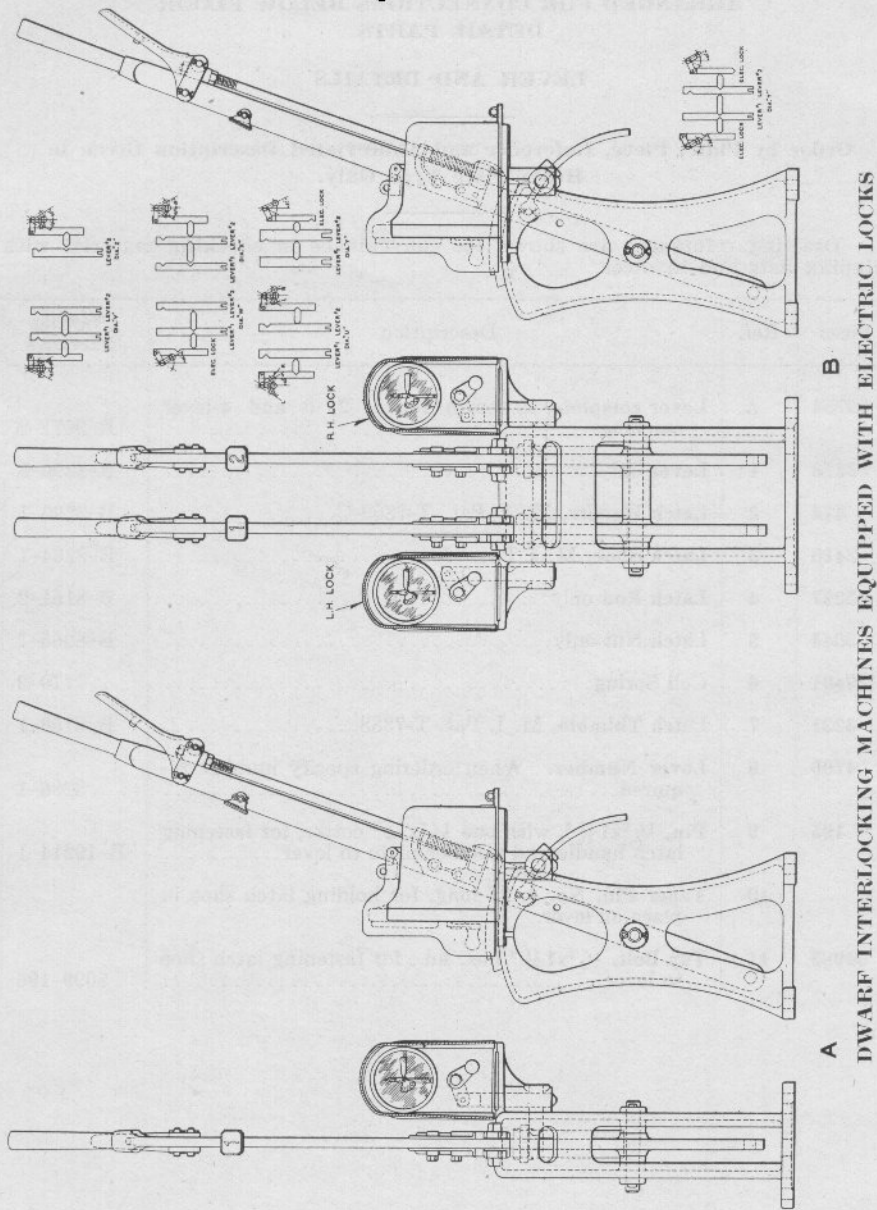


UNION SWITCH & SIGNAL COMPANY

Zachary C. Gillihan 2008



UNION SWITCH & SIGNAL COMPANY

**THE DWARF INTERLOCKING MACHINE
EQUIPPED WITH ELECTRIC LOCKS**

The machines illustrated are especially adapted for the manual operation of switches leading onto the main line where it is desired to control them from an interlocking tower, telegraph office or other point from which the switches are too far distant to be operated by mechanical connections. By the use of the electric lock the tower or station operator can permit or prevent the operation of the switches so controlled and can also indicate by the position of the miniature semaphore whether conditions will permit of the switch or switches being operated.

A similar lock and indicator may be placed at the point from which the switch is to be controlled for the purpose of indicating its position, and if located in an interlocking tower can be used to prevent the clearing of signals governing main line train movements over the switch when the latter is set for the siding.

On Ref. A, unless otherwise specified all orders will be filled with Indicators arranged to lock the mechanical lever normal with the lock de-energized, and the indicator blade in the danger position and the tappet on the mechanical lever notched accordingly.

**Order by Plate, Piece, Reference and Abbreviated Description Given in
Heavy Face Type Only.**

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

Piece	Ref.	Description	Drawing Reference
	A	1-Lever Dwarf Interlocking Machine, complete with 60° L. Q. Semaphore Indicator and Electric Lock as shown (Specify resistance of magnets).....	C-4950-17
119040	Aa	1-Lever Dwarf Interlocking Machine, complete (Without Indicator or Electric Lock).....	C-4950-17
147524	B	2-Lever Dwarf Interlocking Machine, complete with two 60° Lower Quadrant Semaphore Indicators and Electric Locks, Magnets 100-ohms per pair, with Locking as per diagram "T" (Lever No. 1 Locks Lever No. 2 Reversed).....	C-4950-13
97459	B1	2-Lever Dwarf Interlocking Machine, complete with one 90° upper Quadrant Semaphore Indicator and Electric Lock, Magnets 50 ohms per pair with Locking as per diagram "Y" (Electric Lock mounted on R. H. side) Lever No. 1 Reversed Locks Lever No. 2 Reversed.....	C-4950-13
112131	B2	2-Lever Dwarf Interlocking Machine, complete with one 90° upper Quadrant Semaphore Indicator and Electric Lock, Magnets 300-ohms per pair with Locking per diagram "X" (Electric Lock mounted on R. H. Side) Lever No. 2 Reversed Locks Lever No. 1 Normal and Reversed.....	C-4950-13

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THE DWARF INTERLOCKING MACHINE
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(Continued)

Order by Plate, Piece, Reference and Abbreviated Description Given in
Heavy Face Type Only.

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shipping lists and invoices.

Piece	Ref.	Description	Drawing Reference
123698	B3	2-Lever Dwarf Interlocking Machine, complete with one 90° upper Quadrant Semaphore Indicator and Electric Lock, Magnets 50-ohms per pair with Locking as per diagram "W", Locking Plunger unnotched (Electric Lock mounted on L. H. Side) Lever No. 1 Reversed Locks Lever No. 2 Reversed	C-4950-13
125484	B4	2-Lever Dwarf Interlocking Machine, complete with one 90° upper Quadrant Semaphore Indicator and Electric Lock, Magnets 35-ohms per pair with Locking as per diagram "Z" (Electric Lock mounted on R. H. Side) Electric Lock Lever when in Right or Left Position Locks Lever No. 2 in Normal or Reverse Position.....	C-4950-13
	Ba	2-Lever Dwarf Interlocking Machine, complete (Without Indicators and Electric Locks).....	C-4950-13