

HOW TO BUILD RURAL TELEPHONE LINES

age, or branch wires can be run from the main line in the buildings and then run over and empty the construction. Reference to Fig. 4, in which a, a, etc., represent the buildings to be connected, and the main line and a and b the branch wires, will make this point clear.

POLES

Poles twenty-two or twenty-five feet long of any good stock, but when good, should be used. Cedar and chestnut are particularly desirable on account of their lasting qualities. The poles should be reasonably straight and well proportioned. The diameter

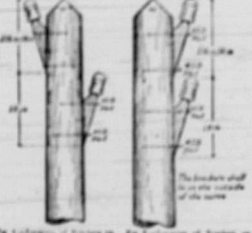


Fig. 4—Illustration of bracket on pole. Fig. 5—Illustration of bracket on pole. Fig. 6—Illustration of bracket on pole.

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of the top of the pole should be about 5 or 6 inches. In order to prolong the life of the poles and add to their attractiveness, all the bark should be removed, knots removed clear and the butt cut off square. The top of the poles should be sealed as shown in Fig. 5.

POLE FITTINGS

When only one or two line wires are to be strung on the poles, oak brackets fitted with glass insulators are fastened to the pole as indicated in Fig. 5 for straight lines, or as shown in Fig. 6 at corners. The brackets should be attached to the poles before the poles are sealed.



BRACKETS

Brackets Figs. 7 and 8 are usually made of oak and give two coats of metallic paint and have a thread on the upper end to which is fastened a glass insulator, a type, as used in telephone work, is shown in Fig. 8.

They should be about 18 inches apart. The upper bracket should be 8 inches from the top of the pole.

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