

(No Model.)

L. DEDEL.
SWITCH LOCK ATTACHMENT.

No. 525,678.

Patented Sept. 4, 1894.

FIG. 1.

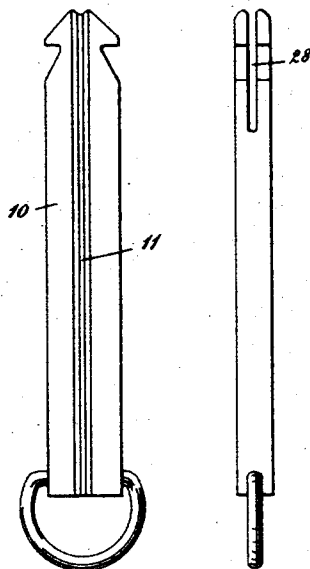


FIG. 2.

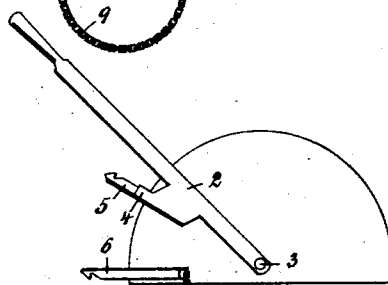
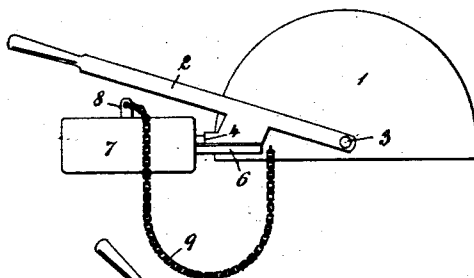


FIG. 3.

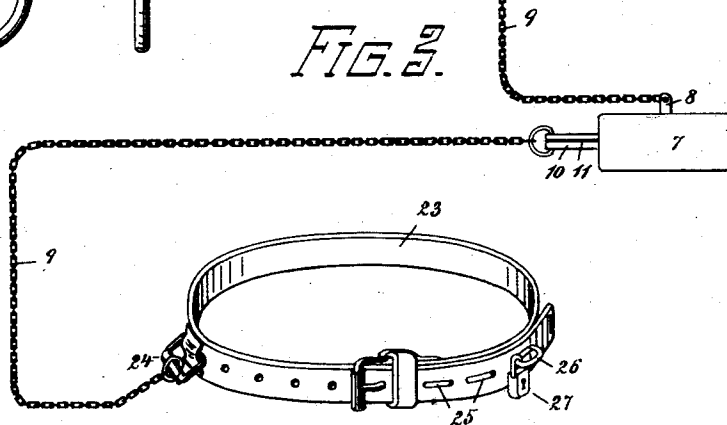


FIG. 4.

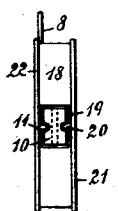
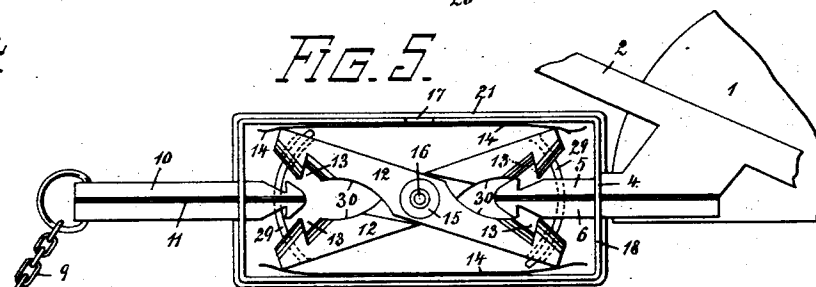


FIG. 5.



WITNESSES:

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SWITCH-LOCK ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 525,678, dated September 4, 1894.

Application filed May 19, 1894. Serial No. 511,816. (No model.)

To all whom it may concern:

Be it known that I, LOUIS DEDEL, residing in New Orleans, Louisiana, have invented a certain new and useful Improvement in Switch-Lock Attachments, of which the following is a specification.

This is an invention to be used on railroad switches for the purpose of preventing switchmen from leaving same open.

Briefly stated, it consists of a common leather belt which is to be worn by the switchman around his waist. The conductor or other officer of the railroad locking the belt on with an ordinary pad-lock and retaining the key. Chained to this belt in a way not to be detached is a key which opens the pad-lock on the switch. This lock on the switch is chained to the switch. The lock is so constructed that when open the key cannot be withdrawn. It is therefore necessary to lock the switch before the switchman (who has the key chained to him) can leave.

A fuller description of invention is hereto annexed as part hereof.

Figure 1 represents key to open switch lock. 10 is key. 11 grooves in key. 28 slit in key.

Fig. 2 represents a railroad switch closed and locked. 1 is iron switch plate. 2, iron lever on handle. 3, pivot on which lever 2 works. 4, iron shoulder attached to lever. 7, pad-lock to lock switch. 8, eyelet on pad-lock for chain. 9, chain attaching pad-lock to switch plate 1.

Fig. 3 represents switch open; pad-lock off; key inserted and belt attached to key. 1 is switch plate. 2, lever; 3, pivot; 4, shoulder; 5, upper half of catch, attached to lever 2; 6, lower half of catch attached to switch plate 1; 9, chain holding lock to switch plate; 7, lock; 10, key in lock; 11, grooves in key; 9,

chain attaching key 10 to belt 23; which belt is worn by switchman around waist; 24, ring to hold chain 9 to belt 23; 26, eyelet for pad-lock 27. 27, common pad-lock. 25, openings in belt for eyelet 26.

Fig. 4 represents end view of pad-lock. 18, body of lock, 10, 11, 19 and 20, opening in lock for key.

Fig. 5 represents pad-lock 7 in operation with cover removed. 21 is outside of lock. 17 sectional view of eyelet 8. 10 key in lock. 12, two operating catches or jaws in lock. 13, places in jaw 12 for keys to catch in. 14, two springs to cause jaws 12 to close. 16, opening for screw to fasten cover and also axis. 15, washers. 18, body of lock. 5, upper half of catch attached to lever 2. 6, lower half of catch attached to switch plate 1. 29, steel or metal blade or wire, one end of which is attached to jaw 12 and which works in groove or slit of key so as to prevent lock being opened with different kind of key. When key is inserted, it opens jaws and releases catches on the switch plate and lever. It will be observed that the keys and the two halves of catch 5 and 6 are exactly similar and form duplicate keys.

Having fully described my invention, what I claim, and desire to secure by Letters Patent, is—

A combination with a switch stand and lever, of a lock therefor, a key not removable from said lock when the switch is unlocked, a switchman's belt and a chain securing said key to said belt.

LOUIS DEDEL.

Witnesses:

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ABRAHAM GOLDBERG.