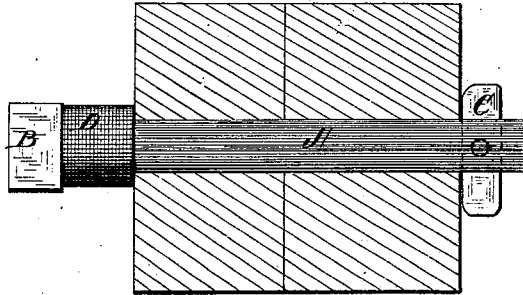


E. J. LOCKWOOD.  
Bolt-Lock.

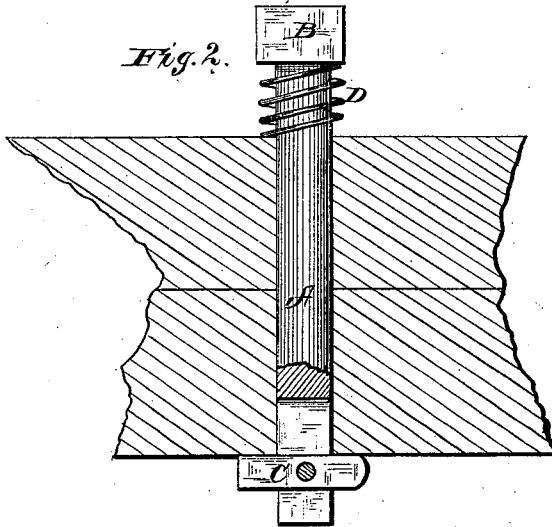
No. 196,914.

Patented Nov. 6, 1877.

*Fig. 1.*



*Fig. 2.*



WITNESSES  
*Francis L. Curand*  
*Frank Galt*

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*Maude Mason*  
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# UNITED STATES PATENT OFFICE.

EDWARD J. LOCKWOOD, OF DANBURY, OHIO.

## IMPROVEMENT IN BOLT-LOCKS.

Specification forming part of Letters Patent No. **196,914**, dated November 6, 1877; application filed October 2, 1877.

*To all whom it may concern:*

Be it known that I, EDWARD J. LOCKWOOD, of Danbury, in the county of Ottawa, and in the State of Ohio, have invented certain new and useful Improvements in Bolt-Locks; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

My invention relates to bolts or pins for coupling two pieces together; and it consists in combining with such bolt or pin a spring and a pivoted key, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 shows my invention with a rubber spring applied on the bolt. Fig. 2 shows the same with a spiral spring.

A represents an ordinary pin or bolt, with head B at one end. The other end of the pin or bolt A is slotted, and in said slot is pivoted a key, C, of such dimensions that when turned lengthwise in the slot it will not project beyond the sides of the pin, but when turned at right angles it will project a suitable distance on both sides thereof. A spring, D, either of rubber, as shown in Fig. 1, or a coil-spring,

as shown in Fig. 2, is placed on the pin or bolt A against the head B. The pin is then passed through the articles to be coupled together, and drawn through sufficiently far to allow of key C being turned at right angles, as shown. When the pin is thus pressed or drawn through, the spring D is, of course, compressed; but as soon as the key is turned the spring expands, and draws the key up against the article, thus preventing its turning. The pin or bolt thus becomes securely locked in place, while it can be easily removed when desired.

This invention is applicable for coupling plow-clevises, for shaft-couplings, or any other place where two or more pieces are to be united by a bolt or pin.

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

The headed bolt or pin A, slotted at its end, and provided with a spring, D, and with a key, C, pivoted in the slot, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 11th day of September, 1877.

EDWARD J. LOCKWOOD. [L. s.]

Witnesses:

S. C. WHEELER,  
C. C. BITTNER.