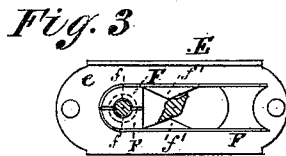
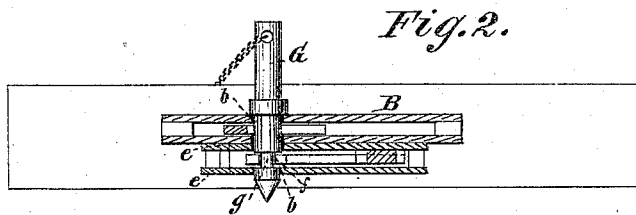
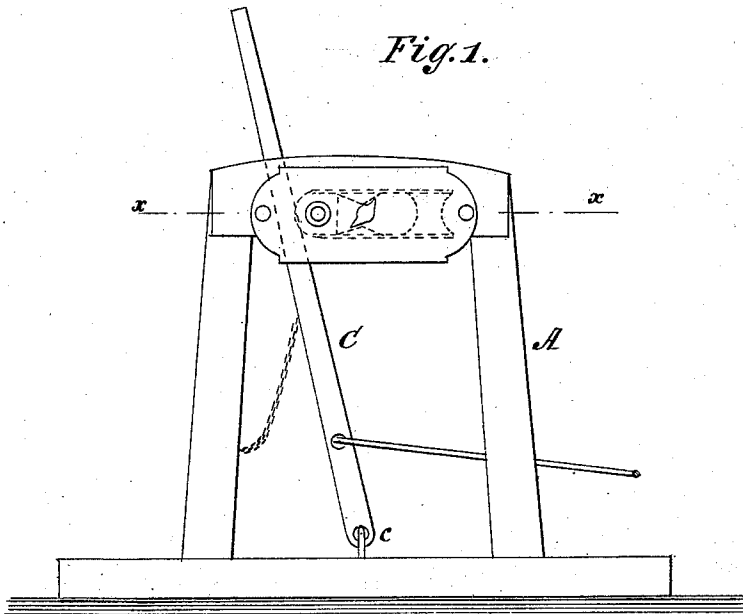


W. B. SLOAN & E. H. SWEETSER,

Improvement in Switch-Locks.

No. 131,310.

Patented Sep. 10, 1872.



Witnesses:

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# UNITED STATES PATENT OFFICE.

WILLIAM B. SLOAN AND EDWARD H. SWEETSER, OF HAMBURG, IOWA.

## IMPROVEMENT IN SWITCH-LOCKS.

Specification forming part of Letters Patent No. 131,310, dated September 10, 1872.

Specification describing a Railroad Switch-Fastening, invented by WILLIAM B. SLOAN and EDWARD H. SWEETSER, of Hamburg, in the county of Fremont and State of Iowa.

The invention consists in a railroad switch-fastening, constructed with spring-jaws, which clamp the annular recess of a bolt passed therethrough, and require to be separated by a key before the bolt can be removed.

Figure 1 is a side elevation of switch-stand; Fig. 2, a plan view thereof; and Fig. 3 is an inside view of the jaws of lock.

A in the drawing represents the frame which holds the slotted or hollow guide B. In this guide plays the switch-lever C, which is fulcrumed at *c*. E is the lock, that consists of two plates, *e e*, between which are the spring-jaws F F. These jaws have semicircular recesses *f f*, which clamp a bolt between them, and inclines *f'*, against which the key turns, in order to hold them apart. In line with recesses *f f* of the jaws is a hole, *b*, which extends through the side-plates *e e* and through the hollow guide B. In this hole is placed a bolt, G, having the annular recess *g*, in which the jaws F F become fastened.

The operation is as follows: The lever C being brought into position, so that the switch-rails joint with the track on which the next train is to pass, the bolt G is inserted between the spring-jaws and through the guide B. This locks the lever and the switch-rails and prevents any change until the switchman comes around with his key and unlocks them. It is obvious that this lock may be rigidly attached with equal effect to the lever or the stand, one being merely a reversal of the other.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

A railroad switch-lock, E, provided with a pair of spring-jaws, F F, fastened between plates *e e*, and a bolt, G, having a recess, *g*, the two adapted to be applied together in the manner described.

WILLIAM B. SLOAN.  
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