

HOSTETTER'S CELEBRATED STOMACH BITTERS

Feel Young

Take care of your stomach and preserve your health.

HOSTETTER'S Celebrated Stomach Bitters tone up the digestive organs, stimulate the appetite and promote a feeling of physical fitness. At all Druggists.

The Hostetter Co., Philadelphia, Pa.

Boschee's Syrup

HAS BEEN Killing Coughs for 59 Years

Carry a bottle in your car and always keep it in the house. 50c and 90c at ALL DRUGGISTS.

Quick Safe Relief

CORNS

In one minute—or less—the pain ends. Dr. Scholl's Zino-pad is the safe, sure, healing treatment for corns. At drug and shoe stores.

Dr. Scholl's Zino-pads

Put one on—the pain is gone

CHAFING and RASHES

promptly relieved and healed by a few applications of

Resinol

RUB YOUR EYES?

Use Dr. Thompson's Eye-water. Buy at your druggist's or the River, Troy, N. Y. Booklet.

Sure Sign

"There's visitors downstairs!"
"How can you tell?"
"I heard mother laugh at father's joke!"

Stop the Pain.

The hurt of a burn or a cut stops when Cole's Carbolivase is applied. It heals quickly without scars. 25c and 50c by all druggists, or send 30c to The J. W. Cole Co., 127 S. Euclid Ave., Oak Park, Ill.—Advertisement.

All things might come to the man who waits if starvation didn't get there first.

For Weak, Ailing Women

San Diego, Calif.—"Dr. Pierce's Favorite Prescription is an excellent tonic and nerve for women. I got all rundown, weak and nervous, had severe backaches and bearing pains in my side. I took the 'Prescription' and it proved very beneficial, relieved me of my inward trouble, strengthened my nerves, and helped my whole physical make-up. I think the 'Favorite Prescription' is the best medicine any weak and ailing woman can take. It builds up and strengthens the nerves and makes one feel better in every way."—Mrs. A. J. Bennett, 3015 Newton Ave.

Send Dr. Pierce, President Invalids' Hotel, in Buffalo, N. Y., 10c for trial package of Prescription tablets.

Coughs—Colds!

Break up with Musterole. The oil of mustard gives quick relief. Massage in gently with your fingers.

MUSTEROLE

WILL NOT BURN Better than a Mustard Plaster

PASTOR KOENIG'S NERVINE

FOR NERVOUS AILMENTS

PRICE \$1.50

Write for FREE BOOKLET!

If your druggist cannot supply you, send forwarding charges prepaid, from KOENIG MEDICINE CO., 3048 N. WELLS ST., CHICAGO, ILL.

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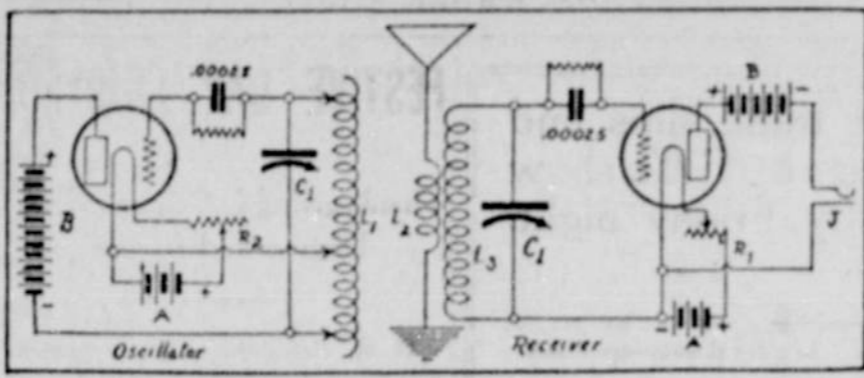
Agents, Distributors—20% profit selling MORTON'S—guaranteed product, new discovery equals gasoline at 1c a gallon. It gives 100 miles, 1500 monthly cost. P. A. LeFebvre & Co., Dept. CW, Alexandria, Ont., Can.

Dickey's OLD RELIABLE Eye Water

relieves sun and wind-burned eyes. Doesn't hurt. Genuine in Red Folding Box. 25c at all druggists or by mail. DICKEY DRUG CO., Bristol, Va.—Tenn.

W. N. U., San Francisco, No. 46-1925.

RADIO



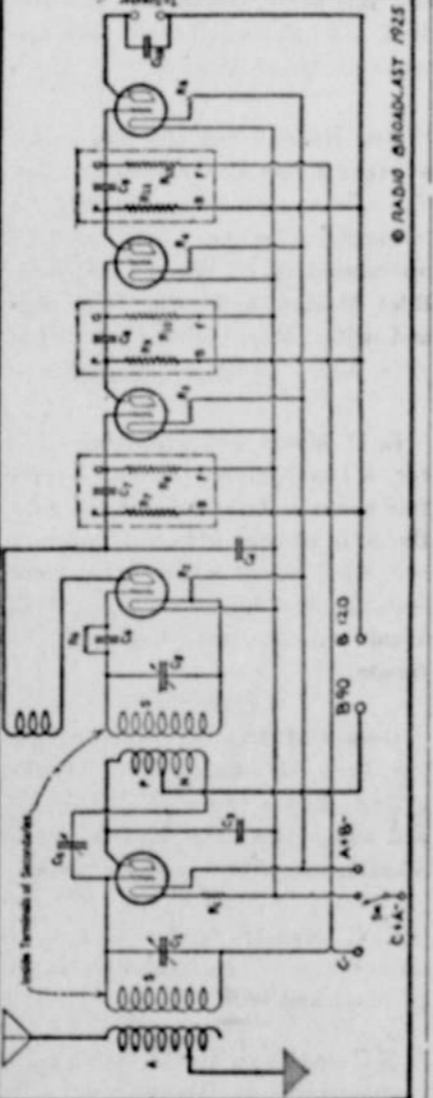
If you have a nonregenerative receiver and you desire to listen into pure CW code signals, the above method will be the solution. L1 consists of 50 turns of No. 22 DCC wire wound on a 3 1/2-inch tubing and tapped at every third turn. C1 is a .0005 mfd. variable condenser. The arrow coming from the A minus is the only variable portion of the coil and goes to the 16 taps. By varying these taps, closer or looser coupling between the plate and the grid can be obtained. Use a UV 201A tube with 67 1/2 volts on the plate.—Radio World.

Sixteen Stations in Three Minutes

Ideal Radio Receiver With but One Main Tuning Control.

One of the chief problems of the home constructor is that of trying to combine sensitivity with quality. It is generally admitted that the superheterodyne represents the utmost in sensitivity but then, on local stations the quality is not what it might be. Possibly this accounts for the fact that many set manufacturers are no longer making a superheterodyne model but are going back to straight radio-frequency amplification. Many receivers on the market only employ a single stage of R. F., which will be found quite sufficient for general purposes. Two stages will only complicate tuning, or if single control is employed, the full value of the two stages is often not obtained.

"For a very long time we have been looking for the kind of receiver which



The Five-Tube Aristocrat Receiver.

would be easy to build, easy to operate and at the same time be comparatively economical," writes Arthur H. Lynch in the new Radio Broadcast Magazine. "In the receiver described here will be found what we consider a solution of the problem. There is but one main tuning control which makes the finding of stations so simple that a child can secure surprising results. In an actual demonstration, we have been able to show that by means of this single control and no other adjustments whatever, it was possible to hear sixteen stations in less than three minutes, with a single turn of the tuning dial. When other adjustments were made—and where is a DX fan who will not want to be certain that he is getting the last drop of energy out of his set?—we have been able to procure distance with volume, which few receivers other than a superheterodyne could have accomplished. And above all, we have been able to secure tone quality which has been described by many of the radio design-

ers and enthusiasts who have come to witness the performance of our new outfit, as being far superior to most receivers they have seen or heard. We believe this receiver will do much to endear radio to those music lovers who up to the present time have felt that radio reproduction was not sufficiently free from flaws to produce the music they love with true fidelity.

Famous for Tone Quality.

"In the Radio Broadcast 'Aristocrat' there is one stage of tuned, neutralized, radio-frequency amplification, a regenerative detector, and three stages of resistance-coupled amplification. Before going, let it be said that the resistance-coupled amplification employed should not be confused with similar systems described in the past because it is now possible to maintain tone quality, for which this type of amplifier is famous, together with great volume, due to the foresightedness of some of the tube manufacturers who are now marketing what are known as high-Mu tubes. These tubes are specially designed for resistance-coupled amplification and the amplification per stage which is obtainable with them is far greater than has heretofore been generally possible.

"As was mentioned above, tuning is accomplished by a single dial. This dial is used to control a Hanscom single-control unit and is the main tuning control. It is a unique arrangement of two Remler condensers, geared together in a manner which makes tuning of the antenna and radio-frequency circuits simultaneous. The panel is 7 by 18 inches and there is plenty of room on it for all the equipment necessary, when a sub-base is employed.

"The tuning inductances and the variable condenser assembly, antenna switch and battery switch are mounted on the main panel, while all the remaining equipment is either on the top or bottom of a 2 1/4 by 17 1/2-inch subpanel, which is suspended from the main panel by means of Benjamin No. 000 brackets. On the upper side of the subpanel are mounted the five tube sockets, three resisto-couplers, the grid condenser and leak mounting, and the variable neutralizing condenser. It is also possible to find room for all the binding posts, including those for the three connections for the C battery, if they are thought to be desirable. On the under side of the subpanel there are five mountings which are used for the filament ballast resistors.

- Lists of Parts.**
- One 7 by 18 panel.
 - One 2 1/4 by 17 1/2 subpanel.
 - One Hanscom S. C. condenser unit.
 - One set Eastern knockout coils.
 - One Carter filament switch.
 - Two Apex knobs.
 - Five Benjamin sockets.
 - Three Daven resisto-couplers with three .1 megohm resistors and one each 1 meg., .5 meg., and .25 meg. resistors.
 - One Hammarlund neutralizing condenser.
 - Two .004 Sangamo fixed condensers.
 - One Dubilier .5 microfarad by-pass condenser.
 - Six Daven No. 50 mountings.
 - One Daven leakdetector (a new unit which combines the grid condenser and leak).
 - Five Daven ballast resistors (the capacity of these resistors depends on the type of the tubes used).
 - One Helden standard color, five wire cable.
 - Two Benjamin No. 000 brackets.
 - Two to six Eby binding posts.
 - Two dozen 6 or 8-32 round head, brass machine screws, 1/4 inch long.
 - The five ballast resistors are shown in the diagram as R1-2-3-4-5. The selection of these will depend entirely on the types of tubes employed. The ideal combination of tubes consists in the use of two ordinary six-volt storage battery tubes for the radio-frequency amplifier and the detector, two high-Mu tubes for the first two stages of audio, with a semipower tube in the first stage.

Mr. Dairyman

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Dispose

of a cow in a day, but to

Produce

one requires from 2 1/2 to 3 years?

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