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 Ben-Gay at any drug store and you will get a tube of the original French Baume Bengay (Analgesique), then apply as follows: massage the area of pain with the Baume—rubbing gently at first—and then with more firmness. Keep a tube handy for Lumbago. THOS. LEEMING & CO., NEW YORK

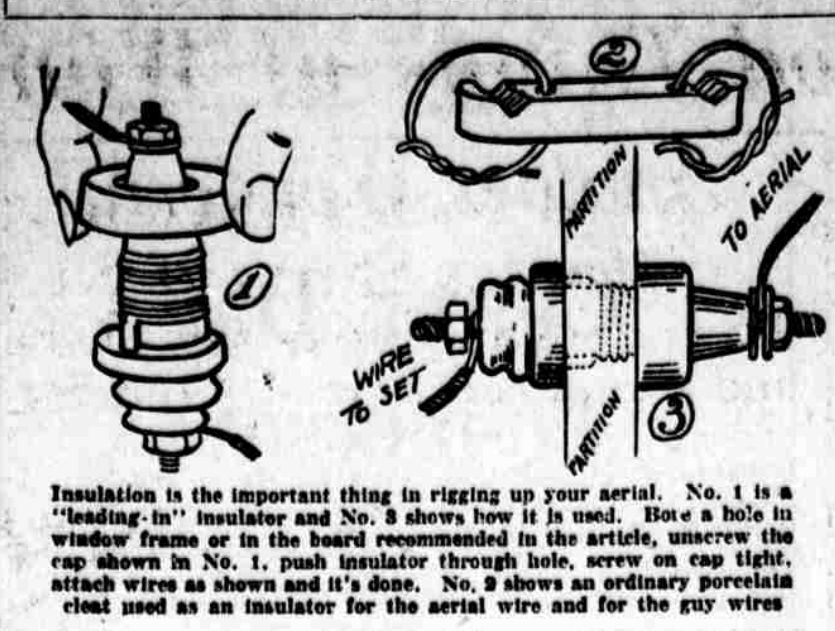
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RADIO IN THE HOME
 By HENRY M. NEELY



Insulation is the important thing in rigging up your aerial. No. 1 is a "leading-in" insulator and No. 2 shows how it is used. Hole in window frame or in the board recommended in the article, unscrew the cap shown in No. 1, push insulator through hole, screw on cap tight, attach wires as shown and it's done. No. 3 shows an ordinary porcelain cleat used as an insulator for the aerial wire and for the guy wires.

How to Rig Up Your Aerial
 The main secret of success for an aerial is good insulation. Insulating means preventing the weak electric currents from going anywhere except through the wires intended for them. An insulator is a substance through which electricity will not flow. When you are putting a plumbing system in your house you see to it that the water has an easy flow through the pipes and that there are no bad joints or leaks through which it can escape. Wires are the pipes for the radio plumbing supply. Bad joints are bad connections between wires. Leaks are where the insulation is poor and the electric current manages to escape from the wire and waste its energy somewhere where it can not be used.

So good connections and good insulation are the prime requisites of an aerial and a receiving set. Porcelain is a good insulator; so are hard rubber, bakelite, sulphur, paraffin, glass and a dozen other substances. Consequently we use one of these substances wherever a wire comes near another object through which it might waste its energy.

In rigging up your aerial these insulators must receive the strictest attention. On each aerial mast or pole you will have a pulley through which you run the rope or clothingline that hauls up the aerial. This rope ties to one end of a good insulator, and the aerial wire is made fast to the other end of the insulator.

If you have two, three or four wire aerials, you will have sticks of wood called "spreaders" to hold the wires the proper distance apart. You will have a rope tied to each end of each spreader so as to tie the spreaders down horizontal. Each one of these "guy ropes," as they are called, must have an insulator where it joins the spreader. This may seem useless precaution, but remember that on a damp or rainy day rope becomes saturated with water, and water is an excellent conductor of electricity. The currents received in your aerial wire would enjoy running down the water in the ropes and laughing at your attempts to force them into your receiving set.

If you want the best, you can buy these insulators made in a form especially adapted for aerial work. They are from six to twelve inches long and are made of the best insulating material and formed with deep corrugations to make the leakage path of the surface as long as possible.

But if you can't afford these luxuries get some of those porcelain cleats that are made to hold electric wires along the ceilings of buildings. They will answer the purpose very well for the receiving set. It is best to give them a good coating of grease every once in a while so that rain water will run off of them and not collect in such a way as to insulate the electricity to leak out of the wire.

Good insulation is also important at the place where your wire from your aerial comes through the wall or window to your receiving set. There are insulators built especially for this purpose, too, and a good one will cost about \$2. They are called "lead-in" insulators.

But you can rig up on yourself. Cut a board about two inches broad and long enough to fit snugly into your window frame. This will enable you to close your window down on it tightly when it rains. Bore a hole in this board just big enough to pass through a short length of heavily insulated wire—about No. 10. Solder the lead from the aerial to the outside end and bring the inside end to your receiving set. Or set one of these porcelain cleats snugly over the hole and pass the lead-in wire through, but if you do this you must wrap all that is inside with insulating tape, for there must be no danger of anything touching the bare wire of the lead-in.

Today's Programs

Philadelphia Station (WFI) (Strawbridge & Clothier)
 1:10 P. M.—Late news items from Pentic League.
 1:30 P. M.—Strawbridge & Clothier male quartet. Loretta Kerr, accompanist.
 2:30 P. M.—Hase solo. John Vanderloot.
 3:40 P. M.—Duet. Edna Galtie Hayes, soprano; Morris Stroud, tenor. Contralto, Sayal; Max Kline, accompanist.
 2:45 P. M.—Tennie solo. John Owens.
 3:00 P. M.—Strawbridge & Clothier male quartet.

LATEST AND MOST POPULAR Radio Books

Radio Hook-Ups, by M. B. Sleeper... \$.75
 An indispensable book to the radio amateur who designs or builds his own receiving apparatus.

Radio Design Data, by M. B. Sleeper... \$.75
 A book giving tables and data for designing, receiving and transmitting apparatus.

Construction of New Type Trans-Atlantic Receiving Set, by M. B. Sleeper... \$.75
 Tells how to listen to the high-power telegraph stations of foreign countries.

Construction of Radiophone and Telegraph Receivers for Beginners, by M. B. Sleeper... \$.75
 Tells in detail the building of radio apparatus.

How to Make Commercial Type Radio Apparatus, by M. B. Sleeper... \$.75
 Describes in detail many commercial types of transmitting spark and vacuum tube sets, both telephone and telegraph and receiving equipment of all kinds.

Wireless Telegraphy and Telephony Simply Explained, by A. P. Morgan... \$ 1.50
 A book the radio experimenter cannot afford to be without.

Experimental Wireless Stations, by P. E. Edelman... \$ 3.00
 A book describing all modern improvements.

A B C of Vacuum Tubes Used in Radio Reception, by E. H. Lewis... \$ 1.00
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 B 124, LEDGER OFFICE

DAYLIGHT SAVING TIME
 Effective Sunday, April 30

All trains on the Philadelphia & Reading Railway and Atlantic City Railroad will continue to be operated on Eastern Standard Time. However, in order to conform with Daylight Saving Time conditions in Philadelphia, New York, Reading, Atlantic City and other municipalities on, or reached by the Reading System, trains will be run one hour earlier than shown in present timetables, wherever feasible.

For example:
 Train now leaving Philadelphia at 5:35 p. m. for Germantown and Chestnut Hill will leave at 4:35 p. m. Eastern Standard Time, which will be 5:35 p. m. Daylight Saving Time.
 Train now leaving Philadelphia at 4:50 p. m. for Atlantic City, will leave at 3:50 p. m. Eastern Standard Time, which will be 4:50 p. m. Daylight Saving Time.

No change will be made in through trains between Philadelphia and Buffalo in connection with the Lehigh Valley Railroad, nor between Philadelphia—Binghamton and Syracuse via the P. & R.—C. R. R. of N. J.—J. & W. routes.

For example:
 "Black Diamond Express" now leaving Philadelphia 9:30 a. m. for Buffalo, etc., will continue to leave at 8:30 a. m. Eastern Standard Time, which will be 10:30 a. m. Daylight Saving Time.

New Time-Tables may be obtained at Ticket Office on or before April 30th.

Philadelphia & Reading Railway
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"We must have more"
 —demands Philadelphia.
 So again this week you can buy this distinctive ice cream with the wonderful old-time flavor. Just around the corner is the Abbotts dealer. Serve Frozen Egg Nog tonight.

Abbotts Frozen Egg Nog

Buy it from your dealer in bulk or in the sanitary machine-filled package which brings Abbotts Ice Cream direct from the freezer to you, untouched by hand.

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450.00 to 550.00 Fur Coats.....	215.00
650.00 to 775.00 Fur Coats.....	325.00
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