

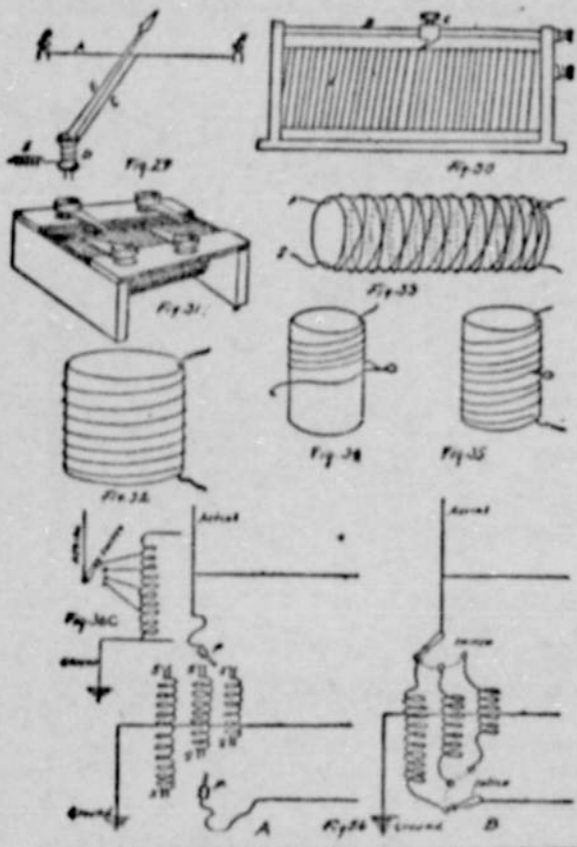
THE HOME RADIO

How to Make and Use It By A. HYATT VERRILL

XIII. AMMETERS

Ammeters are instruments designed to measure the flow of electricity through the wires and are often very essential parts of a radio outfit. They consist, as far as exterior appearances go, of a dial marked with figures and a hand or needle. Although they are not high priced and it is not advisable to try to make them, still there is nothing mysterious or complicated about them and the amateur, who likes to experiment with home-made instruments, can readily construct an ammeter which will work and is fairly reliable. This instrument is known as a "hot-wire ammeter" (Fig. 29).

and consists of a fine platinum wire A, secured between two fixed supports B, B, a thread C, fastened to the center of the wire and passed around a spool or spindle D, a spring attached to the end of the thread E, and a pointer or hand fastened immovably to the top of the spindle F. The electrical connections are made at B, B, and as soon as a current passes through the platinum wire, A, the wire becomes heated and expands, thus allowing the thread to slacken. The slack is instantly taken up by the spring E, thus revolving the spindle and swinging the needle to one side.



The greater the current the more the pointer swings and so, by arranging a dial with marks under the needle and testing the device with currents of known force, a fairly accurate instrument can be made. Needless to say, the parts must be small and neatly and accurately made and the spring must be adjusted to merely hold the thread tightly without pulling or bending the wire appreciably. Also, the length of the wire is a great factor for the longer the wire the greater will be the amount it expands, and consequently, the greater the movement of the needle; but, on the other hand, it will be more difficult to adjust a long wire to remain tight than a shorter one and the only way to determine the proportion of the various parts is to experiment.

Announcing RED SQUARE VACUUM CUP CLINCHER CORD TIRES

30 x 3 1/2 \$13.65
31 x 4 \$15.90

(Interchangeable with Fabric Tires of same size)

These tires possess the proved quality and mileage delivering goodness of all Pennsylvania Vacuum Cup Cord Tires, at epoch-making prices. Substantial production and economical sales policy account for the astoundingly low users' prices quoted. Pennsylvania quality strictly maintained.

Prices of all other sizes just as attractive. For example:	
30 x 3 1/2 Vacuum Cup Fabric	\$11.95
32 x 4 Vacuum Cup Cord	29.25
33 x 4 Vacuum Cup Cord	30.15
32 x 4 1/2 Vacuum Cup Cord	37.70
35 x 5 Vacuum Cup Cord	49.30

— for a limited time —

FREE! A "TON TESTED" TUBE with each regular Vacuum Cup Tire purchased

Scio Garage

The Scio Tribune \$1.75 the year

Local Brevities

Bert Stevens of the Woodworth Drug Co., of Albany, was a business visitor Thursday.

Miss Macel Hassler was visiting her grandmother, Mrs. Hassler, latter part of last week.

Jack Hirons was calling on friends in Scio Friday. He is preparing to leave for O. A. C. Sunday.

Mrs. Dr. Jones, of Portland, is visiting her mother, Mrs. J. Morris, and other relatives and friends.

Mr. and Mrs. Wm. Abbot and Mr. and Mrs. R. Shelton attended a Baptist picnic at Albany Saturday.

D. M. John of the Oregon Life Insurance Co., was a Community Fair visitor Saturday, having a display at the fair.

The special community fair window of the Kelly Drug Co. received many compliments. Why not have more windows of this kind on days of this importance.

Patrons of the Meadow Shade Dairy, will be pleased to know that the price of butter will remain the same (50c a pound) for this week, regardless of the rise in price of butter fat.

Again we call your attention to empty milk bottles. If you have bottles belonging to us we'll be glad to call for same if you will phone or let us know. Thanks. Meadow Shade Dairy.

Miss Annie Compton, formerly of this city now of Stayton, was married at last Thursday to Joe Crawford of Mill City. Mr. and Mrs. Crawford expect to go to California, as that is the home of the groom's parents.

Ray Hassler, who is employed at the Oregon City paper mill, spent the week end visiting his parents in this city. Mr. and Mrs. Henry Hassler. Ray has been suffering from a bad blood poisoning case in his right arm and is still under the care of the company doctor, as he is not yet out of danger.

Weedon Mosher

(Continued from page 1.)

death on Sept. 14, 1922, being a resident here for but two and one-half months.

L. H. Mosher, a son and his wife, of Tacoma, and Mrs. Edith Willey, a daughter, of Portland, are the only surviving members of his immediate family, the wife having died some 18 years ago, and is buried at Castle Rock, Wash., where his remains were shipped on Saturday morning.

Card Of Thanks.

The many kindnesses shown us, strangers, in the death of our beloved father, Weedon Mosher, is appreciated beyond words and we wish to express our thanks for them. We shall always hold a warm place in our hearts for the people of Scio.

L. Mosher and wife
Mrs. Edith Willey.

Meadow Shade Enlarges.

Construction of additional room on the building now occupied by the Meadow Shade Dairy was started Monday. Ever since the opening of this popular business there has been a need of more space.

The new addition of 18x20 feet will give ample room for the moving of all butter making and milk testing machinery to the rear of the building, and then the addition of a very complete egg testing room leaving the front room all for the trade.

Such improvements as this is what makes our community prosper.

"The Dairy Cow

Produces the greatest, most life-giving of all foods.

This Humble Servant

pays off the mortgage, builds the home, enriches the soil, pays the grocery bill, clothes the body and renews the bank account.

For all these benefits

She asks only loving care and good food."

Oregon Milk Company

Condensery, Scio, Oregon

Get away this year--

Oregon State Fair

Salem--September 25-30

RAILROAD TICKETS ONLY COST



One Fare
and a Third
Round Trip

Sale dates September 23 to 30—Return limit October 2nd

Special Attractions Day and Night

\$75,000 in Premiums and Purses

Agricultural Displays—Exhibits of Every Kind

Greatest Horseshow in Northwest

Horse Racing—Amusements—Stock and Poultry Show

For further particulars ask agents or write

JOHN M. SCOTT,

General Passenger Agent.

Repairing Heating Plant.

W. E. Lough and C. H. Parks, representing the Nelson Bros. Plumbing Co., of Salem, arrived in Scio Monday and commenced the work of repairing the heating plant at the Scio school building. It will take about 10 days or two weeks to complete the work, so the men announced. When finished, the heating system will be better and serve the purpose of the school for some time to come, and the total expenditure will be about \$600. While here the men are stopping at the Scio hotel.

Notice To Exhibitors.

The premiums have now been awarded and same can be had by applying to R. M. Cain for the orders on the secretary of the Community Club. All winners will find their names in the general writeup of the community fair, and prompt response to this call will be appreciated.

I. V. McAdoo, Sec.

If you are needing printing of any kind you can do no better than by coming to The Tribune.

COMING Oct. 3, 4, 5, 6

LINN CO. FAIR

Bigger and Better Than Ever

Albany, Ore.