

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

SECTION G22.125.1
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AT&T Co Standard

WOODEN POLE BRACKETS
GENERAL

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1. GENERAL

1.01 This section, together with Sections G22.125.2 to G22.125.5, inclusive, has been prepared to revise and expand the information formerly contained in Section G22.125, Issue 2 concerning wooden pole brackets.

1.02 Wooden pole brackets may be used on lines with average span lengths up to 600 feet.

Note: Transmission requirements may make the use of crossarms necessary on jointly used lines where the average span length is greater than 300 feet and the line is exposed to severe electrical influence.

1.03 Various types of construction are indicated as being applicable to Heavy, Medium or Light Loading Areas. If, for a certain arrangement, no reference is made to a loading area, it will be understood that the arrangement is the same for all three loading areas.

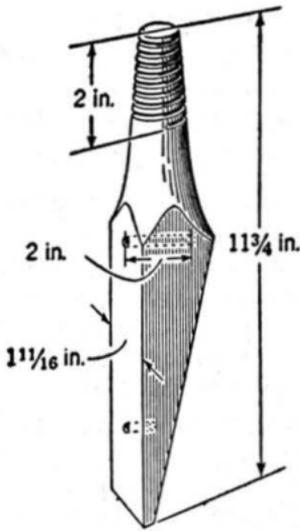
1.04 Wooden pole brackets are suitable for use in supporting rural, exchange, and toll open wire circuits in lines where the use of crossarms is not necessary. Where two or more circuits are to be supported initially, it will ordinarily be more advantageous to place crossarms.

1.05 Brackets may be attached to jointly used poles provided the Electric Light or Power Company has approved such construction.

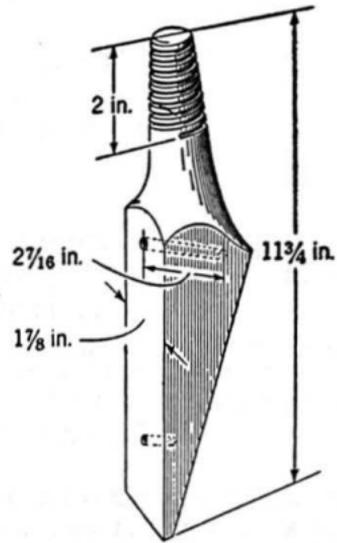
2. WOODEN POLE BRACKETS

2.01 The B Wooden Pole Bracket is for use in supporting Exchange and Toll insulators.

2.02 The C Wooden Pole Bracket is for use in supporting DP and TW insulators.



B WOODEN POLE BRACKET



C WOODEN POLE BRACKET

2.03 Both types of brackets are generally attached to poles by means of a 60d nail in the upper hole and a 30d nail in the lower hole. Where poles are less than 7 inches in diameter (22-inch circumference) at the point of attachment, use a 50d nail instead of a 60d nail in the upper hole.

3. BRACKET STRAPS

3.01 Bracket straps are used to reinforce brackets subjected to extreme loads resulting from dead-ends, corners, changes of grade, etc.

3.02 When a bracket must be attached to a pole which is checked or split at the desired point of attachment, bracket straps may be used with the bracket to provide additional holding power.

3.03 Four sizes are available for use as follows:

BU for reinforcing the Type B bracket at the upper nail hole,

BL for reinforcing the Type B bracket at the lower nail hole,

CU for reinforcing the Type C bracket at the upper nail hole and

CL for reinforcing the Type C bracket at the lower nail hole.

3.04 Bracket straps should be positioned to obtain a snug fit between the pole, bracket and strap. Fasten the straps to any size pole with 1/4-inch x 2-1/2-inch drive screws. On poles having a 6-inch diameter (19-inch circumference) or greater at the point of attachment, the straps may be secured with 30d nails.