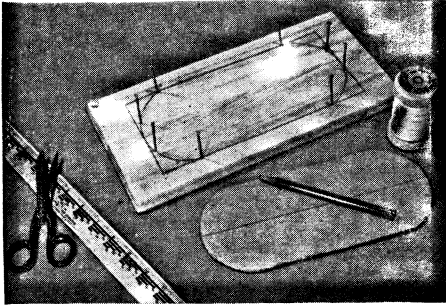
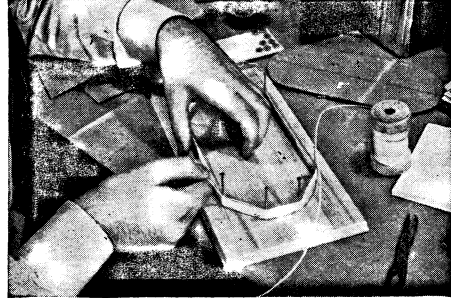


COST and utility make it well worth your time to build your own loop antenna to modernize your old radio and get rid of unsightly tangled wire strung along the floor or hanging out the window. The cost is but

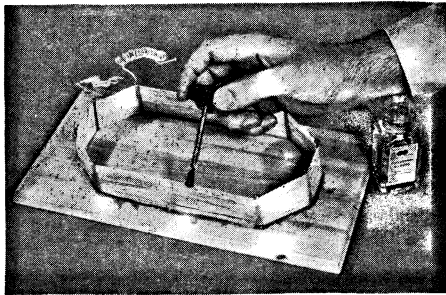
a few cents, very little time is needed, and you can design the new antenna to fit your individual cabinet. The photographs below show the materials that are needed and also the step-by-step construction.



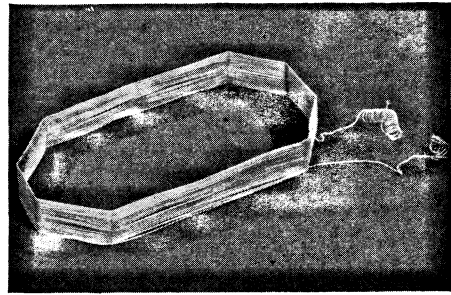
1 Cut a cardboard template about three fourths the size of the back radio cover or opening, lay the template on a board, and around it drive eight 2" nails or pegs. The one here is 4" by 9"



2 Remove the cardboard, and wind either No. 24 or No. 26 double-cotton covered wire around the nails in the form. Approximately 50 turns will be needed. Wind the wire evenly and tight



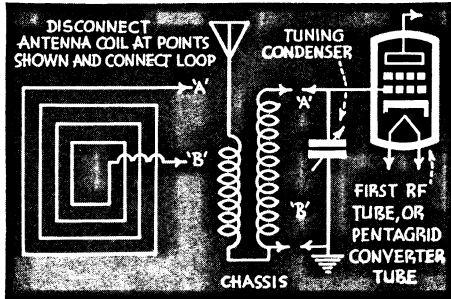
3 At the sides, carefully drive in two more nails to stretch the windings; then apply with a brush a special liquid dope solution carried by radio stores. This sticks the windings together



4 When this dope solution has dried so that the wires will not fall apart during handling of the loop, the nails are drawn from the base. The antenna can then be lifted off for installation



5 Adhesive tape or glued paper holds the loop to the back cover of the radio cabinet or suspends it from the top of the back opening. The antenna is light enough to need no other support



6 To use the loop, disconnect the old antenna coil, as shown. A few turns of the loop may be removed one at a time if needed to balance the trimmer condenser on the ganged tuning condensers