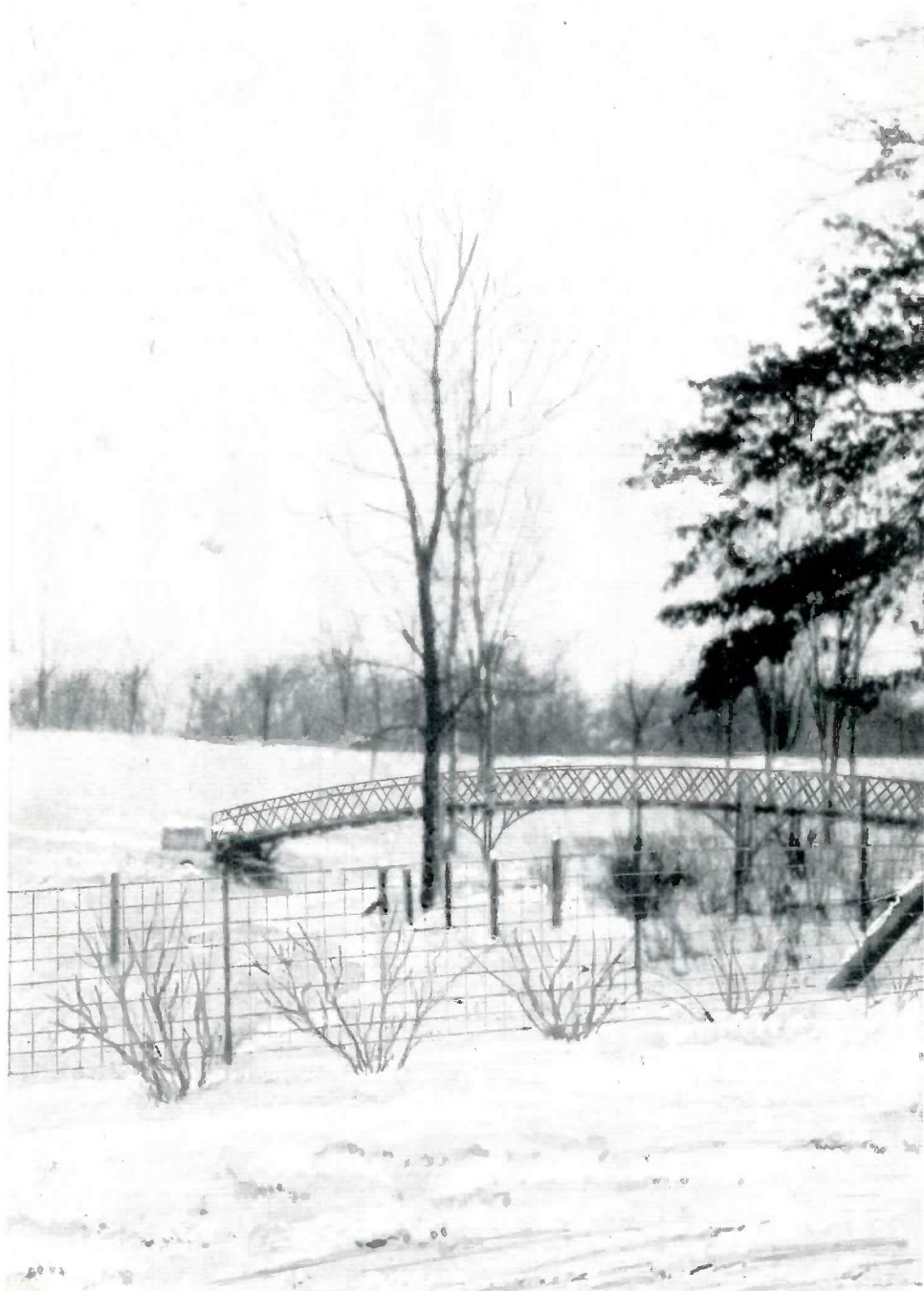


MUELLER RECORD



FIRST SNOW—FAIRVIEW PARK, DECATUR

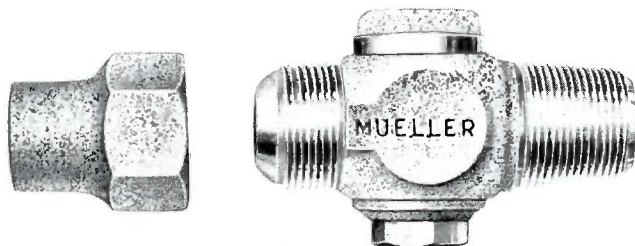
—Photo Mrs. C. N. Wagenseller.

JANUARY 1933

USE NOTHING BUT

Mueller Corporation Stops

FOR DEPENDABLE SERVICE



G-15000

There is nothing of greater importance in water works practice than a reliable, dependable corporation stop. The stop of itself is inexpensive—BUT IT COSTS MONEY TO PUT IT UNDERGROUND.

And it costs more money to dig up and replace it if it goes to the bad. Take no chances. Bury a Mueller Corporation Stop and forget it with the assurance that it will not fail you.

Let Us Have
Your Orders
For
Early Season's
Requirements

• •
Remember!
Returning
Prosperity
Will Bring
Higher Prices

• •
NOW IS THE
TIME TO BUY.

Thousands of Mueller stops have proved their worth over three quarters of a century. They are made under strict laboratory control, by expert molders, finished on modern machines, and EVERY STOP is tested under TWO HUNDRED POUNDS HYDRAULIC PRESSURE.

Mueller's Precise, exacting, careful manufacturing methods have never varied—they are the same day in and day out.

Trade Mark
MUELLER
Reg. U. S. Pat. Off.

MUELLER CO.
DECATUR, ILLINOIS

Branches: New York
San Francisco
Dallas

Contents This Number

	Page
January in History	4
New Year's Resolutions	4
Valued Honor More Than Life	5
I'm Tellin' You	6
Don't Overlook It	8
It's a Mess	9
Automatic Heat Control	9
Leap Year Has Gone	11
Volcano, Calif., Lights Up	11
College Humor	12
Fell for His Own Bunk	13
Judicious Spending Might Help	13
School for Mountain Children	14
New Year's Day	15
The Suggestion Prize Winners	16
Plumbers Going to New Orleans	18
Santa Meets Mueller Kiddies	20
In the Office	22
Safeguards at Every Step	23
Safety News	24
The Cost of Play	25
Doctor Jokes	26
Mueller Bevel Connector Hanger	27
Athletics	28
Bowling an Ancient Game	29
About Tapping Machines	31

THREE-QUARTER OF A CENTURY OF PROGRESS

The little shop in Decatur in 1857 from which grew the Mueller industries pictured below.



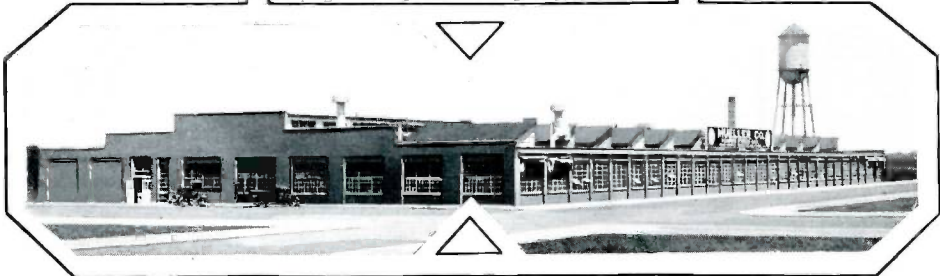
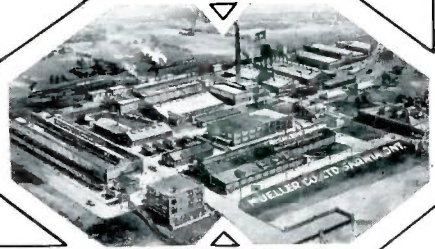
In this modest building in 1857 H. Mueller began a lifetime of service to health and sanitation.



Below is Plant 2, East Eldorado St., where all Mueller black and galvanized iron goods are manufactured, including service boxes, service clamps, etc.

The main plant on Cerro Gordo Street, where all plumbing, water and gas brass goods are made. The main office is in a three-story building on College Street.

Above: Building with rounded roof is Mueller Club House, including Gymnasium and Cafeteria.
Below: Our Canadian factory, Sarnia, Ont.



Mueller Vitreous Ware Plant where toilet combinations, lavatories, drinking fountains, etc., are manufactured. This building is approximately 600'x200', west of it is a big warehouse and shipping room.

<p>OFFICERS ADOLPH MUELLER <i>Pres. and Gen. Mgr.</i> ROBERT MUELLER <i>V. P. in Charge of Pub. Rel.</i> W. E. MUELLER <i>Executive V. P. and Treas. in charge of Finance, V. Chmn. Ex. & Budget Com.</i> LUCIEN W. MUELLER <i>V. P. in Charge of Works Management & Engineering</i> J. W. SIMPSON <i>V. P. in Charge of Selling</i> J. W. WELLS <i>Sec. of Company and Asst. to President</i> R. H. MUELLER <i>Chief Engineer</i></p>	<p>MUELLER RECORD</p> <p>PUBLISHED AT DECATUR, ILLINOIS BY MUELLER CO.</p> <p>Plumbing, Water and Gas Brass Goods</p> <p><i>76th Year in Business</i></p>	<p>MAIN FACTORY AND OFFICE Decatur, Illinois</p> <p><i>Seventy-Five Years of Service to Health and Sanitation</i></p> <p>BRANCHES New York, San Francisco Dallas</p> <p>CANADIAN FACTORY MUELLER, LTD. Sarnia, Ontario.</p>
--	--	--

Vol. XXII

JANUARY, 1933

No. 239

May your New Year be full of gladness without a whit of sadness.

—o—

If you made New Year's resolutions, keep them to yourself, and thereby save yourself unpleasant explanations when you break them.

—o—

Members of the City Council of Miami do not believe in hiding their light under a bushel. At a recent meeting they increased their municipal publicity fund \$10,000, bringing the total up to \$25,000. The additional sum will be expended in northern newspaper publicity. Back of the gaiety, care-free pleasure, troubles of life and the dreamy atmosphere of this famous southern city of sunshine, there is a practical citizenry appreciating all of the glories of their location, scenery, climate and lure of the ocean. And they are sensible and practical enough to keep these facts before the public through newspaper and magazine publicity. Good business.

—o—

Who was it said "Don't swap horses in the middle of a stream?" Abraham Lincoln is generally credited with having originated the remark, but one of his biographers says it was borrowed from a Dutch farmer which we are inclined to believe. It sounds like Pennsylvania Dutch. Then we are a doubting Thomas. Too many funny stories, trite sayings, and humorous retorts have been credited to Lincoln. It's quite the thing for a modern story teller to say this is one of Abe Lincoln's. Whenever we hear a story teller say this we begin looking about for a chance to escape.

THE PRICELESS INGREDIENT

In old Bagdad there lived a wise man. His name was Hakeem. It was to him that the people turned for advice, knowing him to be learned and truthful. Among his callers was a young man who spent his money recklessly and for which he got little value in return. He asked Hakeem what to do to receive the most for his money, and this was Hakeem's reply:

"A thing that is bought or sold has no value unless it contains that which cannot be bought or sold. Look for the priceless ingredient."

The young man knew no more than before and asked "What is this priceless ingredient?"

The wise Hakeem answered:

"My son, the Priceless Ingredient of every product in the market place is the honor and integrity of him who makes it. Consider his name before you buy."

And the wisdom of Old Hakeem in centuries ago is the wisdom of wise buyers today. The priceless ingredient of every article—the honor and integrity of the maker—is unseen by the purchaser but for the purchaser's protection the name of the maker is stamped on the goods. As a rule, goods that do not bear the name of the maker do not possess the priceless ingredient, either in workmanship or material.

—o—

The latest survey of water works plants in the United States shows 7736, municipally owned, and 2855 privately owned.

THE MUELLER RECORD

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

C. N. WAGENSELLER, EDITOR

JANUARY IN HISTORY

1. New Year's Day.
2. Georgia fourth state to ratify U. C. Constitution, 1778.
3. Washington's Victory at Princeton, N. J., 1777.
4. Utah admitted to the Union, 1896.
5. "Battle of the Kegs" first use of floating mines in U. S. Military history, Philadelphia, 1778.
6. New Mexico admitted to Union, 1912.
7. Millard Fillmore, 13th President, born, 1800.
8. Jackson Day, Americans defeat British at New Orleans, 1815.
9. Connecticut fifth state to ratify U. S. Constitution, 1788.
10. Ethan Allen, hero of Ticonderoga, born, 1737.
11. Alexander Hamilton, first Secretary of Treasury, born, 1757.
12. John Hancock, statesman, born, 1737.
16. Eighteenth amendment in effect, 1920.
18. Battle of Frenchtown, River Raisin, Mich., 1813.
19. Robert E. Lee, Confederate General, born, 1807.
20. Robert Morris, financier of Revolution, born, 1734.
21. John C. Fremont, explorer and soldier, born, 1813.
22. Battle with Creek Indians at Tallapoosa River, Ala., 1814.
23. First use of radio telegraph to save lives in marine disaster, S. S. Republic, off Nantucket, 1909.
24. Gold discovered at Sutters Mill, near Coloma, Calif., 1848.
26. Michigan admitted to statehood, 1837.
27. Charter granted University of Georgia, 1785.
29. William B. McKinley, 25th President, born, 1843.
- Kansas admitted to statehood, 1861.
30. The Ironclad Monitor launched 1862.

Song of the Traveling Man

She was "Mazie" in New Haven,
She was "Bess" in San Antone,
She was "Fanny" up in Portland,
In Akron she was "Leone."
She was "Gladys" in St. Louis,
She was "Flo" in Abilene,
But in my expense account, you bet,
She was "Meals" and "Gasoline."

—(From Mo. Pacific Lines Magazine.)

Every time a man uses his mind he strengthens it. Every time a man uses courage he makes it greater.—Cabot.

CIRCUMSTANTIAL EVIDENCE

Even the cleverest and most perfect circumstantial evidence is likely to be at fault after all, and therefore ought to be received with great caution. Take the case of any pencil sharpened by any woman; if you have witnesses you will find she did it with a knife, but if you take simply the aspect of the pencil, you will say she did it with her teeth.—Mark Twain.

NEW YEAR'S RESOLUTION

Nearly every one makes resolutions the beginning of the year. The majority of them are broken before the month ends. A few with dogged determination go through the year because of a high sense of a self-imposed moral obligation, but inwardly condemning themselves for assuming the burden.

In the day when men drank deep and long, it was customary to swear off on liquor. More should do so now—the liquor is more to be shunned. It's good to make resolutions and some are suggested:

Don't talk too much, and you won't have to deny so much.

Set a good example for the children—they are impressionable. You may make them believe you amount to something, if the wife doesn't spill the beans.

Don't start a fight with the wife in the presence of the children. They'll side with maw and you may have to beat up the whole family to win.

Don't say "who t'ell's drivin' this car" if you are offered first aid from the back seat. It's a woman's right to talk and she assumes the right to the last word, so you are licked before you start.

Don't tell the children they must not do certain things. They know it as well as you do—but they'll do it just the same. Youth must have its fling, you know.

If you must fight the missus always throw the heaviest plate first, leaving her the light chinaware with which to miss you.

Always leave something to do to the car and you'll never be without an excuse when she wants you to go with her to call on the Joneses.

Keep on playing up the depression—nothing better for keeping down dry goods bills. Support this with "you never look so pretty as you do in a house dress." Once in a thousand times this goes over. The other 999 times she says "Boloney."

After the last of the dinner guests had taken their departure, Mrs. Jones rang for the cook. "Nora," she said, "I found a rubber glove in the soup tonight."

"Oh, thank you, mum!" was the grateful reply. "I thought I'd lost it."

VALUED HONOR MORE THAN LIFE

Birthday of Alexander Hamilton Recalls Historic Duel.

January 11th marks the 180th birthday of Alexander Hamilton, the first secretary of the treasury. He was a powerful constructive force in the development of the United States. Historians place him next to Washington and Lincoln. His organization of the treasury department was so thorough, the principles so true, that they have endured today with little change. Brilliant financiers have since held the treasury portfolio, but have not had the temerity to undertake any radical departure from the plans and policies established by the great Hamilton. To compare any latter day secretary of the treasury to Hamilton is considered the highest compliment.

Hamilton was born at Nevis, West Indies, and was probably the natural son of James Hamilton, a Scotchman and Rachel Tevine, a woman of Huegonot descent. She died when he was a child. In his early schooling he displayed unusual intellectual capacity.

Remarkable Mentality

At the age of 15 years he was sent to the United States and studied in a grammar school at Elizabeth, N. J., afterward entering King's College, now Columbia University. His remarkable mature mentality at the age of 17 attracted attention. His understanding of governmental, economic, and financial problems was a marvel to those who knew him. He was an earnest supporter of the colonies, a colonel under General Washington, a member of the Continental Congress, later a congressman and then the first secretary of the treasury from 1789 to 1795.

Writer of Pamphlets

Like many of the statesmen of his time, he was a great and powerful writer of pamphlets on political subjects. Although a loyal subject of the United States, he was an ardent admirer of the British form of government with little faith in the masses and did not believe that majorities were necessarily right, a belief which many good Americans still hold.

Hamilton's predilection for pamphlet writing brought about the deplorable duel with Aaron Burr. An indiscreet anti-Adams pamphlet defeated the Federalists in 1800, Congress called upon to decide between Jefferson and Burr. Hamilton took the side of the former, thereby intensifying the hatred of Burr.

Challenged to Fight

The latter challenged him to a duel which was fought at Weehawken, N. J., July 11, 1804. While he abhorred duelling, Hamilton felt honor bound to accept the challenge, deciding to fire his own pistol in the air. He fell mortally wounded, dying the next day.

On the evening of July 10th, knowing that he was going to his death, he wrote this tender, beautiful letter to his beloved wife.

It shows, better than all else, his gentle character and his high sense of honor:

Best of Wives—Best of Women

New York, July 10, 1804.

This letter, my dearest Eliza, will not be delivered to you, unless I shall first have terminated my earthly career, to begin, as I humbly hope, from redeeming grace and divine mercy, a happy immortality. If it had been possible for me to have avoided the interview (duel) my love for you and my precious children would have been alone a decisive motive. But it was not possible, without sacrifices which would have rendered me unworthy of your esteem. I need not tell you of the pangs I feel from the anguish I know you would feel. Nor would I dwell on the topic, lest it should unman me. The consolations of religion, my beloved, can alone support you; and these you have a right to enjoy. Fly to the bosom of your God and be comforted. With my last idea I shall cherish the sweet hope of meeting you in a better world. Adieu, best of wives—best of women. Embrace all my darling children for me.

AMONG THE OLD TIMERS

William Wall, now living with his son near Lake City, is in better health than he was two months ago.

August Kush, William Hill, G. Gollembeck, and Theodore Shepherd report each month that they are still living and expect better times.

John Faith is in the Decatur and Macon County Hospital receiving care for a paralytic stroke.

W. P. Deverell has been working at his trade as toolmaker for Chambers, Bering & Quinlan Co.

F. O. Zetterlind is able to be about and would welcome a visit from his friends. He lives at 540 West King street.

INCREASING STOCK



Bill—Funny thing about you.

Helen B.—What's that?

Bill—The oftener you lose your temper the more you have to display.

I'm Tellin' You



Nineteen Thirty-Three

So it's you, is it? Nineteen Thirty-Three.
What have you that is of interest to me?
Three hundred and sixty-five brand new
days!

With many chances for mending my ways.
It sounds very good and no doubt is true
And certainly makes me a debtor to you.
But how can I cast off fetters of old?
And how can I win a big pot of gold?
Easy, you say, well tell me your plan;
I'll try my best and do what I can.
"So live each day as man should live;
Remember you get back just what you give.
You may not win gold, you may not win
fame,
Far better than that, you will win a good
name.
A jewel so rare fond memory will keep
Years after you fall into nature's last sleep."

—o—
And this happened in our family:

The Missus (getting the wrong telephone
number)—Who is this?

Answer—Moran's Undertaking Parlor.

The Missus—Say, I don't want you yet.

Answer—Very well, madam, when you do,
call. We will give you excellent service.

—o—
Frisk yourself and see if you have any of
this—\$700,000,000 more dollars in circula-
tion than in boom times.

—o—
Now Mr. Roosevelt et al, the first thing
to do is to find "that corner."

—o—
New Year. More fear? No, more hope,
more confidence, more courage, and more
success.

—o—
Apropos of elections. In Africa some
tribes determine choice of a chief by spin-
ning a cocoanut. It's lots quicker and cheap-
er than balloting. And it's a better sporting
proposition—just as easy to guess which
way the cocoanut will fall as to guess how
40,000,000 men and women will vote.

To all defeated candidates of any party
creed or previous condition of servitude, even
though a trifle belated, we suggest a read-
ing of Cardinal Woolsey's lament, particu-
larly the lines which run as follows:

"So farewell to the little good you bear me.
Farewell, a long farewell, to all my great-
ness!

This is the state of man; today he puts forth
The tender leaves of hope, tomorrow blos-
soms,

And bears his blushing honours thick upon
him;

The third day, comes a frost, a killing frost;
And,—when he thinks, good easy man, full
surely

His greatness is ripening—nips his root.

And then he falls as I do. I have ventured,
Like little wanton boys that swim on blad-
ders,

This many summers in a sea of glory;
But far beyond my depth; my high-blown
pride

At length broke under me; and now has left
me,

Weary, and old with service, to the mercy
Of a rude stream, that must forever hide me.
Vain pomp, and glory of this world, I hate
ye;

I feel my heart new opened; O, how
wretched

Is that poor man, that hangs on prince's
favours!

There is, betwixt that smile we would as-
pire to,

That sweet aspect of princes, and their ruin,
More pangs and fears than wars or women
have;

And when he falls, he falls like Lucifer
Never to hope again.

—o—
"In the good old days" now takes on a
new meaning—days prior to 1929 when the
bottom fell out of the markets.

—o—
"The Ladder of Life," says Brownell, "is
full of splinters, but they always prick the
hardest when sliding down." If corrobora-
tion is necessary, ask any defeated candidate
of the last avalanche.

—o—
Attention of legislators afflicted with ca-
coethes loquendi is called to the statement
of Thomas Jefferson that neither Washing-
ton nor Franklin ever spoke for more than
ten minutes on any debatable subject. And
yet they won undying fame.

—o—
Would it not be fine if dozens of state
legislatures now assembling would devote
their time to eliminating obsolete laws or
amending such as are in need of amend-
ments instead of giving us a flood of new
laws. It would, but don't get all pepped

up about it, because they won't do it. There are too many new legislators on deck and too much transitory glory in sight of being the author of a new law.

—o—
It is not solvers of present economic problems that are needed—it's a solvent.

THE CHRISTMAS CARD

It Originated in England in 1846 and Has Had a Steady Growth.

Millions of Christmas greeting cards found their way through the mails during the holidays of recent memory. Hundreds of thousands of dollars were spent on them and on postage to carry each piece to its destination. Few, if any, sending or receiving these messengers of good will, knew little and cared less where the custom originated or how it has grown to world-wide proportions. Joseph Crundall, a London artist, was the man who inaugurated the custom and little did he think that one day Christmas greeting cards would be of such importance as to justify a big business undertaking to meet the demands of the public. The Christmas greeting card was launched by Mr. Crundall in 1846. But he was honest and square enough to give the credit for the idea to Sir Henry Cole, according to Wm. S. Walsh in his book, "The Curiosities of Popular Customs." The drawing for the card was made by a member of the Royal Academy, and was lithographed and colored by hand. The fact that the sale of this original card reached 100,000 indicates an immediate popularity. It was sixteen years later that the custom of sending cards became a general practice, and it was about that time that various sizes and shapes of cards were experimented with. The growth of the card dates from this latter period. Today the custom is common throughout the world. One would think new designs and decoration would be exhausted, but the card, like the day, is always new as well as old. Today the cards are prettier than ever and the prices range from a penny a piece to almost anything one wishes to pay. The decoration may be anything from plain printing to steel engraving or hand painted in one design or individual designs.

Mr. Crundall surely started something nearly a hundred years ago that it now seems cannot be stopped. Christmas and Christmas cards seem destined to go on forever.

SOME ONE SAID SOMETHING

In the "Elk's Magazine" John R. Tunis says: "Some one remarked recently that the only perfect thing which our civilization has produced is sanitary plumbing." We do not know who this some one was but are inclined to feel that he was hitting pretty close to the truth.

France has the fastest war vessel. It recently steamed at more than 46 miles an hour.

HOW TO GET RICH

The man who starts out with the idea of getting rich won't succeed; you must have a larger ambition. There is no mystery in business success. If you do each day's task successfully, stay faithfully within the natural operations of commercial law, and keep your head clear, you will come out all right.—Rockefeller.

PUT ON PONY SHOW

Harold A. Best, a Wide-Awake Plumber, Gets a Crowd.

Down in Allentown, Pa., 608 Walnut Street, there is a wide-awake plumber. His name is Harold A. Best, whose letterhead announces not only his name but carries the significant phrase "Better Plumbing and Heating." Recently two diminutive horses were exhibited there and Mr. Best, alive to a good advertising opportunity, borrowed them for a few days and made the little animals comfortable and at home in his show window. Tiny Mite, four years old, weighs 70 pounds, and Little Bit, five years old, weighs 60 pounds. These small animals are owned by Robert T. Muffley. Through the columns of the newspaper, Mr. Best invited the public to call and see the little horses. And the town turned out, big and little. It was too good a show for nothing to be overlooked. Incidentally, Mr. Best closed a number of sales, got in touch with new prospects, and made his store and name known to every one in the city. Good advertising.

ON THE AIR

Winston Wells, son of our J. W. Wells, is now a radio artist at the Campus Station, WILL, University of Illinois, where he is a student. Winston has two pronounced ambitions—electricity as a profession and the pipe organ as a diversion. Throughout his boyhood and youth his parents have experienced some difficulty of separating him from either of these ambitions long enough to come to his meals or go to bed, if he happened to be studying one or the other at the moment. His devotion to either music or electricity seemingly points to success in which one of the two finally wins out in his future development. At present he is studying at the U. of I. to fit himself for the profession of electrical engineering with his music as a side issue.

Decatur friends of the young man, wishing to hear his organ broadcast, may do so by tuning in on WILL Monday, Tuesday, Wednesday or Thursday from 11:15 a. m. to 12 m. or on the first Saturday night of each month from 12:00 midnight to 12:30 a. m. or from 1 to 1:15 a. m.

DON'T OVERLOOK IT

There Is An Announcement on the Inside Back Cover Page of Real Interest To Plumbers

Master plumbers are invited to read the advertisement on the inside back cover of this issue of the Mueller Record. It announces an entirely new line of Mueller goods—THE STAPLE LINE—the line with INBUILT QUALITY and better than most regular lines.

It is a difficult matter to pick out any difference between this Mueller staple line and the Mueller regular line, because the Mueller staple line in the metal used, in the chromium plate, in the workmanship, and in the service giving qualities is the same. The only difference is not visible. That is confined in the main to new methods of factory procedure which have enabled us to produce a line that FITS THE PURSE OF THE BUYER OF TODAY without detracting from the high grade standards characterizing Mueller plumbing goods for three quarters of a century. We say with all the confidence born of experience that these goods will give your trade a full measure of value. If we did not have this confidence you would not find the name MUELLER stamped on every article in THE MUELLER STAPLE LINE. Our plumbing division will gladly quote prices to you or give you any desired information.

MILD THIS TIME

A number of our people have been temporarily disabled by the "flu," but the attack is milder this year than on some occasions in the past. Folks have learned that the proper thing to do is to go home and go to bed and take care of themselves and not try to work in a weakened condition.

Nervous Suitor—I've come to see your sister.

Little Brother—Yes, she's been expecting you.

Nervous Suitor (beaming)—Ah, that's good. Here's a quarter for you. How do you know she's been expecting me?

Little Brother—She's gone out.

PERSONALITY

Every one now believes that there is in man an animating, ruling, characteristic essence or spirit, which is himself. This spirit, dull or bright, petty or grand, pure or foul, looks out of the eyes, sounds in the voice, and appears in the manners of each individual. It is what we call personality.—Charles W. Eliot.

NEW OFFICERS

Southwest Water Works Association Meets at Oklahoma City in 1933.

The next meeting of the Southwest Water Works Association will be held in Oklahoma City. Generally, this association meets in October. The dates for the convention will be announced later.

The 1932 meeting at Ft. Worth was very successful and was well attended. The officers elected are as follows:

President, Chas. F. Linck, superintendent water department, Leavenworth, Kansas.

Vice-President, W. H. Vaughn, water commissioner, Fort Smith, Arkansas.

State Governor for Arkansas, D. Y. McDowell, superintendent water works, Malvern.

State Governor for Oklahoma, T. G. Banks, superintendent of city water department, Oklahoma City.

State Governor for Louisiana, R. H. Brooks, superintendent of water works, Ruston.

State Governor for Kansas, H. H. Huffman, superintendent water works, Topeka.

State Governor for Missouri, Leonard A. Day, engineer in charge of operations, St. Louis.

State Governor for Texas, Dr. A. H. Douglas, superintendent city water department, Wichita Falls.

Lewis A. Quigley, superintendent of the water department at Fort Worth, was re-elected secretary-treasurer.

BIRTHS

MORGAN—Mr. and Mrs. LeRoy, Dept. 8, a son, January 3rd.

CURRY—Mr. and Mrs. John, Dept. 17, a son, December 19th. He has been named Lawrence David.

DICKEY—Mr. and Mrs. Everett, Claim Dept., a daughter, Cynthia Ann. October 12th.

CORNELIUS—Mr. and Mrs. C. M., Employment Dept., a daughter, Carol Ann, October 1st.

ROUSH—Mr. and Mrs. Troy, Sales Dept., a daughter, Patricia, August 2.

SEPTON—Mr. and Mrs. Archie, Machine Shop Plant 2, a son, Bobbie Ray, July 29th.

BRILLEY—Mr. and Mrs. Mike, Dept. 30, a son, Gerald Michael, July 24th.

Home Brew Gas Bill

Paul Clements, writing in the Gas Age Record, figures that the "home brew industry" means additional revenue to gas companies of \$1,762,000 annually. This indicates that the industry is more general than was supposed.

The professor who sent his wife to the bank and kissed his money good-bye wasn't so absent-minded, at that.

IT'S A MESS

The Name of Engineer in Problem Published in Record Is Smith or Jones?

In the September issue of the Mueller Record we published a problem, which has become known as "The Engineer Problem," promising to print the answer in the November issue. This oversight brought many letters from readers who had become interested. This problem has been published frequently in various magazines and always excites a great deal of interest. Because of our oversight, we are republishing the problem and the answer.

Problem

On a train the names of the fireman, brakeman and engineer are Smith, Jones and Davis, not respectively. On the same train there are three passengers of the identical names: Mr. Smith, Mr. Jones, and Mr. Davis.

1. Mr. Davis lives in Detroit.
2. The brakeman lives half way between Detroit and Chicago.
3. Mr. Jones earns \$2000 per year.
4. Smith beats the fireman at billiards.
5. The brakeman's nearest neighbor, one of the passengers, earns exactly three times as much as the brakeman does.
6. The passenger with the same name as the brakeman lives in Chicago.

What is the name of the engineer?

Solution

The brakeman's nearest neighbor, one of the passengers, who earns exactly three times as much as the brakeman, cannot be Mr. Davis who lives in Detroit, since the brakeman lives half-way between Detroit and Chicago. It is not possible that it is Mr. Jones, since he earns only \$2000 a year, and therefore, since Mr. Davis lives in Detroit, Mr. Jones not being the brakeman's nearest neighbor, must live in Chicago and then, by elimination, it must be Mr. Smith who is the brakeman's nearest neighbor earning exactly three times as much as he does.

Since Smith beats the fireman at billiards, then the fireman's name cannot be Smith, and since Jones is the name of the brakeman, then the fireman's name must be Davis—leaving the engineer's name to be Smith.

Editor's Note: We refuse to accept any responsibility for the correctness of the answer. Since the above was written a copy of "School Science and Mathematics" came into our hands and in it we find the answer as ascertained by Rose F. Safrin, Department Secretary, West High School, Rochester, N. Y. Three persons in that school got the same answer, "Smith," in the following time:

A Teacher	30 minutes
A Laboratory Asst.	15 minutes
Dept. Secretary	5 minutes

"School Science and Mathematics" says it is "Smith," and then spills the beans by add-

ing this note: "(P. S.—Next month we will prove that Jones is the engineer.)"
We say with Andy—"—it's a mess."

AUTOMATIC HEAT CONTROL

The Mueller System Has Proved It's Reliability and Efficiency.

On page 10 on this issue is an advertisement of the Mueller System of Hot Water Heat Control. Probably you are familiar with it—most plumbers are. If you are not, your investigation is invited. Thousands of these systems are in use. They have in actual service proved beyond a shadow of a doubt everything we have claimed for them. They make unnecessary the use of any kind of expansion tank. They have solved the problem of hot water heat control, increased the efficiency of the heating plant at a small cost, given protection against the danger from overheated water, and being entirely automatic, eliminated the annoyance and labor of human control.

Fresh water in a hot water heating system is necessary for proper circulation and the maximum of heat. This important requirement is taken care of by the Mueller plan.

Entirely Automatic

As soon as the heating system is filled with water the regulating valve closes and no more water can enter. With the heating of the water the pressure increases. When it reaches 25 pounds, the relief valve opens and by releasing a small quantity of water prevents a further rise in pressure. As the pressure falls, the regulator valve opens and again admits additional fresh water. This action is automatically repeated with the invariable result that the pressure never gets above 25 pounds and never below 10 pounds. As these operations are entirely automatic, the Mueller System requires no personal attention except an occasional readjustment of the weights on the damper regulator to control the fire for outside temperatures. This is generally only necessary a few times each winter.

The Mueller system is a decided factor in the saving of fuel. It can be quickly and easily installed. It comes to you assembled and offers a double opportunity for sales—installation on old or new heating plants.

The price is reasonable and sales are not difficult.

FIND A PROSPECT AND YOU HAVE FOUND A SALE.

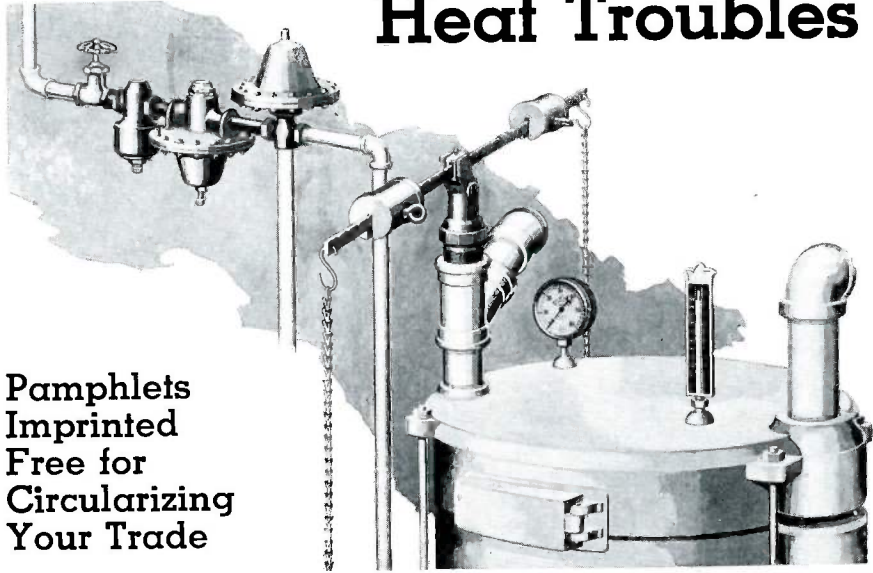
Why Didn't You Protest, Grandma?

Grandma—Yes, I feel much better now, and I don't think there is anything wrong with my appendix. But it was nice of the new minister to call and see about it.

Daughter—But, mother, that wasn't the new minister, that was a specialist from the city who examined you.

Grandma—Oh, he was a doctor, was he I thought he was a little familiar for a minister.—National Farm Journal.

The Answer To Hot Water Heat Troubles



**Pamphlets
Imprinted
Free for
Circularizing
Your Trade**

The simple, efficient, thoroughly dependable Mueller System leaves no reasonable excuse for continued unsatisfactory Hot Water Heat Control.

Escape from this annoyance of poor control is a mere decision to adopt Mueller Hot Water Heat Control System—equally dependable and serviceable on old or new plants.

And the small cost convinces any owner of the uselessness of remaining a victim of inadequate heat control.

He is glad, indeed, to get perfect automatic control which the Mueller System gives.

Mueller engineers worked out the solution of perfect hot water heat control with the added mechanical dependability and reliable protection against over heating with its possible serious consequences.

Thousands of Mueller Automatic Systems of Hot Water Heat Control have made happy and contented homes these cold days at a minimum of trouble and a maximum of heat comfort.

FIND YOUR PROSPECT AND YOU HAVE FOUND A SALE.

Trade Mark

MUELLER

Reg. U. S. Pat. Off.

MUELLER CO., Decatur, Illinois

Branches: New York, San Francisco, Dallas

Canadian Factory: MUELLER, Ltd., Sarnia, Ont.

LEAP YEAR HAS GONE!

Efforts Made During December to Stimulate Action by the "Unattached."

Leap year is gone—and the unattached ladies lose their prerogative of proposing to the man of their choice for another four years. There are a number of single women in our organization, but we don't call them "old maids" because they are "good scouts" and they take good-naturedly the kidding of their co-workers. That's the reason they got as much fun as any one out of the following bulletin posted on the boards early in December with a calendar for the month. As each day passed it was scratched from the calendar to emphasize the fact that the time was growing short. The bulletin:

THE LAST CHANCE
(Calendar)
for
December

Old time is fast aflyin', girls; only 30 days left of Leap Year, and THEN—???

Put on your powder and
Add a little paint.
Make yourselves pretty
And don't feel faint.

Pick out your man and
Tell it to him straight,
That you want to marry him
And just can't wait.

Grab him, girls, grab him,
Grab him while you can.
It may be your last chance
To ever get a man.

OH, HAPPY DAYS



SPECIAL BARGAINS—REDUCED PRICES

(Confirmed Bachelors)
Ed Stille
Tony Yonker
George Krag
Blue Lusk

FRESH STOCK AT SLIGHT ADVANCE

(Young Clerks)
Ben Taylor
Herman Dash

We regret to say that the bulletin produced no matrimonial results, and there does not seem to be any disappointment in the

ranks of the "unattached," but they are not dismayed or disappointed. "Hope springs eternal in the human breast," and the poet, Pope, has told us:

"There swims so goose so gray, but soon or late
She finds some honest gander for a mate."

"Yeah!" says one of the "unattached." "My observation is that most married women got 'ganders' sooner than late. You know Webster's definition of a 'gander' as applied to the male of the human race—a stupid, foolish fellow—a simpleton."

VOLCANO, CALIF., LIGHTS UP

After 83 Years the Little Town Has Electric Illumination.

Volcano, California, is 83 or more years old, but it has been slow to light up. In all those years, residents of this quaint little mining town have been contented and happy with the primitive glow of tallow candles and coal oil lamps. At last the Pacific Gas & Electric Co. comes like an angel out of darkness to lead the Volcanoites into the dazzling brilliance of electric light. The company only recently completed a power line into the little town and on the night of December 3rd, the current was turned on and the inhabitants witnessed a transformation with keen delight. An electric ball was given at the old Armory Hall. There were colored lights and white lights, and there was music and dancing, which we would have enjoyed seeing. With no reflection on the terpsichorean accomplishments of the dancers, we imagine the old timers doing a "hoe down" with vim and enthusiasm. Who wouldn't after 83 years in what one now recalls as semi-darkness?

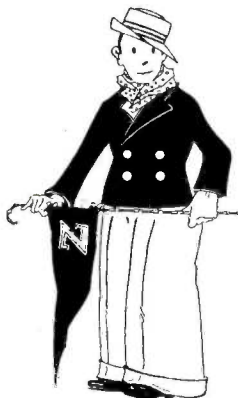
Congratulations to Volcano's good people as well as the Pacific Gas and Electric Company, which has proved a real benefactor to this western community.

KNOWS HIS ART



Manager—Say, I want an actor to take the part of a king. You'll get 50 cents a performance.
Adolph—Sorry, but I can't assume the affairs of state for anything like that amount.

COLLEGE HUMOR

**Snappy Step**

Spring Formal—a marvelous rhythm band, a surging solid of dancers, dim lights, filmy gowns, a couple dancing near a doorway.

She—Oh, I simply adore that funny step. Where did you pick it up?

He—Funny step, hell. I'm losing my garter.

* * *

Let Him Down Easy

Josh—Did you make the debating team?

Jim—N-n-no; they s-s-said I w-w-wasn't t-t-tall enough.

* * *

The Doctor's Orders

She—I warn you, I'm necking against the doctor's orders.

He—Gosh, are you sick?

She—No, but the doctor is my husband.

* * *

Making Aunty Freeze

Co-Ed—How can I make anti-freeze?

Frosh—Hide her woolen pajamas.

* * *

Betty About Out

Matthew—Well, Betty, and what progress are you making toward matrimony?

Betty—I think I'm on the last lap.

* * *

Dad Knew Real Excitement

"Now," said the college man to his dad at the football game, "you'll see more excitement for two dollars than you ever saw before."

"I don't know," replied the old gent, "that's what my marriage license cost me."

* * *

Birth of College Humor

Ike—What are all those groans coming from that room?

Pike—Oh, that's just a couple of college comic editors talking shop.

* * *

For Very Small Volume, Too

Sally—What did you do with your bathing suit during the winter?

Polly—Used it for a book mark.

* * *

Oh, What a Shape

Dirty Deuce—I couldn't sleep last night because the shade wasn't pulled down.

Dumb Bell—Well, why didn't you pull it down?

Dirty Deuce—Couldn't—the shade was across the street.

Maybe There Wasn't Anything

Honkey-Tonk—D'you hear Erica is marrying her X-ray specialist?

Tonkey-Ronk—Well, she's lucky. Nobody else could ever see anything in her.

* * *

Red Light District

Mike—I understand Mrs. Smear objects to that traffic light outside her windows.

Milt—Yes; she says the red light casts such a terrible reflection on her apartment.

* * *

Battle on the Beach

Walt (scratching)—How did you get rid of cooties?

Rick—That's easy. Take a bath in sand and rub down in alcohol. The cooties get drunk and kill each other throwing rocks.

* * *

Bleedin' 'Art

"A man after my own heart," said Antonio, as Shylock approached.—Ranger.

* * *

Out Go the Lights

"The jig is up," said the doctor as the patient with St. Vitus dance died.—Kitty Kat.

* * *

Gidd Ap

Damon—Egad, Pythias, didst enjoy the horse show?

Pythias—Odds bodkins, and how. A marey time was 'ad by all.

* * *

Sounds Like a Dam

"I am feeling increasingly brave," quoth the ancient hero approaching Medusa.

"Yes," she replied as he started to turn to stone, "I notice you are becoming boulder."—Lord Jeff.

* * *

Put a Stamp on This

"Are you a letter man?"

"No, sir. She might want to, but I don't letter."—Carnegie Puppet.

Berlin's school children are badly fed, according to recent statistics. It is estimated that 50,000 of them start their studies breakfastless.

A single pound of the finest spider webs would reach around the world.

A NEW WORLD

And consider, if all the world did as you did, and according to their means extended help in the circle of their affections, there would be no crying want in times of plenty and no more cold, mechanical charity given with a doubt and received with confusion. Would not this simple rule make a new world out of the old and change one which we inhabit?—Robert Louis Stevenson.

FELL FOR HIS OWN BUNK

Town Romancer Puzzled by Acceptance of His Story—Becomes His Own Victim.

There is a certain type of person who finds much entertainment and amusement in recounting fanciful tales of their own invention. They cannot be classed as liars. They are romancers, and once they discover that listeners are always available, they practice their art until it becomes an obsession. Generally they are regarded as queer, and in small communities they are encouraged by their neighbors. A strange characteristic in these romancers, not infrequently developed, is their self-acceptance of their romances as realities—they finally come to believe their own fantastic tales.

Such a person was Ham Taylor, who lived at Cairo, Illinois, where the muddy Ohio delivers its volume of water to the Mississippi. Ham Taylor was much enjoyed by those who knew him because of his elastic imagination which produced lies of colorful wool and warp upon the slightest provocation. Ham never worked. He was kept too busy recounting his experiences and observations for the amusement of his friends and neighbors, but he fell a victim of his own bait.

Ham had been basking in the sun on the river bank. Having absorbed sufficient heat, he started a leisurely walk up town. Half way he met an old admirer, who asked:

"Where have you been all day, Ham?"

"Been?" echoed Ham. "Haven't you heard about the whale?"

"No; what whale?"

Then Ham unloaded. "Why," he said, "the critter was coming up the river when it got caught in the eddy down there and was thrown up on the shoals by the wharf. There's a whole crowd of niggers around it now, trying to beach it. One of 'em got smashed by a flip of the tail and bugged up pretty bad; I was just going to the drug store to get a little liniment for him."

Forgetting Ham's utter disregard for truth, the man bolted for the river in a run. He relayed the news as he went and others joined the rush. Ham watched the rapidly increasing throngs with puzzled eyes, and forgetting himself, said:

"Gosh, maybe there is a whale!" and away he went on a gallop—a victim of his own imagination.

Stranger Than Fiction

Do you know that last year the world spent more than \$4,157,000,000 on armament in preparation for war? This is 65 per cent more than the nations spent for the same purpose in 1913.

Due to the sweeping curve of the Southern California coast, Reno, Nevada, is some 100 miles nearer Asia than Los Angeles.

Believe it or not, Cleveland, Ohio, is seven miles farther east than Jacksonville, Florida.

JUDICIOUS SPENDING MIGHT HELP

Normal Buying Habits Now Suggested to Help Ease Up Situation.

"Give until it hurts," was a slogan of war times that most of us remember. It's conceded by many that the depression has caused a diminution of buying. Thousands of persons have not hoarded their money, perhaps, but, frightened by conditions, have not spent a cent unless absolutely unavoidable. This has restricted trade, which in turn has reflected on factory production and thereby brought on unemployment. A wild, extravagant spending spree is not desirable, but if those who can would follow normal buying habits, it would help enormously in relieving the situation. While there are many million unemployed, there are many more million who are still earning money. It is stated that the amount of money in the country is 15% greater than in the peak times of 1929. In some places people who can still buy are realizing that they should do so by sensible buying of what they want and need. A group of hotel employes at Eureka Springs, Arkansas, is convinced of the soundness of this policy. They have decided to buy. In their declaration to do so they say:

"When people who have money buy the things they want, take vacation trips, etc., our own jobs will be more secure, and those who are out of work will have employment.

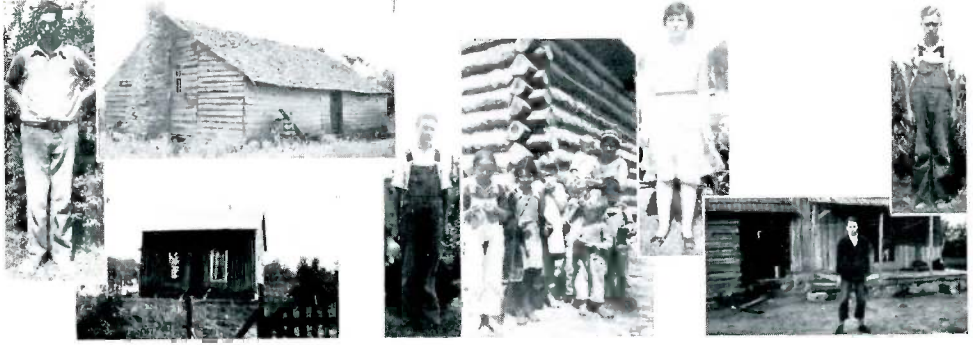
"We believe many people are not buying the things they want because they have the idea they are doing the popular thing when they use worn-out articles instead of buying new ones. Or they fear they will be criticised by neighbors, relatives, employes or employer.

"We agree further with our farmer friends that when the condition which prevents people from buying what they want and can afford is corrected, all business will improve and we will benefit as others do."

WHY WORRY?—IT'S USELESS

I wonder why folks worry? There are only two reasons for worry. Either you are successful or you are not successful. If you are successful, there is nothing to worry about; if you are not successful there are only two things to worry about. Your health is either good or you are sick; if your health is good there is nothing to worry about; if you are sick there are only two things to worry about. You are going to get well or you are going to die; if you are going to get well there is nothing to worry about; if you are going to die there are only two things to worry about. You are either going to heaven or you are not going to heaven; if you are going to heaven there is nothing to worry about; and if you are going to the other place you will be so damned busy shaking hands with your old friends you won't have time to worry—so why worry?—A. G. A. Monthly.

School For Mountain Children



Types of the children of the Hills and their homes. The "School of the Ozarks" searches out these forgotten children and provides the way to educational advantages, social and spiritual opportunities. The result of these efforts is told in the accompanying article.

At Point Lookout, Missouri, not far from Hollister, is the School of the Ozarks, doing a commendable educational task in a most thorough manner. During a recent automobile trip, Mr. and Mrs. Adolph Mueller, Mr. and Mrs. Robert Mueller, Mr. and Mrs. R. I. Hunt, and Mrs. Philip Mueller paid a visit to this school and came away deeply impressed with what has been and is being accomplished by President R. M. Good, and the devoted faculty by which he is surrounded and upheld in carrying on a humanitarian work in educating the poor and less fortunate children of the hills. The school is dependent upon the generosity of philanthropic people, and to reach its present standard of excellence has undergone many trials and tribulations which would have daunted the will and purpose of a less determined band of Christian men and women.

Founded in 1906

The school had its beginning in 1906. The Rev. Joseph Forsythe, broken in health, sought recovery by tramping the hills by day and sleeping wherever overtaken by night.

He was amazed at the lack of educational advantages, social and spiritual opportunities of the young people. He appeared before the Synod of the Presbyterian church and his inspired and touching appeal for the under-privileged boys and girls brought forth the support of the synod, and in 1907 the first school was erected and the School of the Ozarks became a new influence in the lives of the people.

The first winter was one of trial and privation for teachers and their thirty-five pupils. The first graduate was Mr. Joseph Gideon, now prosecuting attorney and a highly respected citizen of Taney county. Fires and other misfortunes intervened to block progress but always loyal citizens

came forward to help. In 1915 the school was removed to a point near Hollister, and here the real development began.

And now the principal buildings are:

Dobyn's Hall.

Abernathy & Stevenson Halls.

A. P. Green Administration Building.

Lillian McDonald Hospital.

Jackson Johnson Heating Plant.

Thompson Dining Hall.

Wilk Hyer Canning Factory.

Daughters of American Revolution Dairy.

Most, if not all, of these were provided by persons who visited the school and were moved to aid it.

High school and commercial courses are provided.

Each student brings three sheets, two pillow cases, and towels.

Boys can feel at home in class clad in blue shirt and overalls. For Sunday religious services, they are required to wear dress trousers, light shirt, and tie.

Girls are not permitted to wear silk dresses nor rouge or powder.

Tuition and board is \$150 annually, payable quarterly.

Friends of the school have provided a number of scholarships and part scholarships.

No student, however, is turned away because of lack of money on his part.

Letter From President Good

The best evidence of the class of boys and girls this school reaches out for is gleaned from a letter written by President R. M. Good to Adolph Mueller. "Recently we have admitted a boy. Our representative drove over one hundred miles into the interior of the hills to visit this boy. When he arrived at the home, the boy was in the field working. Twenty-five years ago, his father homesteaded this farm. The first year's crop was raised with a hoe; the second year a milk cow was purchased, and this animal not only furnished the milk, but pulled the plow

as well. The next year a team was secured. The mother died when the children were all small, and the father has had a tremendous struggle making a home for these children. This boy is here with nothing to offer but a willingness to work for a chance, and he is giving his best."

Canning Factory

The Wilk Hyer canning factory is an important industrial unit of the school. In season it is a busy place with students canning all kinds of vegetables grown on the farm. The excellence of the product is attested by Adolph Mueller, who has received samples of tomatoes, tomato juice, blackberries, beans, corn, okra, and carrots, with the compliments of President Good.

Decatur Boy There

An interesting feature of the visit of the Decatur party was the meeting with Robert Hart, who met the Decatur party with a smile and announced that he was a native of this city. It developed that his father met accidental death while working on the Masonic Temple.

Upon his return, Adolph Mueller, passing the desk of Mrs. Hart, stopped and told her of the visit to the school, and added: "By the way, we met a student whose name is the same as yours."

"Yes," said Mrs. Hart, "I knew him very well. He is my step-son."

In inspecting the school, it was noticed in the kitchen that the plumbing fittings on the different sinks were old and of a pattern not now used. Adolph sent to President Good, Mueller combination sink faucets with his compliments and is in receipt of a very appreciative letter.

SOUNDS SNAPPY

In the Decatur Herald's column, "Unexpected Remarks," we find the following:

"The essence of salesmanship is to persuade people to discard what they have for something they do not want.—Ernest Boyd."

It's a snappy remark all right, but is not true. It's our guess that Mr. Boyd is not a salesman and never sold anything. No good salesman ever forces a sale on a customer, and least of all if it is something the customer does not need and cannot use; there is no surer way in selling of making a customer quit buying. He may buy something he does not really want or need with his eyes open, but he is almost certain to blame the salesman, especially if the salesman used argument and persuasion in effecting a sale. The first duty of a salesman is to do just opposite to what Mr. Boyd says—keep a customer from buying something he does not want or need and not overload him with more stock than he needs. This is the kind of salesmanship that makes and holds customers.

NEW YEAR'S DAY

Old as Time Itself and Has Been Celebrated on Different Dates.

There is nothing new about New Year's Day. But there are some things concerning its history that we forget or overlook. It's quite an ancient holiday, but like other holidays and feast days, it has been juggled around quite a bit and the character of its observance has been changed materially.

As far back as 3000 B. C. it was known as Zakmuk and was celebrated by the ancient Babylonians, being associated with the sun god, Mardeck or Bel-Morodach. The ancient Babylonians believed in having a good time once they got started. Their rejoicing was continued for ten or eleven days during the month of Nesan, now known as March.

The Jewish Purim Feast, the Greek festival of Cronos, the Roman Saturnalia and the more modern carnival have all had affinity with the custom of the ancient Babylonian celebration.

But the beginning of the year was not the same in the various places where high revelry was held. The vernal equinox marked the time of the Babylonian celebration, and the autumnal equinox that of the Egyptians, Phoenicians, Persians. The year of the Romans ended with the winter solstice until Julius Caesar changed the date to January 1st.

The Jewish people have their New Year in September and the Chinese have theirs between January 21st and February 19th.

In England

The English formerly celebrated New Year on December 25th and then on March 25th. It is only since 1752 that January 1st was accepted as the day.

The root idea seems to have been the return of the sun's strength. In some countries the practice of making gifts was customary. This practice flourished in England until the 17th century and still prevails in France and Scotland.

VERY STRICT AND CONSISTENT



He—I understand the Blanks are strict vegetarians.
She—Strict! I should say they are. They won't even let their children eat animal crackers.

The Suggestion Prize Winners

INCREASED PRODUCTION



CAL McQUALITY
First, \$25.00

REDUCED OVERHEAD



W. H. PADRICK
First, \$25.00

SAFETY



OSCAR FRIEND
First, \$25.00



MILO WRIGHT
Second, \$15; Third, \$10,
in Reduced Overhead



CHAS. JOHNSON
Second, \$15.00



R. R. BURRUS
Second, \$10.00



JOHN CURRY
Third, \$10.00



PAULINE RYDER
Winner of Slogan Contest



OTHA MILLS
Third, \$10.00

The nine winners in the annual suggestion contest who captured the prizes offered for the best suggestion on the following subjects:

Increased production.

Reduced overhead.

Safety.

The winners of the grand prizes are pictured above. This contest has been an annual event for several years, and always calls forth a large number of suggestions. While the number was not so large this year as in former years, it was very satisfactory, about one hundred contestants entering suggestions.

In the years this contest has been in force, many good, practical suggestions adopted have been put in use. All cannot be applied

but those making them are rewarded if the suggestion made is accepted.

The main thought back of it all is to encourage interest in work and to develop the habit of thinking beyond the mere routine of the immediate job in hand. Two of the grand prize winners, Milo Wright and R. R. Burrus, have been in the grand prize class several times before.

The following made suggestions which were accepted and an award of \$2.50 was made to them:

Harley Himstead, Cal McQuality, R. R. Burrus, Milo Wright, C. L. Gillebrand, Clifford Ping, Louis N. Rohr, John Curry, Willard E. Hake, Claude Roe.

R. R. Burrus won two \$2.50 prizes.

(Continued on Page 17)

FOR LOYAL SERVICE

Employees Receive Various Sums According to Years Employed.

The last of Mueller holiday festivities were held on Wednesday, December 21st, at 3:15 P. M. in the gymnasium. The program consisted in award of prizes to the winners of suggestions and the distribution of loyal service money to employes of 5, 10, 15 and 20 years service. Emblematic service pins were also awarded.

The exercises were opened by Robert Mueller, who welcomed the employes to the meeting.

Adolph Mueller made a brief address and announced the awards. The addresses of both Robert and Adolph were full of hope and confidence.

The pictures and detail of the suggestion prize winners will be found elsewhere.

The rule governing these awards is \$500 cash for twenty years of service. This sum was formerly paid at the conclusion of the twenty years, but was afterward paid in five, ten, fifteen, and twenty year installments, as follows: Five years, \$20; ten years, \$33.33; fifteen years, \$66.67; and twenty years, \$133.33. Each person received a handsomely embossed pin representing the years of service finished.

The beneficiaries under this plan, which had its birth on the Golden Anniversary of the company in 1907, are:

Continuous Service Cash Award

5 Year Class	
Adams, W. L.	Like, Matt
Butler, Coy	Matthews, E. A.
Cresse, Norman	Morrison, J. A.
Davey, Fern	Nash, Arthur
Frizzell, Cal	Offenstein, J. G.
Jones, Jesse	Owens, John
Jukes, John	Rinehart, Estella
Krag, George	Schreier, Fred
Meador, Fred	Staudt, Julius
Merrow, Elmer	Stevenson, F. L.
Mounts, Hoyt	Stolle, Ada
Ruch, Clarence	Trott, M. W.
Smith, Keith	Wright, Milo
Stacey, Claude	Wyant, Louis
Theobald, Chas.	
Tripp, Dewey	15 Year Class
Wall, Joe	Greening, Niena
Walley, LaVern	Holler, Floyd
Wiant, Leo	Spitzer, Al
	LeHew, F. W.
	20 Year Class
10 Year Class	Draper, Carl
Daniels, Madge	Sailsbery, Ray
Enloe, W. S.	Shaw, E. K.
Gilbert, Clara	
Grinestaff, Z. H.	35 Year Class
Harper, Roy	Louis Wallenbrock
Holderby, E.	

Salesmen and Branch Houses Continuous Service Award List

5 Year Class		35 Year Class	
Salesman, J. L. Boyle		Salesman, W. B. Ford	
Salesman, Geo. Hofmann			Emblems Only
10 Year Class		Interrupted Service	
Salesman, Frank O'Dell		Bert Kitchen	
N. Y., Grace Timm		30 year Emblem	
15 Year Class		T. F. Leary	
Salesman, H. V. SeEVERS		30 year Emblem	
20 Year Class			
C. J. G. Haas			
San Francisco, M. E. Henderson			

Service Emblems Only

Interrupted Service		15 Year Class	
5 Year Class		Gillebrand, Clifford	
Adams, Harvey		Kuntz, William	
Burcham, Chas.		20 Year Class	
Cornelius, C. M.		Bixler, John	
Jackson, Opal		Paradec, Bertha	
Kuntz, Frank		25 Year Class	
Lane, Clure		Adams, Ralph	
Langley, E. F.		Thomas, Mrs.	
Schuerman, F.		Continuous Service	
Thompson, A. H.		25 Year Employes	
10 Year Class		Parker, E. H.	
Anderson, W. S.		Shaw, Julius	
Brilley, Dan		Waltz, Edwin	
Keller, Orval		30 Year Employes	
Langley, Tom		McKee, Ethel	
Masters, C. E.		Meehan, William	
Overfield, Mrs.		Walters, S. G.	
Pope, Helen		Weber, Peter	
Reynolds, S. W.		Whitaker, Roy	
		Yonker, S. M.	

(Continued from Page 16)

Pauline Ryder was the only girl to win a prize this year. She was awarded \$2.50 for her suggestion slogan which was "Help Yourself by Helpful Suggestions."

Eskimo Papoose — Baw-w-w, I wana drink.

Eskimo Mother—Shut up, it's only six months till morning.

Customer—Have you any eggs that you can guarantee don't contain chickens?

Dealer (after a pause)—Yes'm. Ducks' eggs.

BEN'S LAST DESPERATE CHANCE



—Powers.

Adolph wanted a bell for his Santa Claus appearance at the annual Christmas party. Ben Taylor was sent for it, but failed to find one. The artist shows the desperation of the messenger to make good—but when Ben found this bell he couldn't get it loose—let alone carry it.

Plumbers Going To New Orleans



The combination of the old and the new makes New Orleans one of the most interesting of American cities. Above is a view of a city growing with amazing rapidity upon the site of the ancient New Orleans founded by Bienville three centuries ago.

The coming convention of the National Association of Master Plumbers—New South Exposition—will be held in New Orleans June 19, 20, 21 and 22. It will be the 51st meeting. The convention will be held in the New Municipal Auditorium. Already the committees of the association and the local committee on Convention and Exhibits with Louis J. Petrie as chairman, have arrangements well under way. The plans indicate a session of especial interest and importance, while the city itself presents to delegates and visitors many points of historic significance.

New Orleans is a colorful and famous city, one of the bright links which bind the present with the past American history. Old in years, it still retains an atmosphere of influence of its early Spanish and French settlements, modified by its modern social and commercial life. There is much to see in this great southern city and there will be a wealth of memories to bring back home by all plumbers and their families who avail themselves of this opportunity of a pleasant early summer vacation.

First Settlement

The present site of New Orleans was visited in 1699 by a French expedition under Bienville, who in 1718 founded the city. Its name was given in honor of Duke of Orleans, the French regent of that period. A

few years later it became the capital of the French colony in Louisiana, which then included the entire basin of the Mississippi. In 1768 this territory was ceded to Spain, but returned to the French in 1800 and in 1803 passed to the United States with the Louisiana purchase.

While the city has long been under American dominance, there is much of it retaining its French antecedents both in its people, its streets, and its architecture.

French Quarter

The French quarter, with its remaining ancient buildings and customs is one of the sights appealing to all visitors. Until you have visited this quarter you are not supposed to have done New Orleans thoroughly. There are many points of interest—statues, old churches, cemeteries, parks, public buildings, the wharves, the ocean-going vessels, the custom house, and Lake Pontchartrain. The latter is a bay or arm reaching in from the Gulf of Mexico.

New Orleans is 72 miles from the Gulf, but boats of large draft call there, the Mississippi river being from 2800 to 3600 feet wide with a depth of from 35 to 160 feet. As a port, the city is of second importance. With one exception, it is the nearest port to the Isthmus, and this fact gives the city a great advantage in shipping between Central and South America.

A most interesting fact concerning New Orleans is its location on both banks of the Mississippi river. The city is practically surrounded by water which modifies its climate. Originally, the city was built in a bend of the river which suggested the name of Crescent City, but expansion up and down and across the river leaves the name somewhat of a misnomer, although the name is still applied.

Old Buildings

One gains an idea of the antiquity of the old city from its buildings in the old quarter. The oldest of these is the Archbishop's Palace, built in 1730; the St. Louis Cathedral, erected in 1723, but rebuilt in 1794 and 1850; the supreme court building, originally the Cabildo or government house, erected in 1795; and the civil court building, 1812.

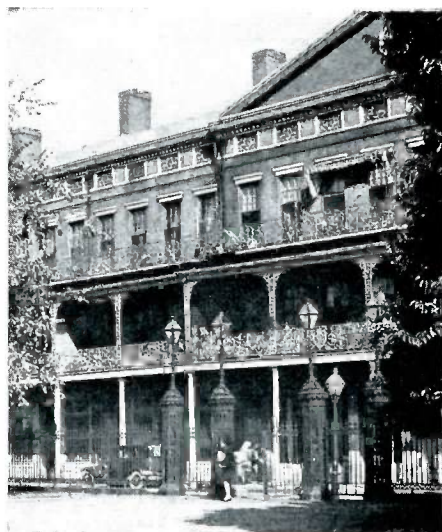
While the delegates to the convention will not be indifferent to the sights of the city, they will find important questions upon which to deliberate in their sessions.

A United Sales Attack on Ideal Modernizing Market is the principal thought of this New South Exposition. This includes cooperation of the master plumber, contractor, wholesaler, and manufacturer. New Orleans is regarded as an advantageous point to inaugurate this campaign. For two months in advance of the New South Exposition, an intensive campaign will be conducted with a view of bringing prospects to the exposition. A special drive to uncover prospects for immediate sales is the central idea. The committee's every effort is pledged to securing attendance of substantial home owners whose buying will benefit the plumbing and heating industries. The New South Exposition is sincerely dedicated to sales.

NEWS OF SCOUT TROOP NO. 2

In February the Scout Circus will be held, and Troop No. 2 is planning on playing their part as efficiently as any other Boy Scout Troops.

Recently they have been gathering material from the timber known as the lost 40. They have enough material to build a bridge, which is their part of the circus program. Practice on this bridge has begun and will



These are said to be the first of American apartment structures known as the Pontahalla apartments, located in the French quarter or Vieux Carré. They are still the residence of many of New Orleans's leading families. They are an outstanding example of how modernizing by plumbing and heating maintains the value of older dwellings.

continue until the boys know how to put this bridge up.

Since last report of officers in the Mueller Record there have been a number of changes in Scout leaders. Truman Reynolds, who has been Senior Patrol Leader, is Junior Assistant Scoutmaster. Junior Keil, who has been Patrol Leader of Cobra Patrol, has been elected as Senior Patrol Leader. Edwin Keil takes the place of Patrol Leader of Cobra Patrol. Wesley Koontz and Clarence Grubbs are the two other Patrol Leaders in our group.

Over the holidays two of our Patrols gave a basket each, which no doubt made two families a very nice Christmas dinner. The boys did this on their own initiative.

Recently we have a new youngster as a member of our troop, and it's our belief that

(Continued on Page 25)



On the water front—Vessels from all ports of the world at anchor in the great landlocked harbor of New Orleans, which has few if any equals.

Santa Meets Mueller Kiddies

The children of Mueller employes were given their annual Christmas party on Saturday, December 16th.

By 2 o'clock the gymnasium was filled with boys and girls and their parents. All the curtains were drawn and the big room was in semi-darkness during the program, which began at 2 o'clock and continued until nearly 4. The program was as follows:

"Holy Night"—Quartette, C. E. Gillibrand, Al Lindamood, Roy Pease, and Fred Galka.

"Remarks" by Robert Mueller.

"Jingle Bells"—Quartette.

Two reels of moving picture comedy.

Slight of hand performance—L. S. Cusick, assisted by his daughter.

Two reels of western comedy.

At the conclusion of this program, the children formed a line and marched to the cafeteria below, where they were given



large book before him. This book supposedly contained the names of all the children entitled to a treat. As they passed Santa Claus, he patted them and spoke in a friendly fashion. It was a great day for the children and one of the finest Christmas parties we have ever had.

The program was under the direction of



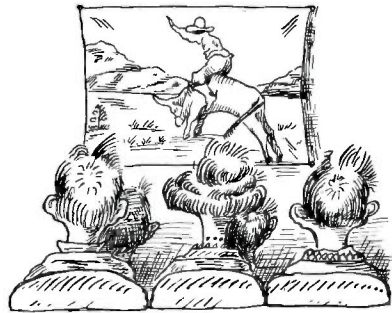
—Gillibrand.

He took a rabbit right out of that hat—I saw it with my own eyes.

a treat of candy and oranges. Over six hundred children enjoyed the show and treat.

Ed Larrick impersonated Santa Claus in a very satisfactory manner. On the platform were two large Christmas trees carrying strings of colored electric lights and Christmas decorations.

An outstanding feature of the celebration was the Santa Claus house, on the front gable of which appeared in bright red letters the sign: "Home of Santa Claus." The house was covered with white paper with strips of green and red. White cotton batting sprinkled with silver glitter covered the roof and icicles hung from the eaves. All the children had to pass through this house when going to the cafeteria for their treat. Inside they were greeted by Santa Claus, seated in a rustic chair at a table with a



—Gillibrand.

"All eyes and ears."

C. N. Wagenseller. Santa Claus' home was built by Elmer Miller. He was assisted in the decoration by Mrs. Helen Pope, Dorothy Gepford, and Mrs. Ollie Springer. Ed Stille served as electrician and assisted in handling the children in the march to the cafeteria. The Mueller Boy Scouts also rendered valuable services. The seating arrangements were directed by Carroll Cornelius.

THE ANNUAL OFFICE FROLIC

The annual Christmas party of office employes was held Wednesday noon, December 21, in the main office with all office employes as expectant of their presents as a

group of kids. The exercises were held immediately following luncheon. The party gathered about a Christmas tree prettily decorated with gaily colored candles and illuminated with small colored electric lights. At the base of the tree was a pile of Christ-



—Gillibrand.
Gillie's quartette doing their stuff."

mas presents neatly wrapped and bearing the name of each "victim," who was certain of getting a loud laugh and a lot of kidding as the presents were all purchased with that object in mind. A lot of his Santa

OUR CHRISTMAS SEASON

Social Festivities Are Interspersed With Thoughts of Kindness and Service.

"Adolph Mueller is a merry Old Soul,
A merry old soul is he.
He called for his pipe,
He called for his bowl
And called for his fiddlers three."

And then we had a barn dance in the gymnasium on the night of December 16th, and oh, boy, did we have fun! The country fiddlers came from around Vandalia, Illinois, and could they fiddle! It was music of by-gone days, the kind that our great grand parents danced to. The program was largely made up of square dances which were



—Powers.
The old fiddler, doing his "Money Musk" and "Pop Goes the Weasel."

strange to some of the younger folks, but they quickly picked up the various figures and two hours of hilarious fun were enjoyed. Many of the men folks came in overalls to add a bit of realism to the gay event. Ed Stille was one of the callers and he added a zest and a zip to the occasion.

There was a good sized crowd in attendance and the barn dance will be remembered as one of the bright spots in our annual holiday festivities.

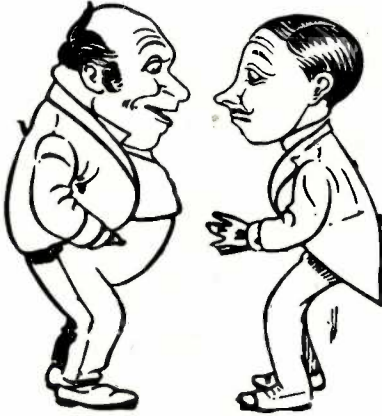
One Pint Makes One Cavort

Ole Oleson came into the village one day and inquired of the restaurant proprietor:

"Got any squirrel whiskey?"
"No," said the restaurant man, "but I can slip you a little Old Crow."
"Aye don't want to fly," said the Swede,
"Aye just want to yump around a little."

The telephone system of Spain is said to be the most perfect in the world.

OFFICE JOKES

**Blocking Depression**

Salesman—I've been here five years doing three men's work—how about a raise

Boss—Can't do that, but I'll fire the other two guys.

Always Observe Stop Signal

Abe and Ikey, Joosh partners, whose desks were separated by a thin partition giving each a semi-private office.

Abe (receiving a telegram)—Vait a minit, Ikey, and I'll haf the stenographer read it to you.

Ikey—All right, go ahead.

Steno—Keokuk, May fourth STOP called on Joseph Brothers here today and showed them new spring line STOP interested them to extent of selling them big order STOP.

Ikey—Hey, Abie, can't you leaf the girl alone till she gets through readink?

W'atell

He—You look like Helen Brown.

She—Thank you! I look even worse in white.

The Daily Grind

First Executive—Did you enjoy your Christmas holidays?

Second—Yeah, but there's nothing like the feel of a good desk under your feet again.

Wild Goose Hunt

Grace—Where are you going?

Esther—Trying to find where them pigeons live.

Grace—What for?

Esther—Want some holes for my desk.

Why Pick Out Bookkeeper?

Mabel—Aren't there any bright lights at all in the life of a bookkeeper?

Shaw—Yes, on the seat of his trousers.

Unafraid

Mr. Wells—Are you afraid of early hours?
Boy—No, sir. You can't quit work too early for me.

That's Telling Him

Business Man—Well, Miss Smith, would you like to take a business trip with me next week?

Miss Steno—Say, I may be your typewriter, but I'm not portable.—Danly Guide Post.

In the Upkeep Stock

Willard—What a pity it is that handsome men are so conceited.

Jim—Not always, old boy; I'm not.

No Chance to Know

Wells—Say, you are twenty minutes late again. Don't you know what time we start work at this office?

Dresback—Nope, they're always at it when I get here.

SAFE GUARDS

On the inside front cover page of this issue of the Mueller Record, we show a Mueller corporation stop. This is one of the most important stops necessary in underground service connections because it is the beginning of every service connection at the main. After the service is completed and the trench is filled, this stop is forgotten except in case of a leak or break, then it must be dug up, and this is an expensive operation.

Slow leaking corporation stops may never be discovered and are a constant waste of water and pressure.

Avoidance of "leakers" and broken connections at the main is made possible by the use of Mueller corporation stops. Three quarters of a century have proved the worth and reliability of the Mueller stops. This is the result of careful manufacturing methods and an understanding of the responsible service Mueller corporation stops must render.

To meet this responsibility Mueller Corporation Stops:

Are provided with strong, heavy bodies.

They are cast from high grade brass.

All machining is carefully supervised.

Inspectors watch and pass on each mechanical operation.

Every completed stop must pass a TWO HUNDRED POUND HYDRAULIC PRESSURE TEST.

From the foundry to delivery to the stock room, the process of manufacture is under laboratory control.

The great importance of this one particular stop in the service line demands Mueller stops, which you can forget after installation with the confidence that they are made to give dependable service, not for a year or two but for a long period of years.

Employees' Aid Society

Due to pressing other work in the Employment Office, the financial statement of the Employees Aid Society Benefit Fund is not ready for publication this issue. It will be ready next time together with the annual statement.

The Society's efforts at health conservation have been fairly successful and considerable illness has been prevented by timely care of small sicknesses. Just how much sickness has been prevented no one knows. The same may be said of accidents. The safety record for the year just closed is a good one. The statistics for the year are not yet available.

Plain living enforced by present times has resulted in somewhat better health for many persons. This is not only true in Decatur, but in the country as a whole.

China, with its more than 400,000,000 people, is said not to contain even one lunatic asylum.

VITAMINS, CALORIES, AND PEP

A new attack has been made on the problem of living by the wives of some of our employes. Under the direction of Miss Frances Ross, dietician of the Decatur and Macon County Hospital, good meals at low cost are fabricated from bulk foods sold at the lowest cost at which they can be obtained.

It is natural to be loyal to mother's cooking, but in her day vitamins and calories were unknown, and pep was a by-product of wholesome outdoor work.

Miss Ross explains each Tuesday afternoon to a class of Mueller women how to balance the family diet in a way that maintains health at low cost. She demonstrates the preparation of some dish and discusses problems of feeding children and husbands.

The foremen's wives use their cars to bring the women to the class and return them home. Mrs. Al Bashore keeps in touch with the members of the class.

Meetings are held each Tuesday afternoon at 2 o'clock at the Mueller cafeteria.

Water works frequently have trouble with foreign substances and live matter in the water. Decatur has just had a siege with hickory shad in Lake Decatur. This is not the first time, but it is one of the most annoying because of the immense number of these fish, which block the intake. Men have been stationed there for a number of days scooping the shad from the water by shovels full. The hickory shad varies in size from a minnow to a length of six or seven inches. Water works men gathered up some of the larger fish and gave them to families to test their edibility. Evidently the shad did not register because none of the families passed their plate for more. These shad seem to be of no value whatever. They are an exceedingly bony fish.

The number of stars is estimated to be between 30,000 and 50,000 millions.

The age of the earth is computed by scientists to be from 1,500 to 3,000 million years.

TO THE CONTRARY?



Margie—My husband told me I took life too seriously.

Mabel—What did you say?

Margie—I told him that my marrying him didn't prove anything.



Safety News



DEATH TAKES THE WHEEL

A Striking Safety Story in Picture Which Reckless Drivers Should Heed.

This striking illustration, "Death Takes the Wheel," speaks more forcefully, more impressively than columns of written criti-



—Powers.

cism, condemnation, and pleas for safe driving. The grinning skeleton typifies death as represented by the careless, heedless, unthinking, human driver. Note the nonchalant neglect of all rules and laws of careful driving. One bony arm hangs from the car while death with three bony fingers manipulates the wheel while the car races over the road at high speed. Every thoughtful automobilist has many times encountered drivers of this kind in the flesh, endangering not only his own life but the lives of honest, cautious drivers he meets in traffic. More than thirty thousand deaths from auto accidents per year means nothing to this illegal method of driving a car. This class of drivers seemingly cannot be made to realize the heavy responsibility that rests upon them to drive sanely and safely.

FORETELLING ACCIDENTS

Causes of accidents have been so carefully studied, analyzed and grouped that safety engineers predict in advance the per cent attributed to any given cause for the coming year. Frank E. Morris, safety engineer of the Liberty Mutual Insurance company, says "that out of an average group of 25,000 people we can predict that 21 will be accidentally killed during the next twelve months.

We can go even further and foretell the ways in which they will probably meet death.

Four will be killed by automobiles, three

by falls, two by burns, one by firearms, one by machinery and the rest by other causes. One of the four killed by automobiles will probably be a child under nine years old, and one of the three killed by falls is likely to be a person over seventy-five years old. The number of innocent children sacrificed on the altar of fire every year is so great that we can predict with almost absolute certainty that one of the two to die of burns will be a child under five years old."

Some accidents result from unsuspected causes, such as an unseen and unknown flaw in chains, and mysterious explosions, but the greatest per cent of all accidents is traceable to unthinking individuals. Keep that fact in mind. Whatever you are doing, concentrate on the job. Suspect danger in everything, and don't take any kind of a chance until you have weighed the possibility of existing danger. Let's reduce the accidents in this organization during 1933. If you have no resolution to live up to this year, resolve to practice safety first.

Might Have Been Averted

An accident which might have been averted occurred to a member of our yard force recently. Several men were moving a large tank. It was on rollers. Reaching the desired location, the men prepared to remove the rollers, one of which was nearly from under the tank. One of the crew concluded to kick it out. He did. The tank came down on his foot—three mashed toes and a lay off resulted. A blow with a hammer or a piece of timber would have made impossible this accident or a pair of safety shoes might have saved the toes. Men must learn to think safety first. When they do, accidents will become fewer.

STRANGE ACCIDENTS

A workman was cleaning the spray valve of a Diesel engine. He neglected to shut off the pressure valve tight. In working he struck the lever and released the pressure. This happened just as he was cleaning the tip of the spray with the palm of his hand. Four thousand pounds of pressure forced oil into all parts of his hand. A portion of the palm had to be cut away to relieve dead tissue. Three fingers may have to be amputated.

—O—

A man in Lynn, Mass., dozed at the wheel. The auto broke down a fire plug, releasing the water. Then it struck and felled a pole carrying high tension wires. A drawbridge operated by the current was put out of business. Street lights were extinguished.

Finally the wires set fire to the auto. The driver was treated for burns, and finally, fined \$25.

A steel pole was being raised close to wires carrying 66,000 volts. The current jumped two feet to the pole, shocking three men, then fell against the wires, killing one man.

Three hunters of Altoona, Pa., went for a deer hunt. A deer leaped suddenly from underbrush along the highway. The car collided with it and swerved against a pole. The three men were killed, also the deer.

A cylinder head of a locomotive blew out as the train entered a station. A piece went through the ticket office, and killed the agent sitting at the telegraph table. A few months later the same cylinder head blew out and killed a laborer standing near the track.

A machinist walked over a well beaten cinder path back of a round house. The ground suddenly gave way and he fell through a narrow opening up to his neck. He was rescued but died of burns. The cinders had been smoking for years, but no one ever thought to investigate. Only a thin crust of earth covered the pit.

Escaped Serious Injury

Carlo Danaha and Chester Mercer were at work on November 23rd moving a pipe in the basement of the shipping department. Carlo was standing on a ladder pulling on a wrench when the pipe, which was corroded on the inside, broke and he fell to the concrete floor. He was severely shaken up but no bones were broken. He returned to work on January 16th. We congratulate Carlo on a narrow escape from what might have been a severe injury.

(Continued from Page 19)

he is going to make a real active scout. In a recent scout meeting he had a number of different articles he had whittled out of pieces of wood which were of great interest to some of our first class scouts. He has plenty of pep and enthusiasm and we expect him to make some of the other boys step on it, if they keep up with him in passing tests. He is now a tender foot scout.

Why Not a Gallon?

"Have you some of that gasoline that stops knocking?"

"Yes."

"Then give my wife a glass."

Cotton put through a new secret process in England is stated to form such a good substitute for wood that it can be used for making furniture, being sawn, carved, and polished just like regular timber.

Children under fourteen are now forbidden to attend either bullfights or boxing matches in Madrid.

THE COST OF PLAY

Expense of Play Ground Directors and Coaches Runs Into the Thousands.

Less than fifty years ago when school boys and girls devised their own methods of play, and grew into healthy men and women, they did not need or want a play ground director. When the recess bell sounded, they bounced out on the play ground to play "What'll you do when the Black Man comes," leap-frog, foot and a half, marbles, town ball and what not and they played with a natural vigor that was stimulating and healthful. Now, however, trained men and women devise and direct the play. They have a college degree and their pay ranges from a few hundred dollars into the thousands. This country pays hundreds of thousands of dollars per year for play ground supervisors, and coaches.

Dr. Marie M. Ready, associate specialist in recreation, United States Office of Education, gives an idea of the cost in an article in the U. S. Daily. The doctor says:

Opportunities for teaching or directing recreational activities on school play grounds are available in 175 cities. These positions are provided either by city boards of education or by city boards of education in cooperation with municipal or local recreational agencies. More than 25,000 recreational leaders are employed in 834 cities.

The salaries of athletic coaches in junior high schools range from \$600 to \$3,500. The salaries of athletic coaches in senior high schools range from \$700 to \$5,000.

The salaries of teachers of physical education and athletic coaches in 52 land-grant colleges and universities range from \$750 to \$8,249. The median salary of the men is \$3,562. The median salary of the women is \$2,186.

Salaries of directors of physical education or athletic coaches employed in more than 100 colleges and universities range from \$225 for part-time coaches in small colleges to \$14,000 for full-time coaches in the larger ones.

In the field of community recreation, the salaries of men directors range from \$1,500 to \$8,700; and the salaries of women directors range from \$1,200 to \$7,500. However, the average salary of a play ground director is \$1,754. The average salary of a play ground teacher is \$1,125.

DESTROYED BY FIRE

The home of Joe Hart at Warrensburg was completely destroyed by fire on the morning of December 15th. The fire was presumably caused by a defective flue. Mr. and Mrs. Hart were at home at the time and were able to save all the furniture on the first floor, but everything on the second floor was lost. Mr. Hart works in the Standards Dept.

"I hear Smith is getting married."

"Good! I never liked that fellow."

DOCTOR JOKES

**Why Did He Call a Doctor?**

Doctor—Great Heavens! Who stuffed that towel in the patient's mouth?

Patient's Husband—I did, Doc. You said the main thing was to keep her quiet.—Judge.

Safety First

Doctor—Have you told Mr. Cafoozalum that he is the father of twins?

Nurse—No, he is shaving.

Cut It Out

Doctor (examining East Side brunette)—You've got acute appendicitis.

Patient—Don't get fresh! I came here to be examined—not admired!—N. Y. Mirror.

He Might at That

Daughter—Shall we invite Dr. Bigbee to our reception?

Mother—I think we'd better not. He's so absent-minded he might charge it in his bill.

The Rest Cure

Physician (to rich patient)—You're all run down. I suggest that you lay off golf for a while and get a good rest at your office.

Odds Too Great

Surgeon—I feel duty bound to tell you that four out of five patients die under this operation. Now, is there anything you would like for me to do for you before I begin?

Colored Gent—Yassuh, kindly hand me mah hat.

Also Cure Him

Doctor—Madam, your husband never will be able to work again.

Missus—I'll go up an' tell 'im. It will cheer him up.

Consultation

"The doctor has ordered her to the seashore. Now, they're having a consultation."

"Of doctors?"

"No, of dressmakers."—Cleveland Press.

Asking Too Much

Doctor—The best thing for you to do is to give up smoking, drinking anything but water at your meals, late hours—

Patient—Wait—what's the next best thing?—Answers.

Sounds Like Sewing Circle

Doctor—How do your broken ribs feel?

Patient—Fine, doctor, fine; but I have such a stitch in my side.

Doctor—Excellent! That shows the bones are knitting.

And the Dry Docks Are Full

What is a dry dock?

A doctor who refuses to give you a prescription.

By Watching the Signs

Doctor—Well, here you are, a pill for the kidneys, a tablet for the indigestion, and another pill for the nerves.

Patient—But look here, doctor, how will the little beggars know where to go when they're inside?

And Time Only

Co-ed Medic—How long could I live without brains?

Cruel Prof—Time will tell.

This Man Not a Professor

Servant—The doctor's here, sir!

Absent-minded Man—I can't see him. Tell him I'm sick.

FIRE INSPECTION AT HOME

Elsewhere in these columns is an account of the fire which destroyed Joe Hart's home. Apparently it was caused by a defective flue. There are a good many neglected fire hazards in the ordinary dwelling. Besides the danger of a defective flue, there are: accumulations of papers and rags. A bunch of old newspapers might get wet and cause spontaneous combustion. Oily rags lying about, kindling, excelsior packing, straw, waste paper, and the like are always fire hazards, especially around cigarette smokers.

The same sort of care that protects this plant from fire is needed to protect homes from fire.

Why not have a fire inspection of your home and get rid of the fire hazards

Mueller Bevel Connector Hanger

Look here, Gas Men! Turn to the back cover page of this issue and see advertisement of the New Mueller Gas Meter Connection—the Bevel Connector type.

The bevel connector is a special reducing coupling which serves to connect supply and outlet pipes to swivels. It also controls their relative position by attachment to an accurately machined rigid cast iron bar. This permanently locates and aligns meter end of swivels so that no strain is transmitted to meter tubes.

A long, close-fitting socket is provided in the bar which forces the supply and outlet pipes into axial alignment for attachment to the bevel connectors. This also braces the weakest part of the pipe and protects the threads from rust. A strong malleable nut pulls the bevel face of the connector in solid contact with a similar bevel face on the bar, which completes the alignment and permanently locates the connectors and swivels. This makes a firm, rigid connection which protects the meter from any strain that may result from settling or shifting pipes.

There are only two threaded connections on each end with no union gasket joints. Threads are accurately tapped the proper depth and in the same plane. The bar may be used as a template to cut and thread vertical pipes the proper length.

These meter connections make accurate meter setting an easy job for any good pipe fitter.

There are designs to meet any piping condition.

FAMILY BUDGETS

More Important Now Than at Any Other Time—And If You Want It.

From time to time for a number of years, we have called attention in these columns to the value of keeping family accounts. Just enough people try it to prove the great value of such accounts.

Under the present stringent financial conditions, it is all the more important to see to it that every dollar does full duty. We suggest this simplified form of keeping household accounts:

One short column for income.

Another column in which are itemized all food items, and a third column in which are listed all expenditures for other purposes.

These accounts should be checked up and totaled each pay day. Once each month the cost of food should be entered in a column on another piece of paper or a book, the cost of rent in another column, and also the following: fuel, water, clothing, insurance, and unclassified items.

If these items are entered on this special sheet each month and the total of the twelve



months taken, the year's living cost should be clearly shown.

Some say that they can remember their expenditures. All such persons learn first, when they begin to keep accounts, that their memories are not accurate.

Family accounting and budget planning are absolutely necessary in times like these. Again we commend the idea to you.

For further details call at the Employment Office.

Alas, Too True These Days

Supt. Roarick—Say, Walt, if you had five bucks in your pocket, what would you think?

Auer—I'd think I had somebody else's pants on.

ALL TIMES PASS OVER

The men whom I have seen succeed best in life have always been cheerful and hopeful men, who went about their business with a smile on their faces, and took the changes and chances of this life like men, facing rough and smooth as it came, and so found the truth of the old proverb: "Good times and bad times and all times pass over."—C. Kingsley.

DIPLOMACY



Helen P.—Did you tell her what you said was in strict confidence?

Pauline—No; I didn't want her to think it was important enough to repeat.

ATHLETICS BOWLING, BASKET BALL INDOOR BALL, DANCING

Although two teams have dropped out, the Mueller bowling league is engaged in a warm contest participated in by the remaining four teams. C. C. Roarick now leads the ten high bowlers, having passed Odie Walker, who led at the last report. But there is a battle royal between the two with Odie one pin behind when the averages were computed for January 3rd. Ed Stille has come up from fifth to third position and is close enough to Roarick and Walker to keep them on tip-toe. Bain of the Works Manager's team still holds the high game record of 260. The rivalry between the teams battling for first place is very keen. The record up to January 3rd follows:



Team Standing for January 3, 1933

1. Works Mgr. Office	29	16	.644	827	959
2. Engineers	28	17	.622	817	952
3. Utility Engineers	25	20	.556	766	942
4. Plumbing Division	21	24	.467	797	940

Ten High Bowlers

Roarick—Plumbing Division	30	188	236
Walker—Works Mgr. Office	42	187	249
Stille—Engineers	42	184	248
Behrens—Engineers	42	183	236
Krag—Plumbing Division	45	180	229
Dresback—Works Mgr. Office	36	175	236
Bain—Works Mgr. Office	28	174	260
Roarick—Works Mgr. Office	45	172	215
Mason—Utility Engineers	42	170	228
Mueller—Utility Engineers	45	170	233

Individual Average for January

1—Works Mgr. Office

	G.	Ave.	H. G.	3 H. G.
Walker	42	187	249	638
Dresback	36	175	236	611
Bain	28	174	260	591
Roarick	45	172	215	597
Jacka	27	146	202	479
Wiant	42	137	213	528

2—Engineers

Stille	42	184	248	602
Behrens	42	183	236	628
March	39	159	224	574
Flaughter	45	158	244	553
Gragg	45	139	186	479

3—Utility Engineers

Mueller	45	170	233	618
Mason	42	170	228	544
Gould	27	161	213	545
Fairchild	42	150	207	522
Draper	36	144	189	469
Wilkins	30	117	170	435

4—Plumbing Division

Roarick	30	188	236	609
Krag	45	180	229	598
Wyant	45	159	236	585
Lusk	42	159	213	583
Shaw	45	155	208	532

BASKETBALL—MUELLER GYM

Coach Leo Wiant of the Standards Dept. and his small but fast squad of Basketeers have been staging each Friday evening at the Mueller Gym some very interesting and classy basketball games.

Every man on the team is associated with Mueller Co., and even though the squad is small and working under handicaps, the boys have turned out to practice regularly and are to be commended on their fine showing.

To date they have won from the following teams:

- Mobil Gas.
- East Park Baptist.
- English Lutheran Church.
- DeMolays.
- Forsythe.
- A. K. A. Club of Millikin.

And have lost to the following:

- Seventh Street Christian.
- East Park Baptist.
- Casner.
- First U. B. Church.

No admittance has been charged for these games and no charge will be made in the future except possibly for the strong Taylorville Scout team which will be here in February.

All employees are invited to attend these games at 7:30 o'clock Friday evenings. Come out, bring the family and enjoy the games.

INDOOR BALL

After a month of practice the Mueller Co. Indoor Ball League has started on its way officially. Four teams are in play each Wednesday evening at the Mueller Gym. The first game starts at 6:45 P. M. with the second game immediately following the first.

The League standing to date is as follows:

	W.	L.	Pct.
Mueller Pattern Makers	3	2	600
Staley's	3	2	600
Mueller Tool Makers	2	3	400
Cash Co.	2	3	400

These teams are evenly matched, have experienced batteries and are putting out a fast, snappy game of indoor ball.

The Mueller Pattern Makers are captained by Ollie Fortschneider and have as their battery Lindamood and Krunknick.

The Mueller Tool Makers are co-captained by Clarence Roarick and Fred Galka, with Gillibrand and Galka as battery.

All Mueller employees desiring to play indoor ball report to any of the team captains and if sufficient men report a third team will be organized.

No admission is charged for these games and all employees and their families are invited to attend these contests.

Remember the time—Wednesday evening of each week.

GIRLS VOLLEYBALL

The Mueller Gym is reserved each Friday evening immediately after work for Girls volleyball.

Quite a few girls from the Main Office

(Continued on Page 31)

BOWLING AN ANCIENT GAME

But Is Now One of the Most Popular of Indoor Sports.

Bowling is one of the most popular sports in the country. Its popularity increases in the winter months when golf has been put away for a rest. It is a game calling for a very considerable amount of skill and its principal product is unlimited joshing. The game is also known as ten pins and nine pins. These terms are seldom applied to it now.

Bowls, the Forerunner

Bowls, the forerunner of bowling, is one of the most ancient of games. It was the sport of the early Egyptians and Greeks. Bowling itself is no spring chicken. It was developed from Bowls in England in the 12th century. Bowls was a lawn game and therefrom comes the expression of "bowling on the green." The paraphernalia of the game consisted of a number of bowls made of lignum vitae, an exceedingly hard wood. One side of the bowl was a trifle more convex than the other, which caused the bowl to roll in a curved more than a straight direction. The "Jack or Kitty" was first bowled from one end of the field. Then the players bowled the other cups. Points were counted in accordance with the nearness of bowls to the "Jack or Kitty," being similar to the count in horse shoes. It was played in New York during the revolutionary period and was revived some twenty-five years ago, but insofar as the writer knows, never captured the fancy of western people.

London Introduces Bowling

London introduced bowling, practically as the game is known today, in the 12th century. The first record of a game played in New York was 1840. In the sixties and seventies, it was generally played in the west. At one time bowling alleys were an adjunct of saloons. Until 1873, there was much diversity of opinion as to the length of the alleys, size of the pins, and at that time a set of rules was adopted by players in convention and these were adhered to for some twenty years. By 1895 increased popularity called for the American Bowling Congress, which formulated and adopted rules governing the sport today, with some slight modifications, they prevail today.

Some Rules

An alley must not be less than 41" or more than 42" wide. It must be 60 feet from the head pin to the foul line, back of which there must be a clear run of fifteen feet. Pins must be of uniform size in conformity with these specifications: 15" high, 2½" base. 15" in circumference, 4½" above the base, 11½" in circumference, 7¼" from base, 5¼" in circumference at the neck, a point 10" above the base and 8" in circumference at the head, a point 13½" from the base. They are made of hard maple and the minimum weight is 3 pounds and 2

ounces. The largest ball must be 27 inches in circumference with a maximum weight of 16½ pounds. Any smaller size ball may be used.

The game was once thought of as for men only, but in recent years the women have taken it up and enjoy the sport.

SHAKESPEARE AND THE AUTO

Shakespeare lived some 400 years ago, and knew a great deal about many different things. He could not, however, know anything about automobiles, and yet a writer in the London Observer finds many references to the modern car, even though unwittingly. This writer submits a few quotations and shows that our present "automobile language" is not so new as we might think.

"Whence is this knocking?" (Macbeth, II., 2.)

"Will this gear ne'er be mended?" (Troilus and Cressida, I., 1.)

"I will remedy this gear ere long." (2 Henry VI., I., 1.)

"Thou hast wore out thy pump." (Romeo and Juliet, II., 4.)

"How the wheel becomes it!" (Hamlet, IV., 5.)

"Come let me clutch thee!" (Macbeth, II., 1.)

"And here an engine fit for my proceeding." (Two Gentlemen of Verona, III., 1.)

"You shall see how I handle her." (Measure for Measure, V., 1.)

"To climb steep hills requires slow pace at first." (Henry VIII., I., 1.)

"O most wicked speed." (Hamlet, I., 2.)

"How dost thou know that constable?" (Measure for Measure, II., 1.)

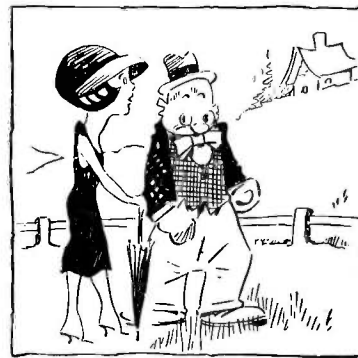
"Give me Swift for transportation." (Troilus and Cressida, III., 2.)

"Which of you know Ford of this town?" (Merry Wives of Windsor, I., 3.)

Jack Is Back

Jack Bain of Plant 2 returned to work December 27th after a case of pneumonia.

BEFORE AND AFTER



Vera—You said before we were married that my word should be law.
Louie—That was before I found out that the law was unconstitutional.

NEW ENGLAND MEETING

Water Works Association Has Good Session at Springfield.

The last meeting of the New England Water Works Association was held at Springfield, Massachusetts. The attendance was excellent, almost 600 active members registering. The total attendance was considerably above that number. The number of exhibitors, which included Mueller Co., was only two less than a year ago.

An event of much interest was a visit to Cobble Mountain Dam with the city of Springfield as the host. This is the highest hydraulic earth-filled dam in the world.

The Dexter Brackett Memorial Medal was awarded to Thaddeus Merriman, chief engineer, Board of Water Supply, New York City, who in 1931 presented before the Association the most outstanding paper on water supply that has appeared in years—"The Law of Interstate Water and Its Application to the Case of the Delaware River."

New Officers for 1932-3 are:

President: R. H. Ellis, Commissioner Water Works, Newton, Mass.

Vice-President: E. Sherman Chase, Consulting Engineer, Boston, Mass.

Vice-President: H. W. King, Supt. Water Works, Springfield, Mass.

Directors: Roger W. Esty, Supt. Water Works, Danvers, Mass; H. U. Fuller, Chief Engineer, Portland Water District, Portland, Maine; W. J. Scott, Chief Engineer, Connecticut State Dept. of Health.

Re-elected were: Frank J. Gifford, Secretary; Albert L. Sawyer, Treasurer.

The fortieth anniversary of Eiffel Tower, in Paris, the highest building in the world, was celebrated in 1929. Nearly 14,000,000 persons have ascended the tower since its construction.

The pay of the soldiers and sailors of the United States is said to be the highest in the world.

A Gutenberg Bible printed on vellum, is valued at more than \$250,000.

THE NEW YEAR'S ANNUAL



—Powers.
In the days of long ago when the family wash tub was the family bath tub as well.

GAS AND ITS USES

At the last meeting of the American Gas Association prizes were awarded as follows:

Scholarship in Purdue University for current year: Philip Rector, senior student in the school of Chemical Engineering. The successful young man is a native of Muncie, Indiana.

Beal Medal for submitting the best technical paper before a meeting of the American Gas Association last year: R. B. Harper, vice-president of the People's Gas Light and Coke Co., Chicago. The medal is of gold and is appropriately designed and engraved.

The Charles A. Munroe award for the most outstanding recent contribution by an individual to the advancement of the gas industry: Hugh H. Hamlin, manager of the business department of Brooklyn Union Gas Co., Brooklyn, N. Y. The award consists of a substantial financial recognition and an engraved certificate. The winner's accomplishment was the development of an unusually successful cooperative plan with appliance dealers.

American Gas Association Meritorious Service Medal: William E. Tracy, an inspector of the Kansas City Gas Co., Kansas City, Mo. On June 10, 1932, at great danger to himself he forced his way into a burning basement and rescued an unconscious woman who had already been badly burned.

A remarkable record is that held by Richard Keunellie of the Consolidated Gas Co. of New York City, who was the guest of honor at a dinner at the Hotel New Yorker, recently. He entered the employ of the company in October, 1882, and in his fifty years of service he was never late and was always the first man at his desk. There's a record to shoot at!

The 1933 convention of the American Gas Association will be held in Chicago during the month of September. The Century of Progress Exposition and the time that has elapsed since the association met in the west were determining factors.

DEMOSTHENES MAXIM

For this is my maxim: I hold that the party receiving an obligation should ever remember it, the party conferring should forget it immediately, if the one is to act with honesty and the other without meanness. To remind and speak of your own bounties is next door to reproaching.—Demos-thenes.

ABOUT TAPPING MACHINES

It's Time to Look Over Your Equipment in Preparation for 1933 Season.

The working parts of any machine finally wear out. The main portions of the Mueller Water Main Tapping machine will endure as long as any machine on the market. We know of these machines still in use after more than a half century. It's too much to expect of any tool or machine but the fact still remains insofar as the main part is concerned. There are certain parts, however, which do wear out. These include taps and drills, ratchet handles, saddles, gaskets, wrenches, etc. Some of these do not actually wear out, but owing to the fact that they are individual parts, they are lost or misplaced. We know that a machine a half century or more old is not the equivalent of the present day machine and should be discarded for a later model if the greatest efficiency in time and labor is to be obtained.

Many water works men are sharing the same belief and replacing their older machines for the late model which has been brought up to date. Your attention is called to the fact that we will allow you the full trade-in value of your old machine if you will send it in. Now is the time to do this. Before many weeks your force will again take up outside work. Why not be prepared for it with Mueller equipment which will speed up the work and at the same time make the task of tapping less arduous and less expensive.

In this connection, we suggest that you go over all of your tapping machines and make a careful examination of their fitness for this season's work. Be sure the tools and parts are in good shape for the coming season and in good efficient workable condition. If not, take up with us the question of a new machine or the replacement of necessary parts.

If you have a machine in need of general repairs, send it in to us. We will be glad to check it over and give you an estimate of the cost of putting it in first class condition.

We are confident that you will find this both advantageous and profitable to you.

(Continued from Page 28)

have turned out for play, but more players are needed.

The factory girls as well as daughters of employes are especially invited to join this group. If a few more turn out, a good game or games will be assured each evening.

There's nothing like exercise, girls, to keep that form and feel fit, so why pass up this opportunity. Turn out. A few suits are still on hand and you may use one without charge.

DANCING CLASS

On Jan. 7th Miss Van Dyke's dancing class resumed rehearsals at the Mueller Gym after a two weeks' Christmas vacation.

Miss Van Dyke reports an excellent class this year and the attendance has been quite regular, even though a number have been absent occasionally on account of sickness.

A LESSON IN ECONOMY

Mrs. George Washington Had Her Clothes Made Over.

The business men, the politicians, and the economists are all preaching "economy"; the women of the country, likewise, are imbued with the spirit, some through necessity and some through choice. In every gathering of women, the conversation sooner or later veers to the subject of clothes, and the ways in which they ply their originality and ingenuity to the revamping of their wardrobe. It is interesting to note that the original "First Lady of the Land" was an ardent advocate of economy, not through choice but because of her democratic principles. Mrs. George Washington always dressed in a most simple and unpretentious manner considering her great wealth, and it was her custom to have her gowns and coats remodeled many times. At one time she displayed with pride two dresses made of cotton with red and brown silk stripes which had been woven at Mt. Vernon from the ravelings of old brown silk stockings and red silk damask furniture covering. What woman of today, confronted with the problem of making last year's wardrobe conform to the present fashions, would think of going to such lengths? She may make hooked rugs out of her old silk stockings, but she draws the line at converting them into a dress.

DO IT NOW

This is a good time to have a thorough physical examination. It should be done every year. Dr. Long's services are available for this purpose and appointments may be made at the Employment Office. Retain your health by intelligent care.

PAPA HAD TRIED IT



He—I told your father frankly that I couldn't support you.

She—What did he say?

He—He said he had had the same experience.

DEATHS

Mrs. Sarah Sullivan

The friends in this organization of George F. Sullivan will regret the news of the death of his mother, Mrs. Sarah Sullivan, which occurred at 819 West Michigan street, Milwaukee, Wisconsin, November 11th. Mrs. Sullivan had reached the advanced age of 91 years. She was a pioneer resident of Milwaukee, having gone there with her parents when a girl of 11 years. In her long and useful life, Mrs. Sullivan witnessed the remarkable development of the United States. Her death came after an illness of four days.

Funeral services were held at 9:30 A. M., Monday, November 14th, in Gesu church and burial was in Calvary cemetery. She is survived by two daughters, Kathryn E. and Sarah J., and four sons, Thomas P., Edward C., William J., and George F. Sullivan. Her husband, Patrick, died in 1902. Mrs. Sullivan died in the same house she entered as a bride before the Civil War.

Robert J. Hoots

Robert J. Hoots, aged 77, died Friday, November 4th, in St. Mary's hospital. Mr. Hoots was for 20 years a member of the Mueller organization. He had never married and is survived by his twin brother, John J. Hoots. The deceased was born at Humboldt, Illinois, where he lived until he came to this city. The body was taken to Humboldt for burial.

Kelly Morgan

Kelly Morgan died recently at his home, 1125 Rogers Ave. He had been ill but a short time.

William Burgess

William Burgess, retired, died at his home at 1336 N. College street, November 21st. He died of cancer after an illness of several months. Mr. Burgess was conscious up to the moment of his passing and had the usual experience of telling his family goodbye while still in full possession of his faculties.

Mr. Burgess first went to work for the Mueller Co. on February 10th, 1899, and has been employed continuously in the foundry until his retirement January 1st, 1932. During most of his service here he was a brass molder. When the inspection department was organized, he was made inspector for foundry defects, a position which he held for the past twelve years.

He came to Decatur from a farm near Bemont. He is survived by his wife, Rachel Burgess, and three children, Mrs. C. E. Brown, Decatur; Mrs. L. B. Jackson, Bloomington, and O. G. Burgess, Elmhurst.

Although Mr. Burgess was a man of small stature, he was every inch a man and maintained his vitality with remarkable success. He was a cheerful, willing worker, honest and unselfish.

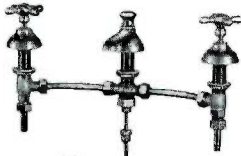
MRS. MARY J. PARKER

Mrs. Mary J. Parker, grandmother of Earl Parker of the Record Dept., with birthday cake bearing 91 candles. The birthday was celebrated last June when Mrs. Parker was in apparently good health. A few relatives and friends gathered to help in commemorating the anniversary. Mrs. Parker autographed this photograph in a strong, clear hand. She passed away December 27th after a very short illness, in the full possession of her mental faculties to the last moment.

TWENTY-ONE YEARS OF SERVICE**Remarkable Record of Mueller Goods in Henry Watterson Hotel at Louisville.**

The Henry Watterson at Louisville is one of the most popular hotels in that famous Kentucky city.

It was opened to the public in April, 1912, nearly twenty-one years ago. Two hundred and fifty pairs—five hundred Mueller Self-Closing Lavatory faucets—were installed when the hotel was built. These same faucets are still in use today. Mr. Edward J. Bosler, manager, says these faucets are still giving excellent service. Twenty-one years is a long time for any manufactured article to stand up, and especially in a hotel where subjected to public use night and day, and plenty of use at that in a hotel of the rank and popularity of the Henry Watterson. There is scarcely any other hotel equipment which does not have to be periodically replaced in the course of twenty-one years, but these Mueller faucets laugh at time, and continue to perform regardless of years. Plumbing equipment is generally regarded as expensive in upkeep, but not when Mueller goods are used. Manager Bosler is pleased with these Mueller goods and we feel a pride in the splendid manner in which they have maintained Mueller claims and reputation.



H-3611



H-4053



H-1654



H-5042

The New
MUELLER
Staple Line
Fits the
Purse
of
the Buyer
of
Today!

Note: Samples shown here.
The line covers every need.

The same quality—the backbone of all Mueller products for 75 years—dominates the new staple line—it is inbuilt—a quality not found in other regular lines.

The difference of Mueller Staple Line and Mueller Regular Line is so slight as to be practically unnoticeable—a result accomplished by elimination of some finer points, which in no way affect the mechanical features, or pleasing exterior appearance.

This staple line will give just as long and satisfactory service as ANY REGULAR line.

When thoroughly introduced it will supersede our Regular Line—that's how much we think of the Staple Line.

It will suggest to you the immediate advisability of careful investigation.

Inquiries gladly answered. Write us today for full information, prices, etc.

Trade Mark

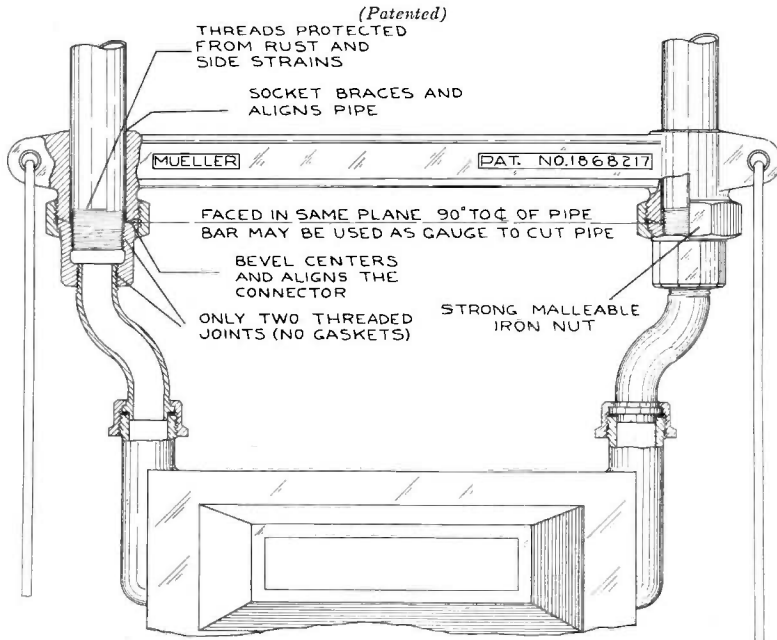
MUELLER

Reg. U. S. Pat. Off.

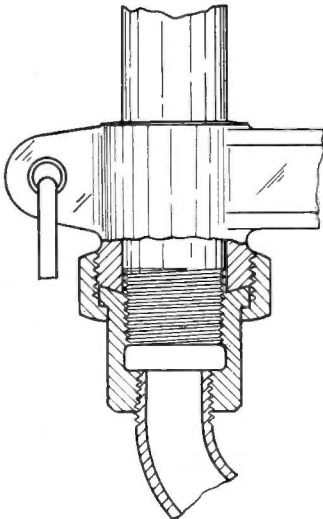
MUELLER CO., Decatur, Illinois

Our 75th Business Anniversary

New Mueller Meter Connection



Bevel Connector Type Features



Bevel
Connector

- Protects meter tubes from strain.
- Protects pipe threads from rust and side strain.
- Braces and aligns pipes.
- Bevel connectors align swivels.
- Only two pressure connections—no union joints.
- Bar serves as template for installation.
- Solid bar-rigid connections—accurately threaded.

WRITE FOR FULL DESCRIPTION, PRICES, ETC.

Trade Mark
MUELLER

Reg. U. S. Pat. Off.

MUELLER CO., Decatur, Illinois

Branches: New York, San Francisco, Dallas

Canadian Factory: MUELLER, Ltd., Sarala, Ont.