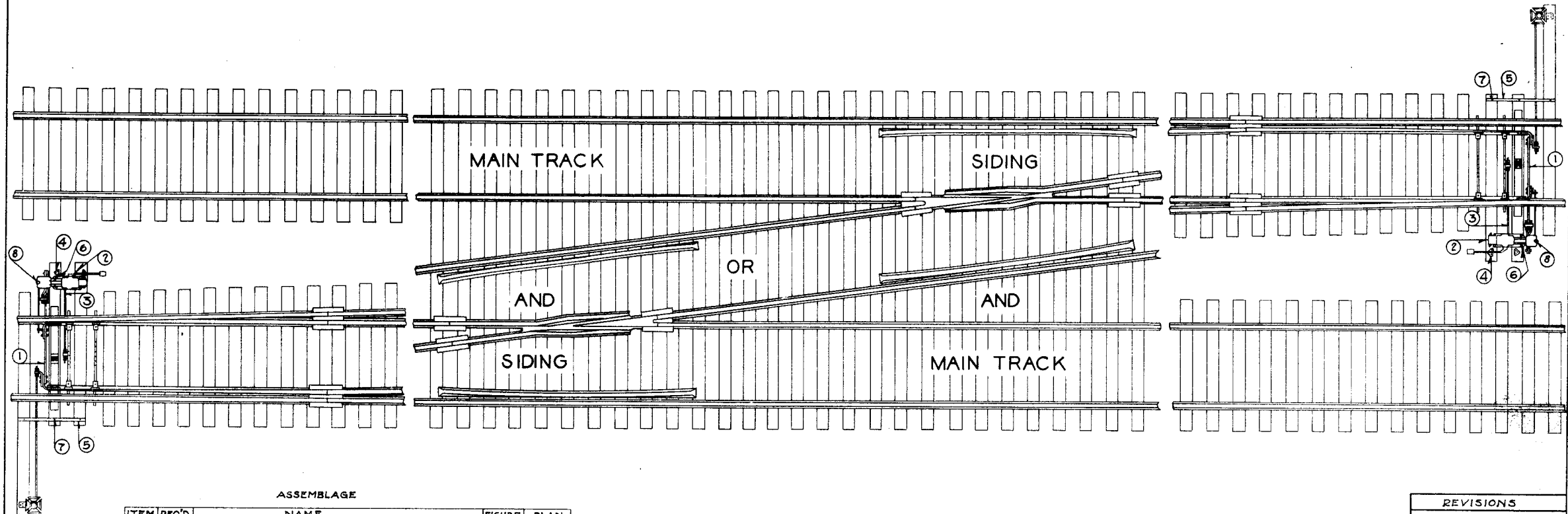




ASSEMBLAGE

| ITEM | REQ'D | NAME                                                 | FIGURE | PLAN  |
|------|-------|------------------------------------------------------|--------|-------|
| 1    | 2     | FRONT AND LOCK RODS                                  | 30516  | S-305 |
| 2    | 2     | SWITCH MECHANISMS                                    |        | 73905 |
| 3    | 2     | OPERATING RODS                                       | 33114  | S-331 |
| 4    | 4     | LEVER STANDS                                         | 176886 | 73905 |
| 5    | 2     | TIE STRAPS                                           | 2002   | S-200 |
| 6    | 8     | 3/4x8-3/4" SQ. H. BOLTS WITH HEX. NUTS & PL. WASHERS |        |       |
| 7    | 6     | 3/4"x4 1/2" GAL. IRON SCREWS                         |        |       |
| 8    | 2     | CIRCUIT CONTROLLER WITH POINT DETECTOR AND ROD.      |        | 73905 |
|      |       |                                                      |        |       |
|      |       |                                                      |        |       |

## NOTE:-

1. FOR BONDING AND INSULATION SEE PLAN S-803.
2. IF LOCAL CONDITIONS WILL NOT PERMIT A SWITCH STAND BEING INSTALLED WITH THROWING ROD IN TENSION WHEN SWITCH POINTS ARE SET NORMAL FOR MAIN TRACK TRAFFIC, AND EITHER SWITCH OF THE CROSSOVER MIGHT BE OPERATED IN ERROR FOR ANOTHER SWITCH WITHIN 200 FT., ARRANGEMENT SHOWN ON PLAN S-228 OR S-229 NOTE 4-(b) SHALL BE INSTALLED.

## REVISIONS

REDRAWN FROM APPROVED PLAN  
S-231-A, DATED DEC. 10, 1923  
AND REVISED.

C. DECEMBER 30, 1936.

APPROVED: *Chas. E. Hines*

1 SHEET

S-231-C



THE PENNSYLVANIA RAILROAD  
STANDARD  
ARRANGEMENT FOR LOCKING  
NON-INTERLOCKED CROSSOVER  
PROTECTED BY SIGNAL

OFFICE OF CHIEF SIGNAL ENGINEER PHILA., PA., NOV. 20, 1936

Approved: *Chas. E. Hines* Chief Signal Engineer  
Approved: *Wm. L. Hines* Engineer of Standards  
Approved: *Wm. L. Hines* Chief Engineer