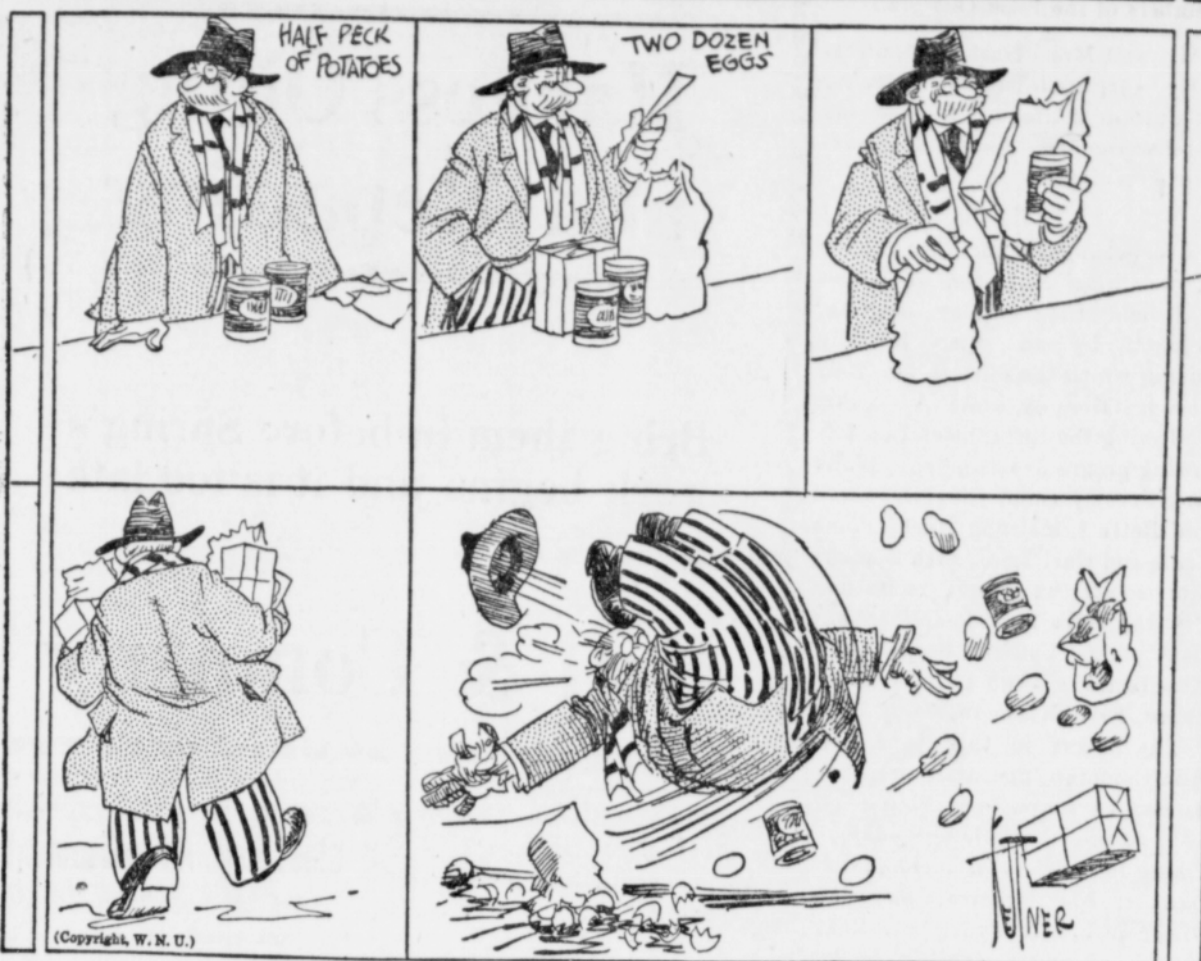
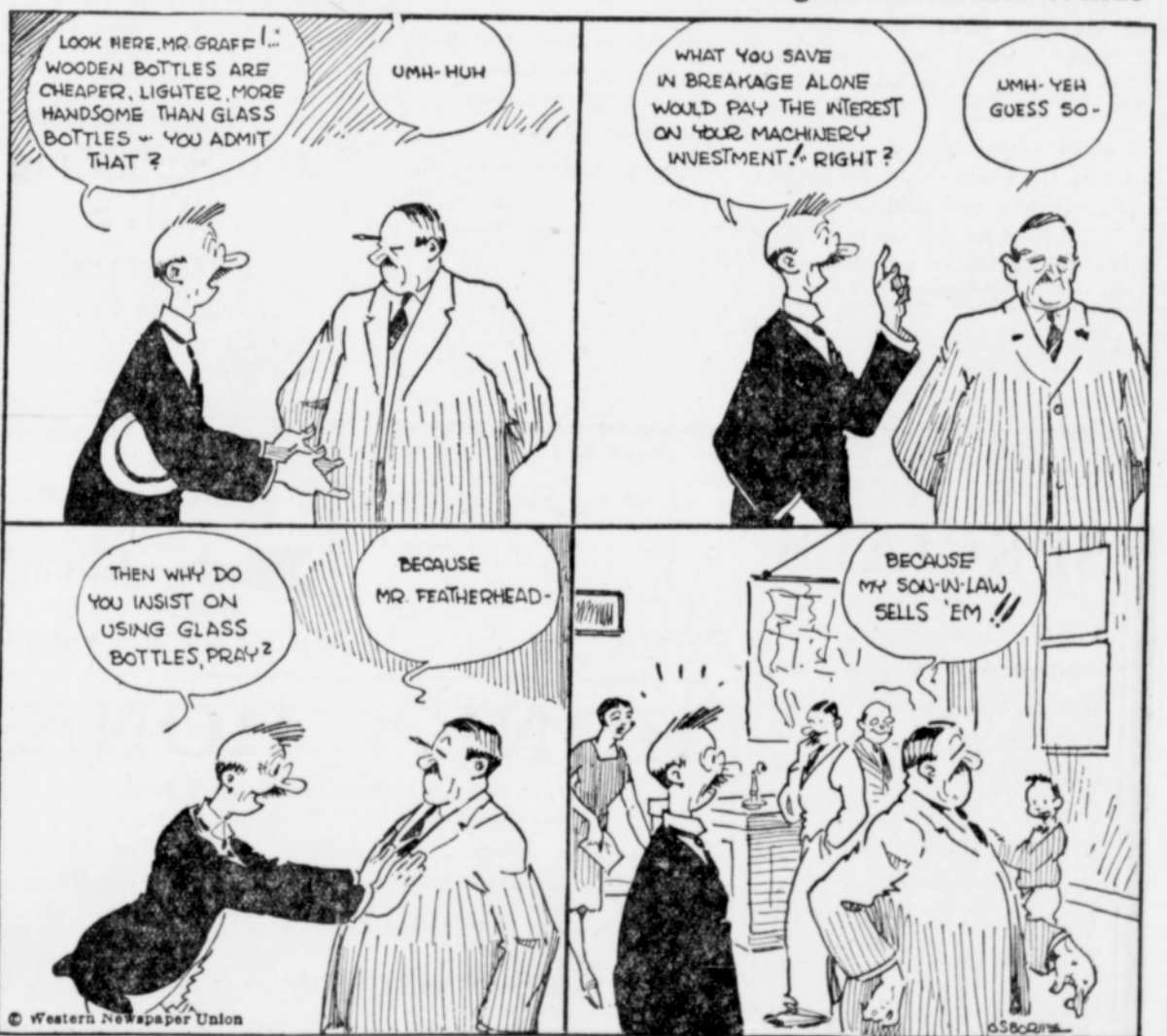


OUR COMIC SECTION

Our Pet Peeve



THE FEATHERHEADS



FINNEY OF THE FORCE

Kid Finesse



RADIO

Soldering Simple Job; Big Factor in Results

All joints in the antenna should be soldered to prevent corrosion and to keep resistance low. In receiving, very weak currents are present in the antenna circuit, and therefore any resistance tends to weaken the strength of the signals.

To make a soldered connection the following are necessary: a soldering iron, solder, flux and a piece of sal-ammoniac to clean the iron.

While the iron is being heated, either in a blow torch or ether flame, or by means of electricity, if it is that kind of an iron, carefully scrape the two ends of wire for about four inches. Be sure the wires are clean. Cross the wires about three inches from the ends and wrap each end around the other wire. This gives the best possible mechanical joint.

When the iron is hot, clean the tip by rubbing it on the block of sal ammoniac and then apply enough solder to the tip to "tin" it. Coat the joint with a thin film of flux. Apply the hot iron to the joint, and at the same time with the other hand, touch the solder to the tip of the iron. If the soldering iron is sufficiently hot and the joint clean, the solder should flow easily and instantly cool.—Fada Bulletin.

Tube Prongs May Not Be in Perfect Contact

Many fans have searched in vain for trouble in their receiving sets and failing to find it have torn the set apart and built one from some other hookup. And the trouble has been all the time that one of the tube prongs has not been in perfect contact with the springs of the tube socket.

This is a small item, but one of the most vital elements of the receiving set. In the case of contact of the filament prongs, it is easy to trace poor contact because the filament will not light unless the contact is good, and if it is poor the filament will flicker in such a manner as to give some guide to actual conditions.

But in the case of the contacts made by grid and plate prongs, the tracing of trouble back to this source is not so easy. But making sure that all contacts are good is a simple matter, if the fan will only take this precaution before wiring his set.

Take the tube sockets to be used in the particular hookup being built and insert the tube to be used in the socket for which it is intended. Unless the socket has a closed base, it will be an easy matter to ascertain

Metallized Leak Will Assure a Quiet Tone

Experimenters who are constructing short-wave sets to receive the high frequency signals from the radio-casting stations who have started this service should carefully adjust their detector circuits for maximum sensitivity. In the usual radiocast receiver in which two or more stages of radio-frequency amplification are used the value of the grid leak is not very critical. On the other hand in short-wave receivers, where little or no radio-frequency amplification is used and where regeneration is necessary, the resistance of the leak is fairly critical. To insure quiet operation and constant resistance a special leak such as the metallized type is advisable.

Radio Building Is Far From Being a Hard Task

Any amateur who knows how to handle a screw driver and how to bend a piece of wire with a pair of pliers can build a receiving set. The soldering of the connections is reduced to its simplest expression because the wires used and the terminals on all the apparatus are tinned and the soldering, if required is no difficulty worth mentioning. It is not necessary to have a knowledge to read diagrams of hookups. To build any standard circuit, full size drawings are furnished showing plainly the place each part occupies in the assembly and the various wires connected to each one.

FOR THE NOTEBOOK

A power amplifier will give increased volume and minimum distortion.

Dust accumulates moisture in a set and causes a drain on the batteries. To save the power unit, always turn its power off before the filaments of the set are turned off, and vice versa to turn on the filaments before the power units.

When variable condensers are difficult to turn, adjustment may be made to the bearings or the friction ring but under no condition apply oil to the working parts.

Never burn the filaments of a vacuum tube brighter than normal. Nothing is gained and the life of the tube is unduly shortened. If more power is required, use a larger tube.

An orange wood stick or silver from a fruit crate, covered with a piece of cotton, is handy for getting in close quarters to clean out dust and dirt. The cotton can be moistened with alcohol.

Cleric Has Peculiar Power to Find Water

Dr. Fexley Norris, dean of Westminster, England, is one of those men in whose hands a twig will reveal the presence of water below the ground. At York on one occasion he took the divining rod in his hands and found that it moved at a point near the city walls. It was not suspected that there was any water at the spot, but old plans revealed that the fishponds in the gardens of a former archbishop were situated there, and the spring which supplied the water must have been flowing still beneath the ground. It was quite by accident that he discovered this gift. When experiments were being made at his home thirty or more years ago by a professional, he took the twig and found to his surprise that it moved in his hands. Afterward the same thing happened when the professional men went over the ground, and the well that was sunk as a result is in use to this day.

Colonel Lost No Time Taking Up Rash Offer

While Col. Frederick Van Rensselaer Dey, better known as Nick Carter, sat one afternoon in a cafe with Mickey Finn, genial word-juggler the two engaged in mellow conversation, relates Joseph Van Ralte, in the Century Magazine.

"I think a lot of you, Mickey," sighed the colonel, slipping down on his shoulder-blades into greater ease, his long thin white fiddle hands buried deep in his peniless pockets.

"I think a lot of you, too," replied Mickey, "and there isn't anything on earth I wouldn't do for you."

"Anything, Mickey?"

It was a moment fraught with possibilities.

"Yes," said Finn, after brief consideration that lent greater value to the concession—"anything."

"Well, if that's the case," replied the colonel, "suppose you buy me a drink!"

Old Stall

Clyde Roades, the well-known traveler, loves to tell of his reception at a consulate in Persia. When he called, the doorman said:

"His excellency is not receiving today."

"But I have a letter of introduction," protested Roades.

"His excellency is burying his mother-in-law," said the servant with finality. "And," he added, as Roades turned to make his departure, "when ever his excellency buries his mother-in-law, he does not like to be disturbed."

Superiority Complex

"How do you account for the crime wave in your community?"

"I make no attempt to account for it," answered Senator Sorghum. "My position requires me to appear too polite and high minded to notice it."

Slight Difference

Jerry—You say you're coming out in spots? See a doctor.

Ted—No, I said spots.

Old Town Wakes Up

Ragusa, Dalmatia, a walled and battlemented town dating from the Seventh century, has become a popular watering place. The town once had the reputation of being the sleepiest, laziest place in the world. Today the square is crowded with Germans.

SHE WENT FROM BAD TO WORSE

Down to 98 Pounds—Finally Restored to Health by Lydia E. Pinkham's Vegetable Compound



Cleveland, Ohio.—"After having my first baby, I lost weight, no matter what I did. Then a doctor told me I would be better if I had another baby, which I did. But I got worse, was always sickly and went down to 98 pounds. My neighbor told me about Lydia E. Pinkham's Vegetable Compound, as it helped her very much, so I tried it. After taking four bottles, I weigh 116 pounds. It has just done wonders for me and I can do my housework now without one bit of trouble."—Mrs. M. RISSINGER, 10004 Nelson Ave., Cleveland, Ohio.

If some good fairy should appear, and offer to grant your heart's desire, what would you choose? Wealth? Happiness?

Health? That's the best gift. Health is riches that gold cannot buy and surely health is cause enough for happiness.

Lydia E. Pinkham's Vegetable Compound may be the good fairy who offers you better health.

Food Secrets, Magic Book, Worth \$100, only \$1.00. Over 100 cereal recipes. Make, bake, buy and save 25% on extra. Agents wanted, 75% commission. C. E. Oliver, Warsaw, Ind.

EYES HURT?

For burning or sore eyes, and to relieve inflammation and soreness, use Mitchell's Eye Salve, according to directions. Soothing, healing.

HALL & BUCKLE, 147 Waverly Place, New York

Vanadium Once a "Cure"

That vanadium, today an element essential to the manufacture of steel, was once considered to have value only as a "medicine" is revealed by a writer in the Boston News Bureau. At one time, according to this writer, it was considered a cure for many kinds of ills. The Flannigans of Pittsburgh then controlled vanadium. They believed it contained valuable chemical properties. A quarter of a century or so ago they erected a big sanitarium in Cambridge Springs, Pa., at a cost of \$500,000 or more. It was well patronized for a time, but the building was sold many years ago, and is now used for other purposes.

DEMAND

BAYER

ASPIRIN

The whole world knows Aspirin as an effective antidote for pain. But it's just as important to know that there is only one genuine Bayer Aspirin. The name Bayer is on every tablet, and on the box. If it says Bayer, it's genuine; and if it doesn't, it's not! Headaches are dispelled by Bayer Aspirin. So are colds, and the pain that goes with them; even neuralgia, neuritis, and rheumatism promptly relieved. Get Bayer—at any drugstore—with proven directions.

Physicians prescribe Bayer Aspirin; it does NOT affect the heart

Aspirin is the trade mark of Bayer Manufacture of Monocrotalindioester of Salicylicacid