BELL SYSTEM PRACTICES
Outside Plant Construction and Maintenance

SECTION G22.120.2
Issue 1, March, 1953
AT&T Co Standard

EQUIPPING CROSSARMS
WIRES NOT POINT TRANSPOSED

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1. GENERAL

1.01 This section covers equipping crossarms which will carry wires that are not transposed on point or tandem transposition brackets.

1.02 When drop type or phantom brackets must be placed at poles which are double armed, place brackets on both crossarms.

1.03 Equip drop type or phantom transposition brackets with steel pins as indicated in the following:

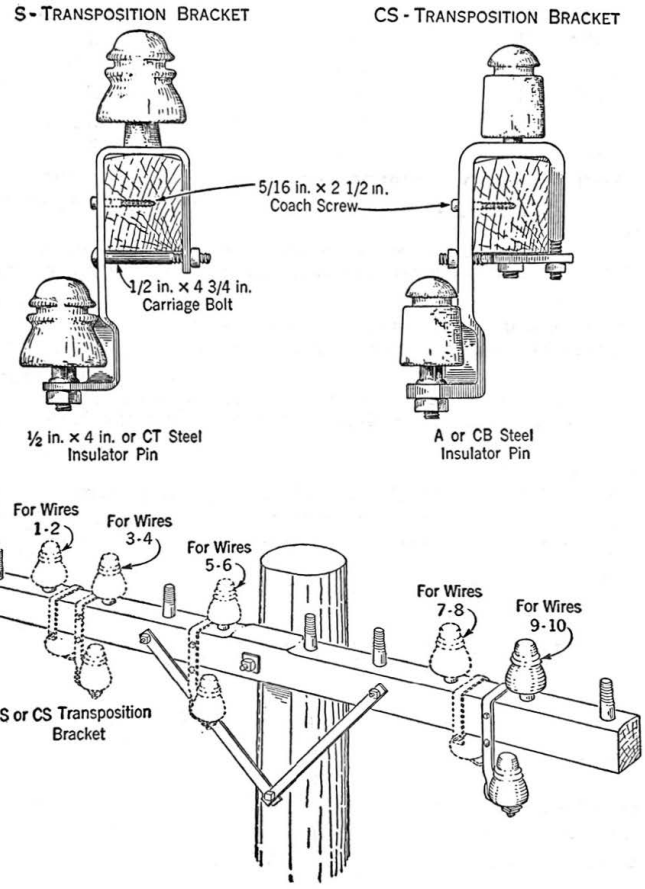
Type of Transposition Bracket	Type of Steel Pin	
	CS Insulators	Other Insulators
S	CT	1/2" x 4"
CS	CB	A
P	CT	1/2" x 4"
CP	CB	A
T	—	1/2" x 4"

2. TYPES OF BRACKETS

2.01 For single pair transpositions use:

(a) S Transposition Bracket for transposing a pair of wires when the corner pull does not exceed 10 feet.

(b) CS Transposition Bracket for transposing a pair of wires when the corner pull exceeds 10 feet.

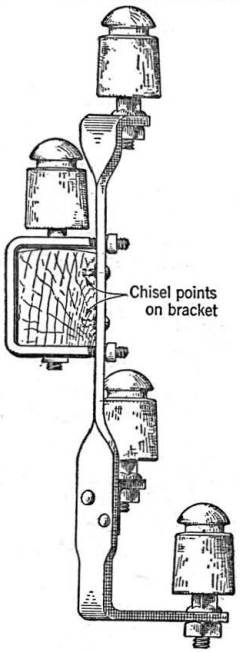


2.02 For phantom transpositions use:

(a) P Transposition Bracket for phantom transpositions on separate insulators when the corner pull does not exceed 10 feet.

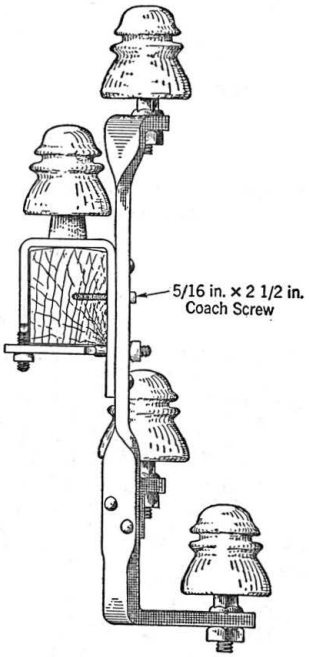
(b) CP Transposition Bracket for phantom transpositions on separate insulators when the corner pull exceeds 10 feet.

P - TRANSPOSITION BRACKET

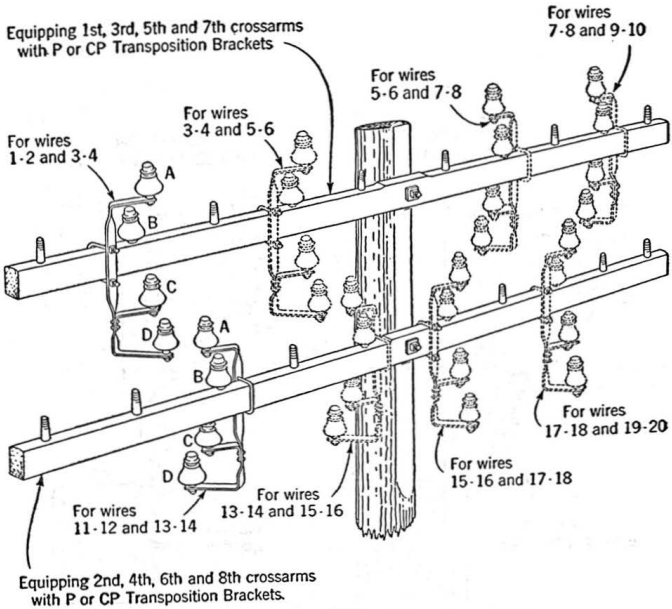


½ in. × 4 in. or CT Steel
Insulator Pin

CP - TRANSPOSITION BRACKET

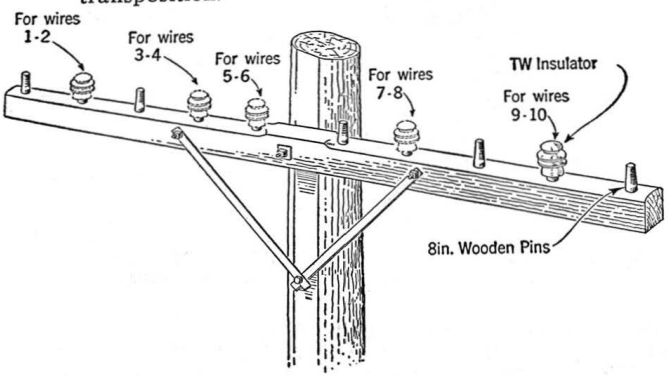


A or CB Steel
Insulator Pin



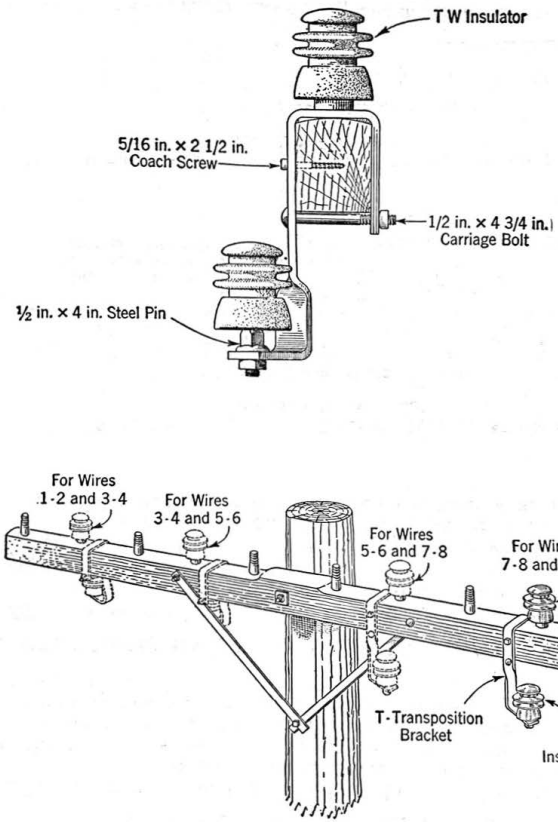
2.03 For transpositions on TW Insulators use:

(a) TW Insulator on 8-inch wooden pin for a single pair transposition.



(b) T Transposition Bracket mounted below an 8-inch wooden pin for phantom transposition.

T-TRANSPOSITION BRACKET



Note: Use CP Transposition Bracket equipped with single groove insulators instead of T Transposition Bracket at corners when the pull exceeds 10 feet.

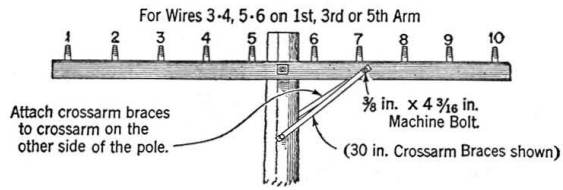
2.04 Transposition brackets may be placed on the opposite side of the arm from that shown in the preceding paragraphs at grades and corners if the wire would otherwise be in contact with the brackets or arms. This may also be done to avoid relocating braces in connection with retransposing existing wire.

3. CROSSARM BRACE REARRANGEMENT

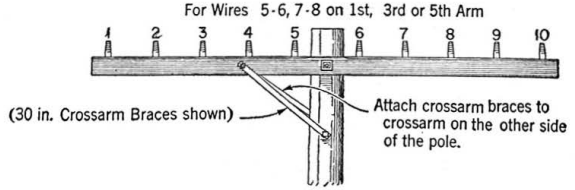
3.01 Crossarm braces shall be rearranged as shown in the following sketch to avoid contact with the wires on phantom transposition brackets.

(a) When a P or CP Transposition Bracket is placed at pin 4 or pin 7 on the first, third or fifth crossarm, it will be necessary to rearrange the braces as illustrated.

P OR CP TRANSPOSITION BRACKET LOCATED AT PIN 4
1ST, 3RD OR 5TH ARM

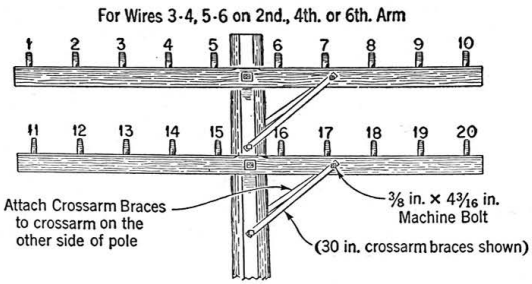


P OR CP TRANSPOSITION BRACKET LOCATED AT PIN 7
1ST, 3RD OR 5TH ARM



(b) When a P or CP Transposition Bracket is placed at pin 5 or pin 6 on the second, fourth or sixth crossarm, it will be necessary to rearrange the braces as illustrated.

P OR CP TRANSPOSITION BRACKET LOCATED AT PIN 5 2ND, 4TH OR 6TH ARM



P OR CP TRANSPOSITION BRACKET LOCATED AT PIN 6 2ND, 4TH OR 6TH ARM