

(No Model.)

J. A. LOMBAS.
NUT LOCK.

No. 581,215.

Patented Apr. 20, 1897.

Fig. 1.

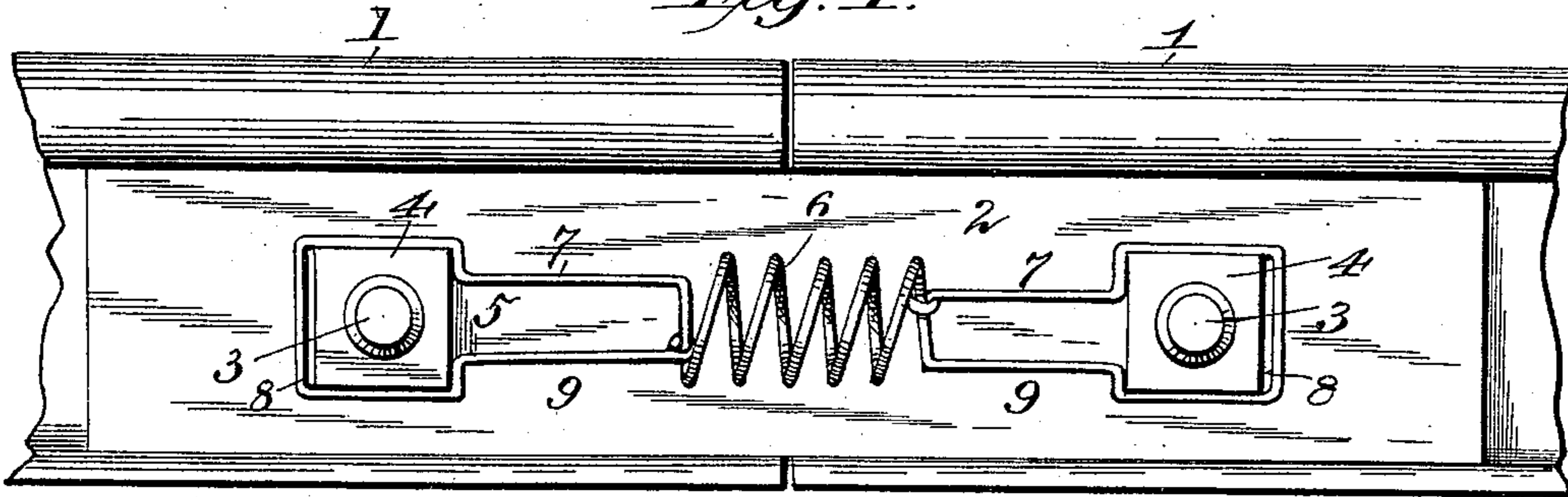


Fig. 2.

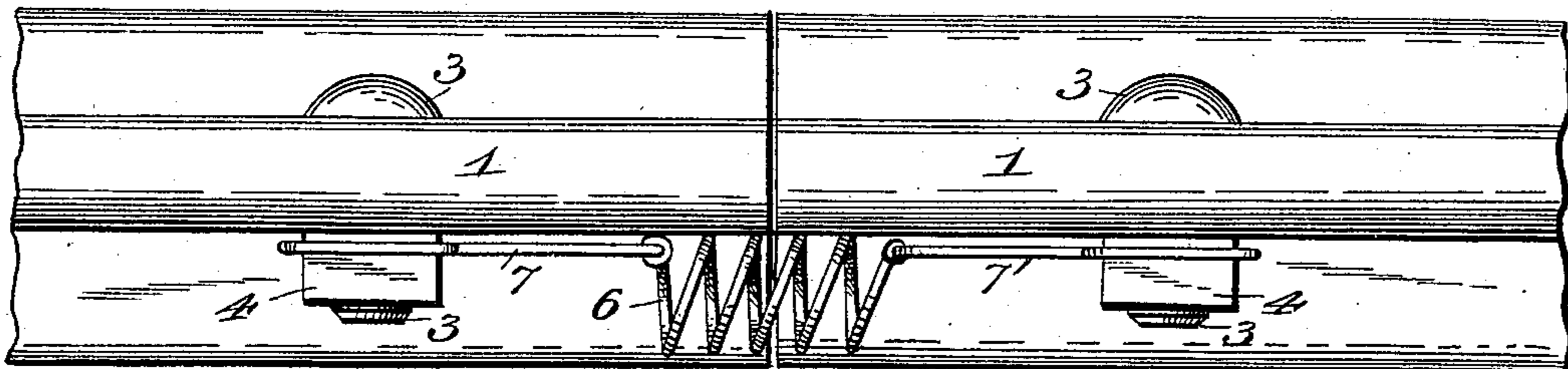


Fig. 3.

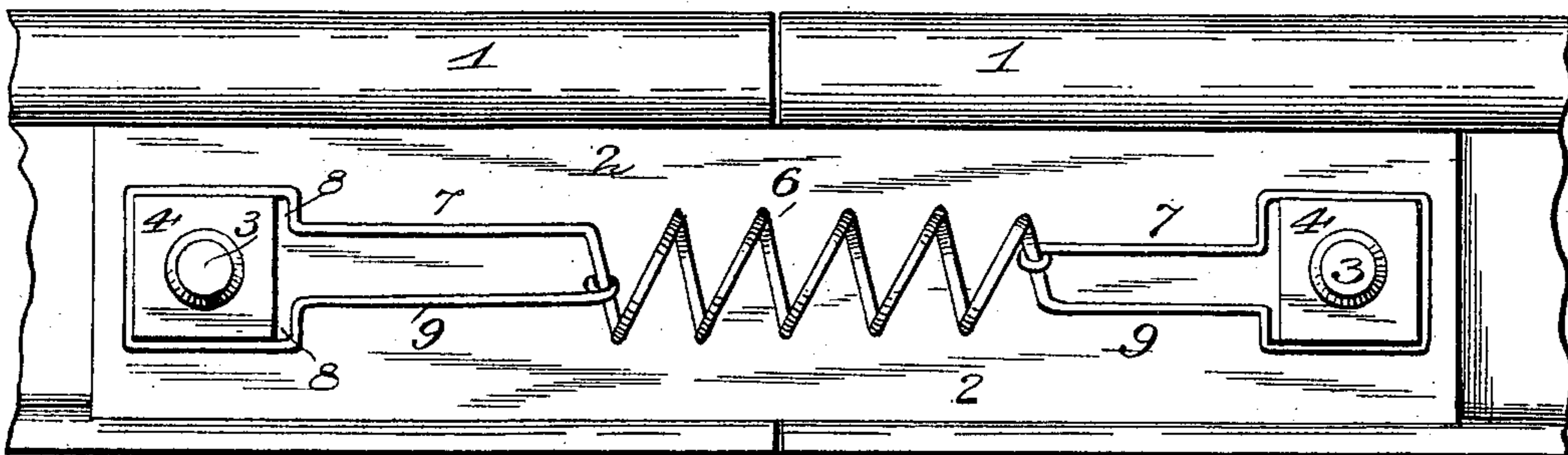
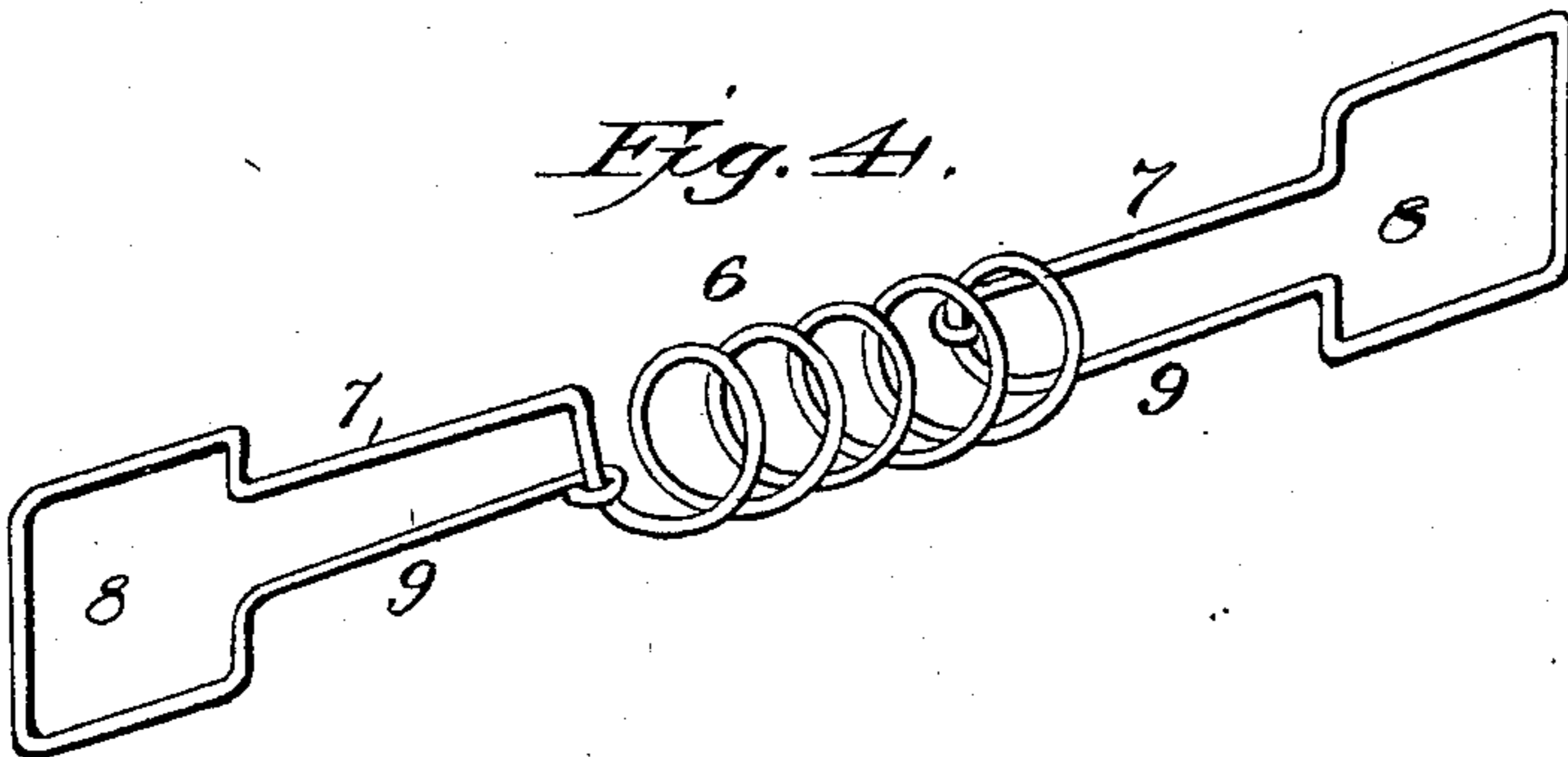


Fig. 4.



Witnesses:
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UNITED STATES PATENT OFFICE.

JOSEPH A. LOMBAS, OF LOCKPORT, LOUISIANA, ASSIGNOR OF ONE-HALF TO
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NUT-LOCK.

SPECIFICATION forming part of Letters Patent No. 581,215, dated April 20, 1897.

Application filed January 22, 1897. Serial No. 620,250. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH A. LOMBAS, a citizen of the United States, and a resident of Lockport, La Fourche parish, and State of Louisiana, have invented certain new and useful Improvements in Nut-Locks; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to improvements in nut-locks for holding in place and preventing backward turning of nuts used in connection with bolts which are subjected to jars or vibration.

The object of the invention is to provide an improved nut-lock which shall be simple and economical in construction and which will effectually hold the nuts in position.

The invention consists, essentially, in a nut-lock made from a single piece of wire formed with a number of spring-coils at the center and the ends extended outwardly in opposite directions, forming horizontal arms, which are then bent into rectangular form so as to engage with a nut, and then extended inwardly and the extremities bent around the ends of said central coil, as hereinafter fully described and claimed.

In the accompanying drawings, Figure 1 is a side elevation of two railroad-rails, a fish-plate, and two bolts and nuts to which my improved nut-lock is applied, the tendency of the spring-coils in this instance tending to push the pockets apart. Fig. 2 is a plan view of the same. Fig. 3 is an elevation similar to Fig. 1, the coils in this instance tending to pull the pockets together. Fig. 4 is a perspective view of the lock detached. (Shown in Fig. 1.)

In the said drawings the reference-numeral 1 designates two railroad-rails; 2, a fish-plate; 3, bolts passing through said rails and fish-plate, and 4 the securing-nuts on the ends of said bolts.

The numeral 5 designates the nut-lock, consisting of a single piece of spring-wire bent at the center into a number of spring-coils 6. The wire is then extended outwardly in opposite directions, forming horizontal arms 7, which are bent into rectangular form, forming pockets 8. The wire is then extended backwardly or inwardly, forming arms 9, and the extremities bent around the ends of the spring-coils 6.

In using the device the pockets are spread apart or contracted, as the case may be, according as to whether the tendency of the spring-coils is to pull the pockets toward each other or spread them apart, and the pockets are engaged with the nuts. By this means all liability of the nuts turning backward or working loose is obviated, and the tension of the spring-coils causing the pockets to be held tightly against the nuts there is no liability of the nut-lock working off.

Having thus fully described my invention, what I claim is—

As an improved article, a nut-lock consisting of a single piece of wire formed with central spring-coils and then extended outwardly in opposite directions and formed with rectangular pockets, and then extended inwardly or backwardly and the ends bent around the end of the spring-coils, substantially as described.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

JOSEPH A. LOMBAS.

Witnesses:

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