a snooze in a moving picture. Later Robert L. Bernard was arrested on charge of pocket picking. Policeman Baird said he met Bernard in South Boston, Massachusetts, and was taking him to New Orleans for a vacation.

**Hot Dog Champion:** William Lyle Kirby is an ex-prize fighter but we know of no championship won by him. He claims to be champion hot dog sandwich eater. We yield to his claim without argument. He bet two turkey dinners he could eat 25 sandwiches within a given time. He came within two of doing it. The "dogs" weighed 5½ ounces each, and measured 6½ inches from "nozzle" to "tail". The first seven were

eaten in 12 minutes. Statisticians at the ringside figured he ate five and one-half pounds of wieners, two and one-half pounds of buns, one bottle of beer, four bottles of 7-Up, and 11 cigarets.

**Oldest College Paper:** The oldest college newspaper in the United States is that of the Dartmouth students. One hundred years old in November.

**Shortest Railroad:** David Dingler, 74, president and engineer of the shortest standard gauge steam railroad in the country is dead.

His Cassville & Exeter line is only four miles long. The few passengers ride in the cab of an 1894 locomotive.

**Car caught up with him:** John D. Wilson, Superior, La., leaped for life when his auto stalled in the path of a fast train. He ran several steps for safety, but the car hurtled after him, knocking him against a switch stand. Killed instantly.

**Free Hospitality:** Forty-five thousand hotel men met in New York last month. Fifty hotels provided free hospitality.

**Anything Can Happen:** At 93, Joseph B. Camers of San Jose, California, got a divorce from his wife, but he told the judge "that 1940 is Leap year, and anything can happen." Our advice to Joseph is to locate a good hide out.

**Unusually Well:** Mrs. Pearl Lawson, Spokane, Washington, preparing to sit down to Thanksgiving dinner answered a customary "how are you?" with, "unusually

(Continued on Page 23)

# Reforestation At Newnan, Ga. . .

In a recent issue of the Mueller Record we carried an article by Mrs. Loretta H. Schoonmaker, on the subject of reforestation work at Weedsport, N. Y. This attracted the attention of Mr. H. H. North of Newnan, Georgia, chairman of Water and Light Commission, who evinces deep interest in the subject. Protection of all water sheds is a vital necessity, which does not seem to be generally realized.

## Has Increased Flow

Mr. North says reforestation has increased the flow of springs and streams many hundred per cent. Anything so indispensable to life as water supply demands all that we can give in its protection.

It is our belief that water works men will be interested in what Newnan, Georgia, has done and is doing along the line of reforestation and we quote from Mr. North's interesting letter to Adolph Mueller on the subject as follows:

"I remember very pleasantly having met you at the American Waterworks Association in New Orleans. I was impressed by an article in your last issue of Mueller Record referring to the beginning of a reforestation of a tract of land at Weedsport, N. Y., and I have taken the liberty of having this article published in our local paper, which I am mailing you today.

## Thirty-Five Years Ago

The city of Newnan began the purchase of land to protect its watershed something like thirty-five years ago, and, from time to time we have bought various small tracts, until we now own something over seven hundred acres. This land has cost us in the neighborhood of thirty thousand dollars. About eight years ago we placed in the hands of the State Forestry Department the reforestation of the land.

There was in the neighborhood of two hundred acres in original forests. Since the Forestry Department has been in charge we have planted something like two hundred thousand trees of various kinds, the trees costing us a small amount per thousand from the Agricultural College and the work has been done by city employes. The Forestry Department informs us that the reforestation has been completed with exception of twenty thousand trees which will be planted this year on lands recently acquired.

## Carefully Watched

Our forests are carefully looked after, and all diseased and unsatisfactory trees are removed. This reforestation of land, on which our water supply originates, has increased the flow of the springs and small streams several hundred per cent.

Our idea of publishing the article was largely to inform our own citizens who take very little interest in what is going on to preserve a water supply as long as their water is furnished daily not taking into consideration future generations.

Very sincerely,

H. H. NORTH.

■ ■ ■

## WATER WORKS NOTES

At Miami, Fla., police were notified of "dead man lying in street." Squad cars and ambulances rolled up. The "dead man" looked up and said "send that blasted ambulance away. What I want is a plumber. I'm holding a broken water pipe together."

## Salty Water

In November, New Orleans had trouble with salt water in the city mains and speckled trout were caught at the foot of Canal street for the first time in memory. This is the second time in forty years that this annoying condition has prevailed.

It is due to the drouth throughout the entire water shed. The Mississippi has reached an almost record low mark. With this condition prevailing the gulf tides flowed into the long delta channel.

Continuing, the press account says, "the ordinarily tawny river which rushes millions of tons of yellow clay and black soil past New Orleans annually has turned a placid, gulf blue, its surface dropping far below the levee tops that line its banks for hundreds of miles northward." The city's water supply is taken from the river.

## Death of Col. Michie

The news of the death of Colonel John Chapman Michie, will bring a pang of regret to all who knew him and valued his friendship. The Durham, N. C., Herald says he was the dean of Water Works Engineers in North Carolina and a life member of the American Water Works Association, being the first North Carolinian to join that organization.

He had been identified with the Durham Water Works since 1892. He was a veteran of the Spanish American war. For a year past he has been in feeble health. One of his last appearances in the water works was a year ago to attend a bid-opening for some plant improvements.

(Continued on Page 22)

## The Auto Line



● The longest international highway in the world will be the Pan American, linking the countries of the Western Hemisphere, extending 3000 miles from Texas to join the United States and Canada with 17 countries of Central and South America, but not likely to be finished in this generation.

● One billion dollars worth of used cars are resold annually according to the Pontiac division of General Motors. There are approximately 26,000,000 passenger cars in the United States. In a normal year about 10,000,000 cars, new and old, are sold. About 40 per cent of car users buy a new car every year. About 7,000,000 or 40 per cent are used car buyers.

● There is a big difference in the used car of today and those of yesterday. The Pontiac officials say: "Almost any one, two, or three year old used car in a reputable dealer's stock has more good unused mileage left in it than most new cars of 20 to 25 years ago."

● The following shows what will become of the 100 pennies in each of the \$51,500,000 dollars motorists will pay for state licenses and gasoline in 1940.

Building roads, 16c; upkeep, 12c; overhead, 11c; road bonds, 15c; cities and counties, 29c; refund autos, 4c; police, 2c; diversion, 11c.

● Safe distances between cars on the highway—6 car lengths at 30 miles; 15 car lengths at 60 miles. Trailing the car ahead too close is the major cause of rear end collisions. A second danger in trailing is failure to see an oncoming car resulting in head on collision.

● The only cars that are legalized to break through a funeral procession are ambulances, fire engines, and police cars. Common decency and respect stops most

people, and superstition a lot more, who fear that such an act means a death in their own family.

● Safety experts very properly advise making your driveway a boulevard stop. The greatest danger is hitting pedestrians, especially children, and then there is danger of your smashing into a passing car or truck or being smashed into.

● Illinois' 1939 bill for highway construction was \$23,000,000, which included 177 miles of concrete pavement, 192 of bituminous surfacing, 100 miles of gravel, 78 miles of grading, 66 bridges, 30 railroad grade separations and five highway grade separations.

## GOING ON DIET

Success Depends On Having Greater Will Power Than Appetite

Dieting has become popular, especially by the ladies who wish to preserve their girlish and sylph like figure. It's a rather difficult undertaking, as we understand it.

The ladies miss a meal or two and then yield to that gnawing sensation, and resume the elevation of food from their plates to their mouths regardless of results. It's just like falling off the water wagon.

It has been discovered that there are more fat women than men, says Dr. Robert W. Keeton, of the University of Illinois Medical School. There are several reasons why fat ladies predominate. One is that after marriage they no longer do enough work to burn up their food.

Most of them could get thin if they want to, but to do it requires will power greater than the desire to eat.

In speaking of these conditions the learned doctor asks the question, how to diet, and instead of giving a lot of rules, he calls humor to his store of knowledge to answer the how in this way.

"The best way to remove fat is to get a stronghold on the edge of the dinner table and shove yourself away "after a few bites."

"How did the explosion occur?"

"The boiler was empty and the engineer was full."

Love is the only game, so they say, that isn't postponed because of darkness.

Half of greatness is spirit. The only thing under the sun that is impossible is something that cannot be imagined.



### WHEN GOOD FELLOWS GET TOGETHER

When Rudyard Kipling wrote "Oh, east is east and west is west, and never the twain shall meet," he was not talking about the United States, where those of the east and west are always in daily contact, which teaches us that we are all one and indivisible. Here we are alike. The only difference is in location. Fast trains, airships, and automobiles have done much to prove all this.

Here's a picture which illustrates the thought. Frank H. Mueller of Decatur, and Rae McIntyre of Mueller, Ltd., Sarnia, recently paid a visit to our Pacific coast factory at Los Angeles and the San Francisco branch. It was a periodical visit to contact the trade. The picture also illustrates the capital style of the old song, "When good fellows get together." Everyone in the group is apparently enjoying the occasion.

Left: Frank English, Supt. of Gas Mains, Roscoe Smith, Engineering Dept., Pacific Gas and Electric Co.

Center above: William Henderson, Engineer in Charge of Distribution for the Southern California Gas Co. Center below: Rae McIntyre, General Superintendent, Mueller, Ltd., Sarnia.

Right: Frank H. Mueller, Director of Research and Development, Mueller Co.; Ray Fuller, Engineer in Charge of Distribution for the Pacific Gas and Electric Co.

(Continued from Page 20)

Death of D. H. Townley

The Elizabeth Journal, December 12, at-

nounced the death of D. H. Townley, engineer and superintendent of the Elizabethtown Consolidated Water Company.

Mr. Townley had for years been prominent in the affairs of Elizabethtown, having been a member of the Board of Education, and for four decades engineer and superintendent of the water company mentioned. He was a member of one of the oldest families of Union county. He was a direct descendant of Colonel Richard Townley, who married the widow of Philip Cateret, the first colonial governor of New Jersey. After finishing his schooling in Elizabethtown he pursued his engineering studies at Rutgers, graduating in 1893. He became associated with the water works, September 16, 1900.

As superintendent and engineer, and in 1936 he became consulting engineer. He was of high ideals and principles, and had many friends. He was 68 years of age and had been ill for a long time.

In commenting on his death Captain John Kean, president of the Elizabethtown Water Company said:

"The death of Mr. Townley came as a great shock. While he had been ill, his death was unexpected. A friend of many years standing, Mr. Townley has served the company, always holding its interest at heart, for nearly forty years. His loss is a great one to me and the company."

Mrs. Townley survives her husband.

The yard measure is the arm measurement of England's Henry I. He ordered that the length of his own arms—thirty-six inches—should be the standard yard for cloth.



## TOOTHPICKS CENTURIES OLD

### English Courtiers Wore Them Dangling On Chains

There is nothing new about toothpicks and there is not a great deal of history on the subject. They are of antiquity, probably coming into use in the cave man period. Never having met a cave man, and knowing nothing about his looks or his habits, we base our knowledge of him upon the imaginary pictures given us by artists. Judging from these illustrations we hazard the suspicion that the pictures followed a rough night with Bohemian companions. Giving our own imagination a chance, we guess that the cave man broke long thorns from trees to forage around in his teeth for the extraction of chunks of raw meat.

In the present day toothpicks are somewhat of an unpleasant subject and their use in public is an evidence that the user has not been an intensive student of Emily Post.

#### Centuries Old

However, this may be toothpicks have been sold and used for centuries. They were at one time considered not only useful but ornamental as well. The gentleman above was a courtier in the 14th century. In those days a toothpick was made of silver and attached to elaborate gold or silver chains which encircled the neck. Within the memory of many older persons gold toothpicks were sold by jewelers to be carried in the pocket or purse, or worn as watch charm ornaments and were considered suitable for birthday or Christmas presents.

Then for years quills were cut to a sharp point, done up in neat packages of about twenty-five and sold by the drug stores. Then came the manufacture of the little wooden toothpick, which placed them on all tables or counters where food is served, and the fancy toothpicks were retired to the dim and distant past.

Life is just an everlasting struggle to keep money coming in and teeth and hair and vital organs from coming out.

It's all right to dress well, but remember the creases in your pants are of less importance than the creases in your forehead.

## Out Of The Ordinary

(Continued from Page 19)

well", and fell dead on the final word. Heart disease.

**Do Something, Quick:** As a result of changing Thanksgiving day, Representative Charles A. Plumley received the following letter from Alfred Wells, Windsor, Vt., reading as follows: "I was married on Thanksgiving day, Nov. 30, 1916. Have an anniversary on Thanksgiving every seven years. Now they try to take that away from me. Can't something be done?"

**What The Ouija Board Saw:** Isaac Field claiming the invention of the Ouija board died recently. He said that after making one he consulted it and the board told him to prepare for big business. Millions of these boards were made and sold.

**Wrecked The Cell:** At Montgomery, Ala., E. N. Walker charged with disorderly conduct was locked in a cell. When the police went for the prisoner for arraignment, the lock refused to work. Working with hammer and cold chisel for several hours, Walker was finally released, but too late for trial.

(Continued from Page 15)

hydrate formations in natural gas pipe lines.

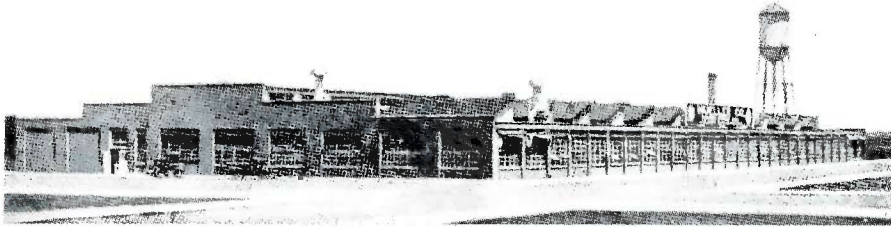
Thomas N. McCarter, chairman of the board, Public Service Electric and Gas Co., Newark, N. J., and donor of McCarter Medals for life saving by the Schafer prone pressure method of resuscitation, personally presented thirteen medals to the following:

John Jasiacki, John A. Geck, Joseph F. Wagner, Harold E. Jameson, Howard Miller, H. F. Steenhuizen, W. H. Wentzheimer, Charles J. Mihok, Kenneth H. Dineen, George A. Bennett, Julius R. Mehning, Robert Humbert, Ivan C. Wright.

A new award, that of the Guild of Ancient Suppliers, an organization of manufacturers and others in the industry who have served ten years or more went to R. M. Conner, director of the A. G. A. Testing Laboratories for his conduct of that establishment.

After considering all factors involved the committee on time and place for the 22nd annual convention decided on Atlantic City, the week of October 7, 1940. This was approved.

# ❖ Decatur State Headquarters ❖



*Mueller building which now houses the Illinois Civilian Conservation Corps*

The Illinois Civilian Conservation Corps was secured to Decatur some months ago, because of the adequate accommodations provided in the Mueller building south of the city, formerly the Mueller Vitreous Ware plant.

There was considerable remodeling to do before the building could be occupied, including the laying of a 10-inch water main across the Sangamon river a distance of a mile in order to provide city water. The corps was comfortably installed early in early autumn.

### **House Warming**

Major Marcus B. Bell, state Commander of the C. C. C. had a "house warming" and formal opening on the evening of November 1, which was attended by about 150 citizens of Decatur and a number of out-of-town guests. In the early hours of the evening the guests were shown through the headquarters by officers of the corps assisting Major Bell. They were shown the layout of the building, specimens of the work being done by the boys and explanation of the plans for the conservation of the youth of the country. The layout includes offices for army men in charge, general offices, garage, warehouse, mess hall, kitchen, and a recreation hall.

From the warehouse, supplies will be distributed throughout the state excepting food.

### **Fine Turkey Dinner**

The company sat down to a splendid repast, leading off with young roast turkey and all the good things that keep company with that majestic fowl. The cooking staff of the CCC corps prepared and served the meal and it was the unanimous opinion if the youths measured up to the standard of cookery they will make corking good American citizens.

Major Bell presided as toastmaster and said that Decatur had obtained state headquarters through "good, honest, trustful co-operation." He praised members of the Chamber of Commerce, civic leaders and

members of Mueller Co.

### **Other Speakers**

Among other speakers on the program were Major George Herbert, a member of the army, Sixth Corps Area staff; Henry Bolz, secretary of Decatur A. of C.; D. D. Littrell, Oak Park, inspector of Federal Park division; Artie Toole, Harrisburg, U. S. Forestry service; Sanford Sellers, Chicago, Sixth Corps, Education Advisor for CCC; J. R. Maher, Milwaukee, regional director for the Soil Conservation service; Charles P. Casey, Springfield, Illinois, Assistant director of the state department of public works and buildings; Carter Jenkins, Springfield, director of state water ways, J. J. Maloney, president Decatur Association of Commerce; A. C. Mann, Chicago, vice-president and purchasing agent Illinois Central Railway, and Adolph Mueller, President, Mueller Co.

### **About Conservation**

The speeches were all along the same line, conservation work, or different divisions of governmental work of various kinds.

And Major Bell did not overlook any of the "little fellows" who had contributed to the success of the work, including the carpenter, the plumber and other artisans. Each was asked to stand up for introduction to the company and listen to the complimentary greetings by the toastmaster and commandant of headquarters.

### **Group of One Hundred**

There are 100 army and civilian employes housed in the big building which is about 600 x 200 feet. It is located about a mile from the business center with state highways on the north and east sides and a stone's throw from beautiful Lake Decatur. The commodious garage will be headquarters for all army trucks in service in conservation work in Illinois.

Major Bell and his assisting officers are already looked upon as citizens of Decatur, have made many friends and are very popular in local circles.

## Animals In The News

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



● Dog Shoots Man — Walter Levitt, Effingham, Illinois, out hunting, left his gun lying on the ground. One of his hunting dogs, frisking around, stepped on the trigger and discharged the gun. Levitt was shot in the ankle. A somewhat similar accident cost Robert Ellison, aged 16, his life. He stopped at a pump, leaning his gun against it and began pumping. The handle struck the gun trigger, discharging the fowling piece, and fatally wounded the lad.

● Nigger, a mongrel, was for 10 years mascot of Engine Company 203, of Brooklyn, and during that time went to all fires, riding on the running board. He won three medals for saving lives. The other day an auto hit Nigger, near the fire station. The injured animal dragged into the station, crawled up on its favorite spot on the running board, wagging its tail and died while the firemen dried their eyes.

● Three bites — Safe at the home plate:— Brownie, cocker spaniel, owner Mrs. Paulina Fucelli, New York, like most people, hates bill collectors. Brownie proved this by biting three of them. This called for the death penalty but the Health Department granted a thirty day reprieve. Presumably members of the department shared Brownie's hatred.

● Dogs like men if men like dogs. There is a palship immediately as Mail Carrier Marshall, Decatur proves. The dogs on his route don't bite him. Instead they greet him with a great display of friendliness, and then trail him for blocks or sometimes over his entire route. Marshall would make a first class "Pied Piper" dog catcher.

● The bull in the china shop has been put out of business by a five point buck. At Latrobe, Pennsylvania, the buck wandered from its mountain retreat through the business streets. Becoming frightened, it plunged through a plate glass window of a furniture store and played hob with the bed room suites to the extent of \$1000. Next it made the rounds of a department store, wrecking a big Christmas display. Finally brought down by a rifle shot and the carcass presented to Latrobe hospital.

● Tom, the cat killer was recently back in Furlight, Pennsylvania, killing cats. He hangs them up by the tail with a note attached, "Death to them all. Tom, the cat killer."

● From Macon, Georgia, comes the story of the escape of "Jim", pet crow of Columnist John D. Spencer, after 15 years captivity. A few days later Jim came back and from a tree croaked: "Starvation," "want my papa", and closed with "Someone start a fire." Don't take this too seriously. What was really "started" was a "story."

● Nanny, a Chicago goat, obstructed traffic at an intersection. At police headquarters she was charged with: (1) Eating Sarge Gibbons' cap; (2) Eating considerable gold braid from uniform. Now hold your nose! (3) B. O. which emptied the police headquarters. A squad of officers in gas masks returned Nanny to her owner. If you have any knowledge of a goat's diffusion of B. O., you'll applaud the good riddance idea of the police. Comparatively, a skunk is the finest of Eau de Cologne.

● "Pete", pet eagle of Frank Richey, Clinton, Illinois, is dead. Pete was captured 13 years ago after being shot and his wing broken. "Pete" lived on raw meat and had a wingspread of 8 feet.

● Bob, a nondescript canine owned by Melvin Shoemaker, Decatur, who was working with an electric extension cord and just what Bob thought the cord was is not clear, but he pounced upon it and chewed it viciously. He let go quickly and dashed to the house with burned tongue and mouth. Bob couldn't be enticed out of doors again for several days.

● Police at Orangeburg, N. C., couldn't account for the theft of a cow, because only human footprints were found leading from the pasture, no hoof prints. Arrested for the theft the thief explained the mystery. He had put shoes on the cow.

# THOSE SAN JUAN SWALLOWS

## Tradition of Their Migration Seems To Be Only A Nice Story

The curtain goes up on John S. Siebert, A. I. A. architect, San Diego, California, one of our valued readers of the Mueller Record. In the November issue he read two articles, one on the swallows at Mission San Juan Capistrano, alleged to arrive on a certain day in the spring and depart on a certain day in the fall, and another article on, "Mystery of Migration."

Mr. Siebert writes us as follows:

Editor Mueller Record:

In the November issue of the Mueller Record you make reference, on page 3, to San Juan Capistrano and the much publicized swallows that foregather there. And again, on 29, you allude to the "Mystery of Migration" saying, "The Phenomena can't be explained."

I do not want to criticize or find fault with either one of your articles, but just for the purpose of shedding a little light on a very simple natural phenomenon I am mailing you, under separate cover, the October issue of the San Diego ZOOONOOZ in which appears an illuminating article about the swallows of the beheaded John. Alas for the fairy tales! This year the bloomin' birds came several months ahead of schedule, or was it belated? I really have forgotten which, and departed in a manner that would indicate they have no respect whatsoever for tradition, sacred or otherwise. Of course the movies, etc., you will note, gave no publicity to this.

Some thirty years ago I had a ranch near S. D. and on said ranch was a sizeable barn in which mud swallows nested and to which nests they came and from which they departed on or about the same time every year. However, no one ever dreamed of hooking these little pests up with any saint, in fact, if the language with which my son finally accompanied his action in destroying their nests, compelling the birds to leave their plaster of Paris decorations elsewhere, was any index, I should say that somebody with horns and hoofs sponsored the migrations.

Well, I thought it might interest you to get the "low down" on this matter.

Cordially yours,  
JOHN S. SIEBERT.

The copy of Zoonoz referred to above has been received and in it we find an article on "Swallows at San Juan", by Mr. Jack Webb, interesting but too long for reproduction. It's evident that Mr. Webb is a nature lover and student. From his article we reproduce a few of his closing comments.

"Now where is the truth and the legend, the science and the fallacy of this nationally prominent phenomena?"

With a beautiful irony and a beautiful humor, the answer to the punctual migration of swallows lays not with the birds themselves, but rather with the insects upon which they feed. Cantwell of the Los Angeles Museum, and Koch of our own San Diego Zoological Society, corroborate me in this theory and precedes me. Consider this: in Southern California, spring and winter come neither late nor early, so similar are the seasons that there can be in reality no such thing as an early spring or an early winter. Therefore, with an equitable, non-seasonal climate, seasonal insects appear and disappear with astonishing regularity. That is the secret of the migration of swallows to and from Mission San Juan Capistrano.

And there is more to the answer than that. The hundred of swallows which I saw disappear during this last fall were not the entire flock of swallows that love, nested and reared at the Mission grounds. I counted last autumn seventy-three nests which had been occupied during the previous summer. Seventy-three nests would mean one hundred and forty-six parent birds, let well enough alone, the two broods of progeny they well may have raised during the preceding summer. Therefore, the small group of birds I observed and encountered at the Mission was only the last of the swallows to leave in southern migration and not the entire flock, as newspaper and radio would have the public believe.

And what if the migration of swallows from the Mission San Juan Capistrano is not complete? The miracle of bird migration to which the newspapers and radio bring national public attention is enough. Let all of us observe and remark upon this inscrutable fact. That is sufficient!"

■ ■ ■

### Trouble At Home

Teacher: "Your son is the brightest boy in my class, but he is also the most mischievous. What shall I do?"

Mother: "Do as you please. I am having my own troubles with his father."

### Quick Answer

Teacher: "James, why is the English language called the mother tongue?"

James: "Because father never gets a chance to use it!"

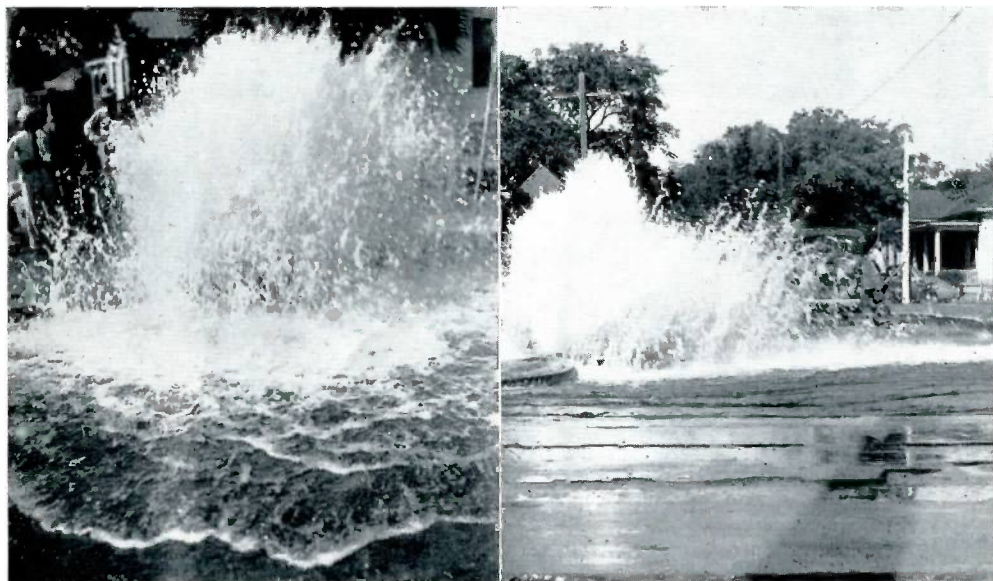
■ ■ ■

Looking for faults, like charity, should begin at home.

Sweeten your disposition by freeing your mind of bitter thoughts.

Every day something is being done that could not be done.

# *Impromptu Aquacade . . . .* *. . . . Fire Hydrant Accident*



When an automobile collides with another object something is certain to happen. If it's a fire hydrant, as pictured herewith, there is sure to be a big loss of water in most cases and much inconvenience to water takers.

This accident occurred in San Antonio, Texas, one Sunday morning recently. Within a few moments the streets in the vicinity of Bering and South Presa were flooded, when an automobile collided with the hydrant.

Then there was great activity in the neighborhood. Crowds collected to see the rapid formation of a good wading pond for the kids, and the quite successful efforts of the hydrant to duplicate the performance of "Old Faithful Geyser" in the National Park.

#### **Plenty of Excitement**

The excitement was augmented by the arrival of water works employes to shut off the necessary valves and put an end to the spectacle. Water takers for several blocks were deprived of customary service for hours while necessary repairs were made. At least one hundred families found themselves in this predicament.

Had a fire broken out in the home of any of the isolated families the results would

have been disastrous owing to the fact that available hydrants were several blocks away which would have called for extra lengths of hose, consuming time in laying a line to the fire and quite likely a reduction of the pressure.

#### **Advantage of Mueller-Columbians**

Accidents of this character are of frequent occurrence. We do not know the makers of the fire hydrant in this accident, and would not tell if we did, but we do know that had it been a Mueller-Columbian Hydrant, when this collision occurred, the safety flange of the MUELLER-COLUMBIAN would have broken at an intentionally weakened groove, allowing the top section to topple to the ground without damage to any interior part or to either barrel section. It could be put back into service by one man in 20 minutes for \$5 repair cost, without digging into the ground or a shut-off of the water, and there would have been no loss of water or inconvenience to water takers.

#### **In Role of News Photographer**

George H. Hofmann, Mueller representative, happened on the scene shortly after the accident happened, and assuming the duties of a news photographer, took the pictures used herewith.

# Merry Christmas at Muellers



*Reduced overhead—Upper left: Cal McQuality, first; to right, Gaylord Tripp, second; below, Harold Munsterman, third.*

*Increased production—Upper right: Herman Amman, first; Margaret Behrend, second; below, Warren Hall, third.*

*Safety—Bottom row: W. A. Mueller, first; Roy E. Cook, second; Lee Bauer, third.*

*Upper center: W. H. Bradley whose thirty-five single suggestions brought him \$87.50.*

Christmas in the Mueller organization was a season of happiness as usual. The spirit of good fellowship was rampant for about one month, beginning on November 27, when a mass meeting was held in the gymnasium and bonus checks passed out, amid great enthusiasm.

The next event was on December 14, when another mass meeting was held to make the service and suggestion awards. Emblem and service buttons were given in recognition of terms of service, beginning with five years as follows:

Five years, 12; ten years, 27; fifteen years, 41; twenty years, 16; twenty-five years, 6; thirty years, 8; thirty-five years, 4; forty years, 1; forty-five years, 1.

The annual distribution of prizes for suggestions made by employes during the year kept the big gathering in a state of expectancy and each announcement was greeted with applause. Three subjects are given each year:

- Reduced overhead
- Increased Production
- Safety

The winners were:

Reduced overhead—  
Cal McQuality, First.....\$25.00

Gaylord Tripp, Second..... 15.00  
Harold Munsterman, Third..... 10.00

Increased Production—  
Herman Amman, First.....\$25.00  
Margaret Behrends, Second..... 15.00  
Warren Hall, Third..... 10.00

Safety—  
Wm. A. Mueller, First.....\$25.00  
Roy E. Cook, Second..... 15.00  
Lee Bauer, Third..... 10.00

(Editor's Note:—William A. Mueller is in no way related to any member of the company. It just happens his surname is the same).

The company's only part in the suggestion award is to pay the prizes. A committee of employes passes on the suggestions which are submitted without signature, consequently no member of the committee has any knowledge of the author of any suggestion.

The annual slogan winner was Mrs. Gladys Masterson's, whose slogan "Send us today, an improved way", brought her a prize of \$2.50. There were 107 suggested slogans.

(Continued on Page 32)

# SOY BEANS ARE BEARING

It took this country a long time to wake up to the value of soybeans, but after the first hop, step and a jump, we were going strong, with Central Illinois at the head of the procession. Soybeans are of very ancient lineage. One authority says some three thousand years before Christ. Twenty years ago few people in this country scarcely knew of them and if they were cultivated at all it was on a small scale. A. E. Staley, president of Staley company, is given credit for being the original soybean propogandist in this section of the country.

### Took A Long Time

It took a considerable amount of energy and time to convince the farmers of the possibilities of soybeans, but a drive through the country during the summer would have convinced anyone that in this section, which includes all of Central Illinois, hundreds of acres of land formerly devoted to corn were waving soy bean plants, showing that the farmers are now soybean minded. There are ample reason for this. Soybeans are easy to plant, require but little attention and are easy to harvest and thresh. One farmer with whom we talked pointing out the big crops of this year inclined him to the belief that soybeans may eventually change Illinois known productivity of corn into soybeans. On the other hand an elevator man questioned this but said the present trend indicated soybeans as a secondary crop.

### Central Illinois Capital

Central Illinois is now referred to as the soybean capital, and Decatur is one of the leading, if not the leader, in the manufacture of soybean products, producing soybean oil meal and other foodstuff.

There are four big mills here, the last one built during the summer was the plant of the Archer-Daniels-Midland Co., representing an investment of about two million

dollars, with more buildings to come. It is located about one mile east of Decatur. When construction was begun the railroads immediately extended switches to the site. The plant is now in operation.

### Great Capacity

The capacities of Decatur's four plants is given as follows:

5,500,000	bushels
5,000,000	"
1,500,000	"
100,000	"

Total 12,100,000 bushels

Following close upon the harvest of the crop, beans began flowing into Decatur in such surprising train loads that the side tracks were clogged and cars of beans were temporarily left on side tracks, outside beyond the city limits until the congestion could be relieved. It was announced during this stagnation in the railroad yards that there were 1200 carloads of beans in the Decatur railroad side tracks awaiting a chance to unload.

### Regarded as Edible

Soybeans have not been accepted generally for human consumption, although they are regarded as edible. Here in Decatur soybean bread has been sold in the stores and has proved palatable. It is darker than white bread and somewhat sweeter. Europeans have given study to its possibilities with a view to its availability to rationing armies.

The soybean has a high protein content. Its composition follows:

Water 10.8 per cent, ash 4.7 per cent, protein 34 per cent, fibre 4.8 per cent, nitrogen free extract 28.8 per cent, fat 16.9 per cent.

Manchuria is the greatest soybean producing area in the world. Where there are

(Continued on Page 30)

(Continued from Page 29)

over 500 different varieties cultivated over 7,000,000 acres raising more than 5,000,000 tons a year.

The value of the soybean is as yet undetermined. Its value for stock feeding is known. It will eventually, no doubt, be accepted for human consumption. Its commercial usefulness is being rapidly developed. It is said to now be available for more than a hundred articles, which include parts for automobiles, outstanding of which is the steering wheel.

The plant is little subject to disease or insect attacks. Rabbits are extremely fond of it and perhaps its most destructive enemy.

#### Grow Almost Anywhere

Soybeans are cultivated from Massachusetts to the Gulf of Mexico. Planting takes place after danger from frost is past. It is planted in rows thirty-six inches apart when the crop is raised for seed; either broadcast or in rows for forage. Planted in rows only a bushel of seed is required for 2 or 3 acres. The first of June is generally considered the best time for planting. In Tennessee, North Carolina and further south two crops can be raised in a year.

An average crop is about 35 bushels per acre. The price per bushel to the farmer at harvesting time this year was around 65 to 75c per bushel. The high price to the farmer in December was \$1.20 per bushel.

#### Soybean Capital

A local paper tells us that the industry in Decatur now represents an investment of sixty millions of dollars and this paper is to issue a special lavishly illustrated edition New Year's day featuring Decatur as the Soybean Capital and exploiting the beans, their virtue and their possibilities.

■ ■ ■

#### Hold Her

"Bring me another sandwich, please."

"Will there be anything else?"

"Yes, a paperweight. That last sandwich blew away."

#### Tough

Restaurant Manager (to waitresses):  
"Now girls, I want you all to look your best today. The meat's tough."

#### Soups Off

Customer: "I thought I saw some soup on the bill of fare."

Waiter: "There was some, but I wiped it off."

#### To Be Expected

Diner: "Here's a piece of rubber tire in my hash."

Waiter: "No doubt. The motor is replacing the horse everywhere."—Medley.

## LIFE OF OIL WELLS

### Considerable Depends On Location— Some Official Figures

Central Illinois has become one of the great oil fields of the country. For three years the district south of Vandalia, which is seventy miles south of Decatur, has been in a turmoil of excitement. Land leasing, feverish haste in drilling wells, high hopes suddenly realized or all too often dispelled by failure and financial ruin have been common daily incidents in the industry. After a strike has been made there comes another worry, as to how long the well will flow. Oil wells, like a bumptious braggart, have a bad fashion of suddenly exhausting themselves, after giving early evidence that they really amounted to something.

#### Much Depends On Location

However, the experts have been able to throw some light on the subject of how long an oil well will last on the average. The Bureau of Mines say that a great deal depends on location and cites the following computations.

Bartlesville Field, Oklahoma, 13 to 15 years; Northern Texas and Louisiana, with the exception of the Ranger, Towell and Mexia Fields, 15 to 20 years; Southeastern Ohio, 10 to 15 years; San Joaquin Valley, California, 20 to 25 years; Appalachian Sections of West Virginia and Pennsylvania, 20 to 25 years.

#### Time Is Variable

Attention is called to the fact that the life of an oil well is variable. The rate of development is very important. Rapid drilling and rapid production will lessen the life of a well while gradual drilling and gradual production will lengthen the life.

Illinois does not figure in this information, presumably because the figures were given before oil production became of sufficient importance in this state.

■ ■ ■

#### European Style

"Isn't there a piece missing from this chess set?"

"Why, no. Here's the king, queen, bishop, knights, castles and pawns."

"Well, where's the dictator?"

#### A Genius

Widowed Mother: "No, Sonny, I'm rich." "I have you and Billy, and you are worth millions to me."

Sonny: "Then couldn't you take out a mortgage on Billy and buy me a pair of roller skates?"



## NEWLY WEDS



### Organizing

Bridegroom: "And now, dear, that we are married, let us have an understanding about our affairs. Do you wish to be president or vice-president?"

Bride: "Neither. You be both. I'll just be the treasurer."

### Signed, Sealed and Delivered

Bride: "Did I look nervous during the ceremony?"

Bridesmaid: "No, darling, not after Jack said 'I do'."

### Gay Deceiver

"So your husband has been deceiving you, has he?"

"Yes, I've been giving him a dime every day to ride to work and now I find he's been walking and spending the money."

He: "Who spilled mustard on this waffle, dear?"

She: "Oh, John! How could you? This is lemon pie."

### Asleep At The Switch

"Your husband looks like a brilliant man. I suppose he knows practically everything."

"Don't fool yourself; he doesn't even suspect anything."—Bindery Talk.

### What Odds

Wife: "I've put your shirt on the clothes horse, Jim."

Jim: "What odds did you get?"

### Works In The Dark

Wifey: "Marie, don't you think my husband is a dimwit?"

Marie: "Oui, madame, he ees verree amusing in ze dark!"

### New Deal

"Your husband has changed so that I didn't recognize him."

Mrs. D.: "It isn't that; I've changed husbands."

### A Vision of France

"Harry surprised me by telling me we were going to France on our honeymoon."

"How nice, and how did he spring it on you?"

"He said that as soon as we were married he would show me where he was wounded in the war."

### He Did

"How did the Dulan wedding come off?"

"Fine until the minister asked the bride if she would obey her husband."

"What happened then?"

"She replied, 'Do you think I'm crazy?' Then the groom, who was in a sort of daze, answered 'I do'."

"We have been married a year and never quarrel. If a difference of opinion arises, and I am right, my husband gives in."

"But what if he is right?"

"That has not yet occurred."

### Played Fido

Shoeless, he climbed the stairs, opened the door of the room, entered, and closed it after him without being detected. Just as he was about to get in bed his wife, half-aroused from slumber, turned and sleepily said:

"Is that you, Fido?"

The husband, telling the rest of the story, said:

"For once in my life I had real presence of mind. I licked her hand."

### Thieving All Around

Wife: "The new washwoman has stolen two of our towels."

Hubby: "The thief! Which ones, dear?"

Wife: "The ones we got from the Hotel Pennsylvania in New York."

### Oh Yes!

Man: "Do you know, honey, if I had it to do all over again, who I'd marry?"

Wifey: "No. Who?"

Man: "You."

Wifey: "Oh, no you wouldn't."

### They All Bite

There are some 2,000 different kinds of mosquitoes in the world.

MERRY CHRISTMAS AT MUELLERS  
(Continued from Page 28)

For each accepted suggestion the company paid \$2.50.

No. of Winners	No. of Suggestions	Prize for Ea. Sug.	Total Paid
50	1 ca.	2.50	\$125.00
21	2	"	105.00
8	3	"	60.00
4	4	"	40.00
3	5	"	37.00
2	7	"	35.00
1	8	"	20.00
1	10	"	25.00
1	15	"	37.50
1	16	"	40.00
1	35	"	87.50

\$611.50

In addition to the above there were other prize winning possibilities in the suggestion award plan.

An additional \$2.50 was given to those who submitted 5 and less than 10 suggestions, which were accepted. There were six persons doing this.

One man won \$5 extra by submitting 10 suggestions and less than 15.

Two won \$7.50 extra by submitting 15 and less than 20.

The big winner was W. H. Bradley who won \$17.50 on 35 suggestions and less than 40. This brought his prizes up to \$87.50, which made him high man in all the contests.

Fourteen girls were numbered among the winners, both office and factory being represented.

There are two men in the organization who have served 45 years — Bernard J. Marty and William Campbell, but no service award is given for that period. A diamond studded emblem is given at fifty.

At the meeting there were two men who had served forty years, 4 who had served 35 years; eight, 30 years; six, 25 years; sixteen, twenty; forty-one, fifteen; twenty-seven, ten; thirteen, five years. Pins emblematic of these various periods were given.

The annual Christmas parties were held by the office force and the core room. There was a gaily adorned Christmas tree with presents for all, Adolph impersonating Santa Claus. The gifts were of a comic nature and each recipient of a gift was compelled to unwrap it in the presence of the gathering, and to stand for the razzing which generally followed.

Taking all things into consideration the parties were right up to par.

The children's Christmas party Saturday, December 16, wound up the festivities. There were Christmas carols, moving pictures and a treat afterward.

# YOUR FIRE HYDRANT OF TODAY

## and Tomorrow

### LENGTHENING



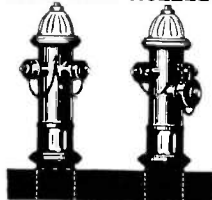
Simply remove safety flange and coupling and add section as shown. Then install solid flange and coupling at lower end of section and safety flange and coupling at upper end. No water cut-off; no digging.

### SWIVELING



Simply loosen the eight bolts that hold the safety flange in place and swivel hydrant to any degree of a circle. No digging. No water cut-off.

### CHANGING NOZZLES



Safety flange offers convenient way of removing barrel section having only hose nozzles, and replacing it with section having both hose and steamer nozzles. No water cut-off. No digging.

The growth of communities often makes it necessary to change present fire hydrants. Maybe there is a change in grade levels and the hydrant has to be lengthened, or maybe the nozzles have to be swung to a different position or perhaps a steamer nozzle should be added in order to give adequate protection. The MODERN fire hydrant must be designed and constructed so that it can be adapted to meet these changing conditions with a minimum of expense, and the MUELLER-COLUMBIAN offers the practical solution.

All of these changes are made, as illustrated, without digging, without water shut-off, and with minimum expense. In addition to these features, the MUELLER-COLUMBIAN offers the unduplicated feature of the Self-Oiling Top, large double drain valves that are positive protection against freezing, easy main valve removal, cut resistant long life chrome tanned leather main valve, and the famous safety-flange that confines breakage by trucks and automobiles to a few inexpensive parts.

These are just a few of the reasons that make the MUELLER-COLUMBIAN FIRE HYDRANT the hydrant of today AND tomorrow. Ask any Mueller representative for the complete story or write direct to

**MUELLER CO.**  
CHATTANOOGA, TENN.

Factories: Decatur, Ill., Chattanooga, Tenn., Los Angeles, Calif., Sarnia, Ont.  
Branches: New York and San Francisco.

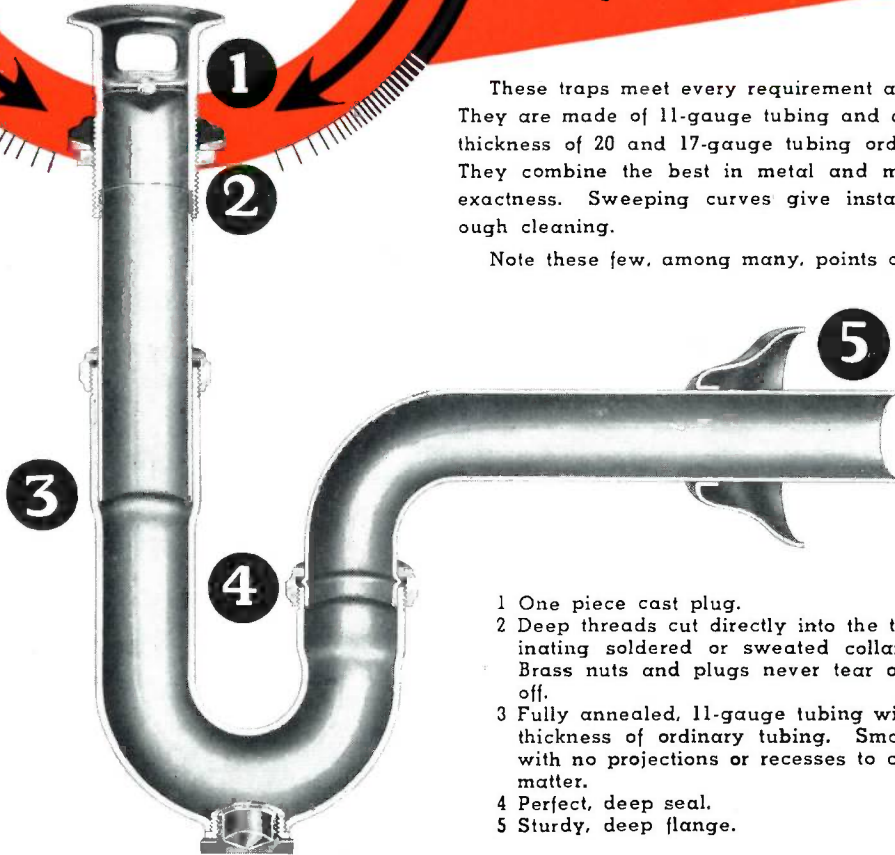
# MUELLER COLUMBIAN

MUELLER RECORD

# MUELLER TRAPS

## SEAMLESS SOLDERLESS

UPHOLD YOUR REPUTATION  
FOR GOOD WORK  
AND THE CUSTOMER'S  
EXPECTATION OF  
GOOD SERVICE



These traps meet every requirement and condition. They are made of 11-gauge tubing and are twice the thickness of 20 and 17-gauge tubing ordinarily used. They combine the best in metal and manufacturing exactness. Sweeping curves give instant and thorough cleaning.

Note these few, among many, points of superiority:

- 1 One piece cast plug.
- 2 Deep threads cut directly into the tubing, eliminating soldered or sweated collars or joints. Brass nuts and plugs never tear out or break off.
- 3 Fully annealed, 11-gauge tubing with twice the thickness of ordinary tubing. Smooth interior, with no projections or recesses to collect waste matter.
- 4 Perfect, deep seal.
- 5 Sturdy, deep flange.

Traps have long been a source of trouble to owners and plumbers alike because made of flimsy material with sweated on collars and joints. Mueller Co., years ago, recognized the IMPORTANCE of a trap in the plumbing system, and produced this solderless and seamless trap which out-lives the building and fixtures.

Trap troubles are a Thing of  
the Past with Thousands of  
Plumbers who have adopted this  
**MUELLER MASTERPIECE**

FACTORIES: DECATUR, ILL. — CHATTANOOGA, TENN. — LOS ANGELES, CALIF. — SARNIA, ONT.

# MUELLER CO.

DECATUR ILL.



# TAKE TROUBLE BY THE HORNS

Trouble with difficult installation or maintenance problems is made easy with Mueller Pressure Control Fittings and Equipment. It is only necessary to go to the exact location desired, isolate a section of the line, redirect the gas around it, and make the necessary repairs, extensions, tie-ins, etc., without the inconvenience of locating the nearest valve, shutting down the line or interrupting service.

The use of this equipment assures a positive shutoff ANYWHERE. Welding opera-

H-10420  
PLUGGING  
UNIT



H-10422  
WELD TYPE

H-10424  
MECHANICAL  
JOINT TYPE



tions may be carried on with absolute safety, fittings need not be installed until the occasion arises, and then at the exact location desired. The inconvenience and expense of shutting down the line is eliminated as service continues without a seconds interruption or loss of pressure.

Let us explain how the use of this equipment will show definite savings in both installation and maintenance expense. Write us today for full information.

# MUELLER CO.

DECATUR, ILLINOIS

LOS ANGELES, CAL.  
CHATTANOOGA, TENN.

SARNIA, ONTARIO  
NEW YORK, N. Y.