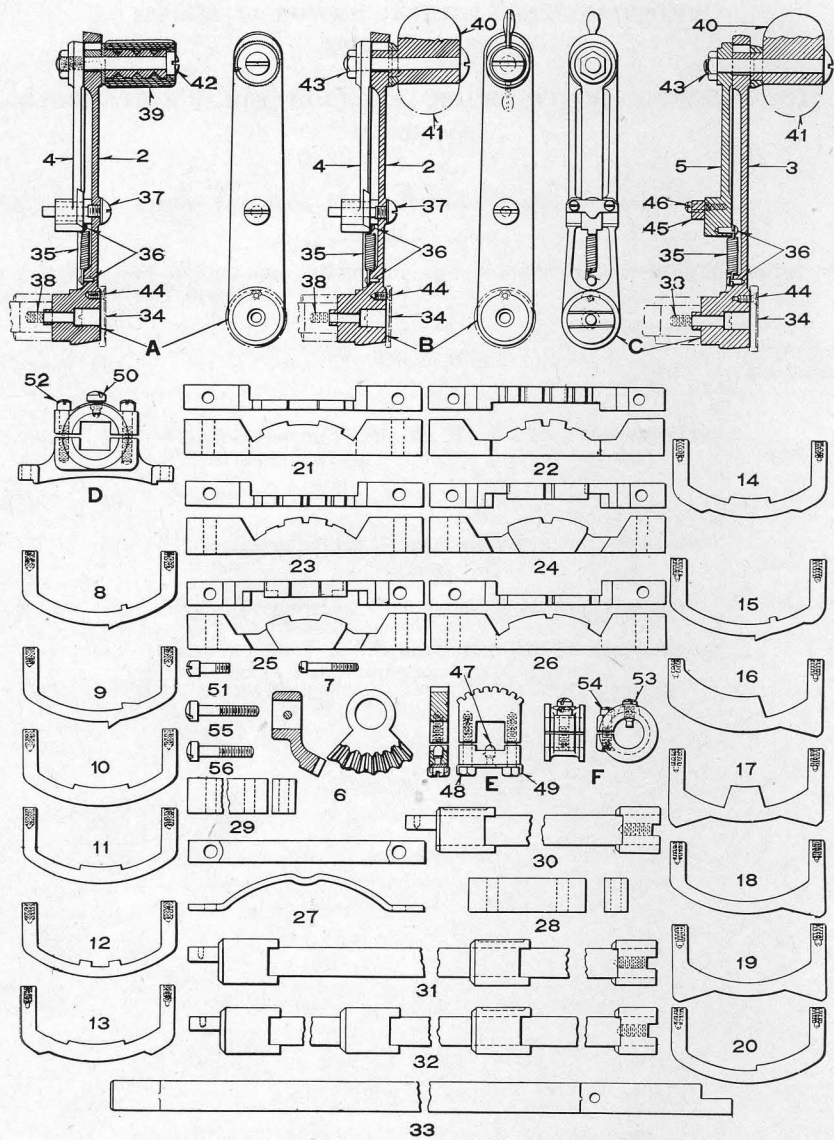


UNION SWITCH & SIGNAL CO.



LEVERS, SEGMENTS, QUADRANTS, AND SHAFTS

## UNION SWITCH &amp; SIGNAL CO.

MODEL 14 POWER INTERLOCKING MACHINE  
DETAIL PARTS

## LEVERS, SEGMENTS, QUADRANTS, AND SHAFTS

## Order by Plate, Piece, Reference and Description

Drawing references are shown for convenience in checking material with shipping lists and invoices.

| Piece  | Ref. | Description                                                                                                                                             | Drawing Reference |
|--------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
|        | A    | Long Lever for Switch or Signals, complete. Specify Lever number required. (Used on Machines furnished up to Dec. 6th, 1915) .....                      | 11075-1           |
|        | Aa   | Short Lever for Switch or Signal, complete. Specify Lever number required. (Used on Machines furnished up to Dec. 6th, 1915) .....                      | 11075-1           |
| 70200  | B    | Long Lever for Switch or Signal, complete. Specify Lever number required. (Used on Machines furnished between Dec. 6th, 1915 and July 1st, 1923) .....  | 11075-3           |
| 70201  | Ba   | Short Lever for Switch or Signal, complete. Specify Lever number required. (Used on Machines furnished between Dec. 6th, 1915 and July 1st, 1923) ..... | 11075-3           |
| 118020 | C    | Long Lever for Switch or Signal complete. Specify Lever number required. (Used on Machines since July 1st, 1923, .....                                  | 11075-6           |
| 118021 | Ca   | Short Lever for Switch or Signal, complete. Specify Lever number required. (Used on Machines since July 1st, 1923) .....                                | 11075-7           |
| 70298  | D    | Clamp with Bushing and Screws complete as shown ...                                                                                                     | C-5860-31         |
|        | Da   | Clamp with Segment Ref.—, complete. Specify with Segment is required referring to Ref. 8 to 20 .....                                                    | C-5860-31         |
| 69260  | E    | Locking Bar Driver, complete .....                                                                                                                      | C-5860-19         |
| 127726 | F    | Horiz. Shaft Coupling, complete .....                                                                                                                   | C-5860-43         |
| 61724  | 2    | Long Lever only, for A and B .....                                                                                                                      | 11077-1           |
| 61725  | 2a   | Short Lever only, for Aa and Ba .....                                                                                                                   | 11077-2           |
| 118022 | 3    | Long Lever only, for C .....                                                                                                                            | 11077-23          |
| 118023 | 3a   | Short Lever only, for Ca .....                                                                                                                          | 11077-24          |

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MODEL 14 POWER INTERLOCKING MACHINE  
DETAIL PARTS

LEVERS, SEGMENTS, QUADRANTS, AND SHAFTS  
(Continued)

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| Piece  | Ref. | Description                                                                                                                                               | Drawing Reference |
|--------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| 61726  | 4    | Long Latch only, for A and B. ....                                                                                                                        | 11077-3           |
| 61727  | 4a   | Short Latch only, for Aa and Ba. ....                                                                                                                     | 11077-4           |
| 118024 | 5    | Long Latch only, for C. ....                                                                                                                              | 11077-25          |
| 118025 | 5a   | Short Latch only, for Ca. ....                                                                                                                            | 11077-26          |
| 75523  | 6    | Horizontal Gear Segments only. ....                                                                                                                       | 8424-169          |
| 5941   | 7    | Screw for attaching 6 to shaft. ....                                                                                                                      | 8098-133          |
| 54394  | 8    | Segment only, for Switch Lever, used in connection with Indication Magnet with Electric Detector Circuit without the use of a separate Detector Magnet. . | 8316-61           |
| 55640  | 9    | Segment only, for Switch Lever, used in connection with Indication Magnet without Electric Detector Circuit or when separate Detector Magnet is used. . . | 8316-69           |
| 55641  | 10   | Segment only, for Switch Lever, used in connection with separate Detector Magnet. ....                                                                    | 8316-70           |
| 55639  | 11   | Segment only, for Signal Lever when no Latch Circuit Controller is used. ....                                                                             | 8316-68           |
| 54395  | 12   | Segment only, for Signal Lever when Latch Circuit Controller is used. ....                                                                                | 8316-62           |
| 57110  | 13   | Latch Depressor Segment only, for separate Detector Lock. ....                                                                                            | 8316-73           |
| 118281 | 14   | Latch Depressor Segment only, for Signal Lever or separate Detector Lock on Switch Lever. ....                                                            | 8316-138          |
| 120032 | 15   | Latch Depressor Segment only, for Switch Lever with Electric Detector Circuit but without separate Detector Magnet. ....                                  | 8316-142          |

UNION SWITCH & SIGNAL CO.

MODEL 14 POWER INTERLOCKING MACHINE  
DETAIL PARTS

LEVERS, SEGMENTS, QUADRANTS, AND SHAFTS  
(Continued)

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| Piece  | Ref. | Description                                                                                                                       | Drawing Reference |
|--------|------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------|
| 59307  | 16   | *Segment only, used in connection with Mercury actuated Time Release with Locking (R. H. or L. H.) . .                            | 8316-78           |
| 59309  | 17   | *Segment only, used in connection with Mercury actuated Time Release with Locking (R. H. and L. H.)                               | 8316-77           |
| 59308  | 18   | *Segment only, used in connection with Mercury Actuated Time Release with contact but without Locking (R. H. or L. H.) . . . . .  | 8316-79           |
| 61663  | 19   | *Segment only, used in connection with Mercury Actuated Time Release with contact but without Locking (R. H. and L. H.) . . . . . | 8316-92           |
|        |      | NOTE *Segments operating R. H. & L. H. cannot be applied on adjacent levers with Magnets, opposite each other.                    |                   |
| 59621  | 20   | Traffic Lever Segment only . . . . .                                                                                              | 8316-80           |
| 53885  | 21   | Quadrant only, for Switch lever used with Levers A, Aa, B, and Ba . . . . .                                                       | 8349-56           |
| 118028 | 22   | Quadrant only, for Signal Lever, used with Levers C and Ca . . . . .                                                              | 8349-90           |
| 54415  | 23   | Quadrant only, for Signal Lever, used with Levers A, Aa, B and Ba . . . . .                                                       | 8349-57           |
| 123005 | 24   | Quadrant only, for Traffic Lever for use with Levers C and Ca . . . . .                                                           | 8349-91           |
| 118027 | 25   | Quadrant only, for Switch Lever for use with Levers C and Ca. (Special) . . . . .                                                 | 8349-89           |
| 59649  | 26   | Quadrant only, for Traffic Lever for use with Levers A, Aa, B and Ba . . . . .                                                    | 8349-65           |
| 118029 | 27   | Latch Depressor only, for Levers C and Ca . . . . .                                                                               | C-8617-21         |



## UNION SWITCH &amp; SIGNAL CO.

## MODEL 14 POWER INTERLOCKING MACHINE

## DETAIL PARTS

## LEVERS, SEGMENTS, QUADRANTS, AND SHAFTS

(Continued)

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| Piece | Ref. | Description                                                                        | Drawing Reference |
|-------|------|------------------------------------------------------------------------------------|-------------------|
| 53790 | 27a  | Latch Depressor only, for Levers A, Aa, B and Ba . . .                             | C-8617-1          |
| 54416 | 28   | Filler Block only, used between end Quadrant and end of Machine . . . . .          | C-8617-9          |
| 63487 | 29   | Filler Block only, used on all Lever Spaces where Quadrants are not used . . . . . | C-8617-9          |
|       | 30   | Front Shaft, complete, for Machine having one 12-way Locking Bracket . . . . .     | C-5984-5          |
| 69233 | 30a  | Front Shaft, complete, for Machine having one 15-way Locking Bracket . . . . .     | C-5984-1          |
| 71270 | 30b  | Front Shaft, complete, for Machine having one 18-way Locking Bracket . . . . .     | C-5984-2          |
| 72124 | 31   | Front Shaft, complete, for Machine having two 12-way Locking Brackets . . . . .    | C-5984-1          |
| 74478 | 31a  | Front Shaft, complete, for Machine having two 15-way Locking Brackets . . . . .    | C-5984-1          |
| 70296 | 31b  | Front Shaft, complete, for Machine having two 18-way Locking Brackets . . . . .    | C-5984-1          |
| 69022 | 32   | Front Shaft, complete, for Machine having three 15-way Locking Brackets . . . . .  | C-5984-7          |
| 69185 | 32a  | Front Shaft, complete, for Machine having three 18-way Locking Brackets . . . . .  | C-5984-1          |
| 51116 | 33   | Rear Shaft, for long Back Plate . . . . .                                          | C-8189-7          |
| 61827 | 33a  | Rear Shaft, for Short Back Plate . . . . .                                         | C-8617-23         |
| 69125 | 34   | Number Plate, complete. Specify number required . . .                              | 8286-41           |
| 86157 | 34a  | Blank Number Plate, complete for spare space for front of Machine . . . . .        | A-2431-           |

UNION SWITCH & SIGNAL CO.

MODEL 14 POWER INTERLOCKING MACHINE  
DETAIL PARTS

LEVERS, SEGMENTS, QUADRANTS, AND SHAFTS  
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| Piece  | Ref. | Description                                                                                | Drawing Reference |
|--------|------|--------------------------------------------------------------------------------------------|-------------------|
| 55501  | 35   | Latch Spring.....                                                                          | 7770-331          |
| 54920  | 36   | Rivet for attaching Latch Spring to Levers and Latches                                     | 10301-1           |
| 61738  | 37   | Screw for A, Aa, B and Ba.....                                                             | 8098-998          |
| 5418   | 38   | Screw for attaching Levers to Shaft.....                                                   | B-8099-1          |
| 61793  | 39   | Handle for Levers A and Aa.....                                                            | 8311-55           |
| 74502  | 40   | Thumb Piece, complete for long Levers B and C.....                                         | 11077-6           |
| 74503  | 41   | Thumb Piece, complete for short Levers Ba and Ca....                                       | 11077-6           |
| 5102   | 42   | Screw with Hex. Nut for Handle 39.....                                                     | 8190-27           |
| 63375  | 43   | Screw with Hex Nut for Thumb Pieces 40 and 41....                                          | 8190-306          |
|        | 44   | Machine Screw No. 4-48 x $\frac{1}{4}$ " Flat Hd. Br. for attaching Number Plate to Lever. |                   |
| 118026 | 45   | Cap Bearing for Levers C and Ca.....                                                       | 11077-27          |
| 118030 | 46   | Screw for attaching 45 to Levers C and Ca.....                                             | 8098-1286         |
| 20370  | 47   | Pin for Driver E.....                                                                      | 8097-142          |
| 19546  | 48   | Screw for Driver E.....                                                                    | 8098-287          |
| 19545  | 49   | Lock Washer for Driver E.....                                                              | B-8486-3          |
| 38740  | 50   | Pivot Screw for Clamp "D".....                                                             | 8098-740          |
| 39106  | 51   | Screw for attaching Segment to Segment Clamp "D".                                          | 8098-741          |
| 39107  | 52   | Screw for Clamp "D".....                                                                   | 8098-741          |
| 3290   | 53   | Pivot Screws for "F".....                                                                  | B-8378-1          |

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| Piece | Ref. | Description                                                                                                                    | Drawing Reference |
|-------|------|--------------------------------------------------------------------------------------------------------------------------------|-------------------|
|       | 54   | Machine Screw No. 10-30 x $\frac{3}{4}$ " Fil. Hd. S. for "F".                                                                 |                   |
|       | 55   | Machine Screw No. 12-28 x $1\frac{1}{4}$ " Fil. Hd. S. for fastening Switch Lever quadrant and Latch Depressor to Front Plate. |                   |
|       | 56   | Machine Screw No. 12-28 x $1\frac{1}{4}$ " Fil. Hd. S. Machine for fastening Signal Lever Quadrant to Front Plate.             |                   |