

(No Model.)

J. E. HINES.
NUT LOCK.

No. 577,751.

Patented Feb. 23, 1897.

Fig. I

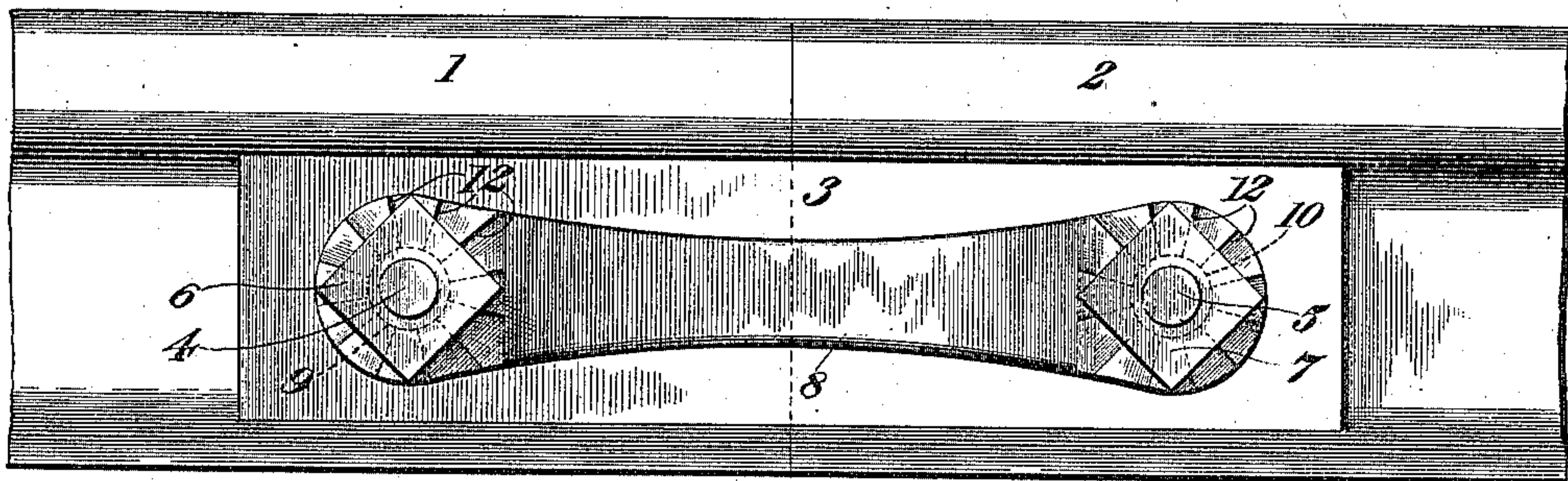


Fig. II.

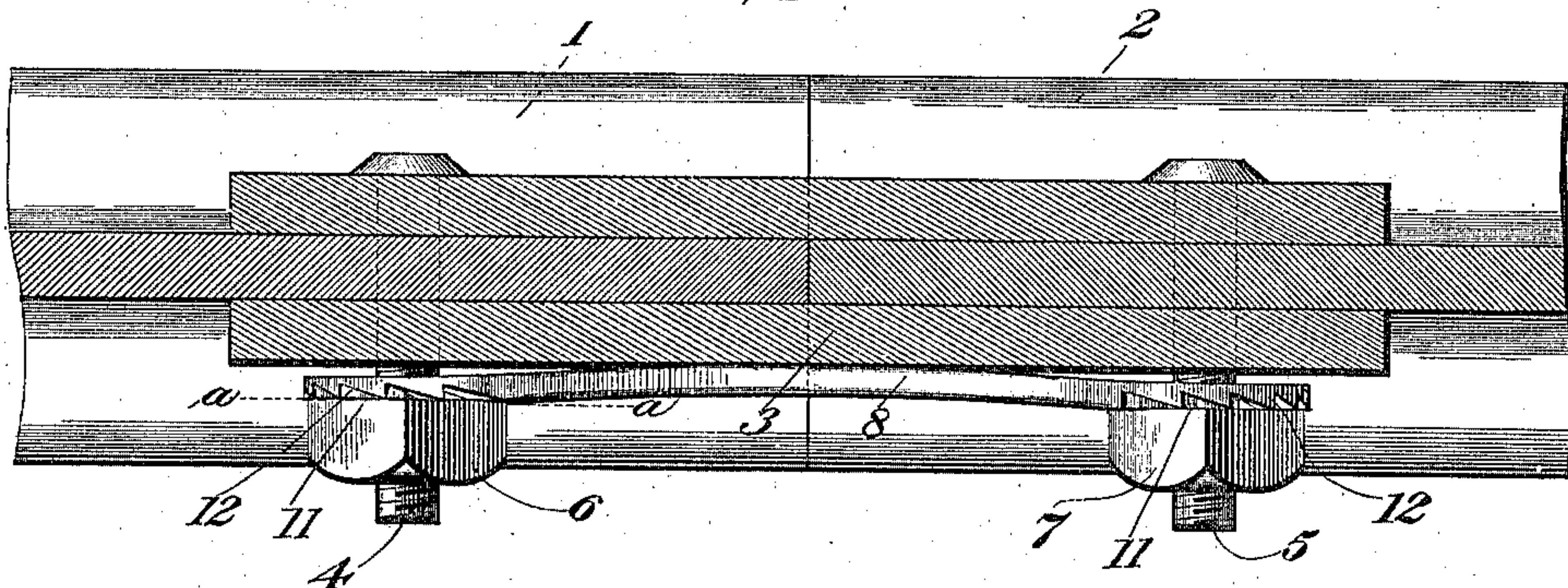


Fig. III.

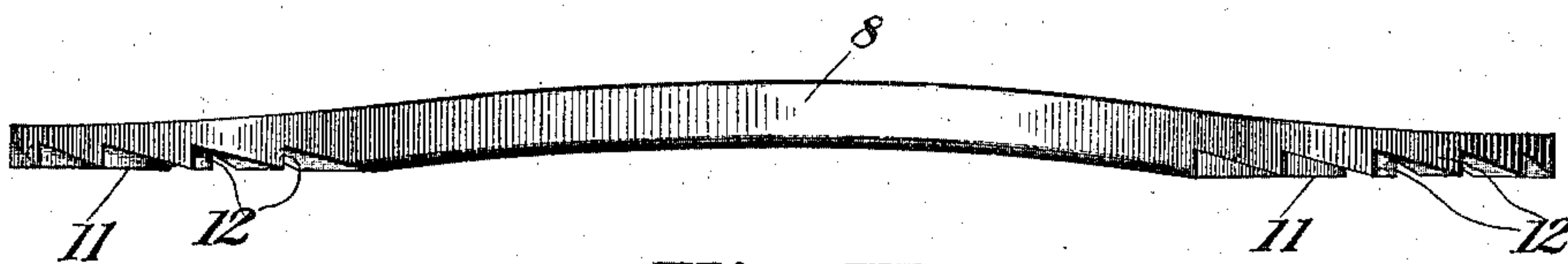
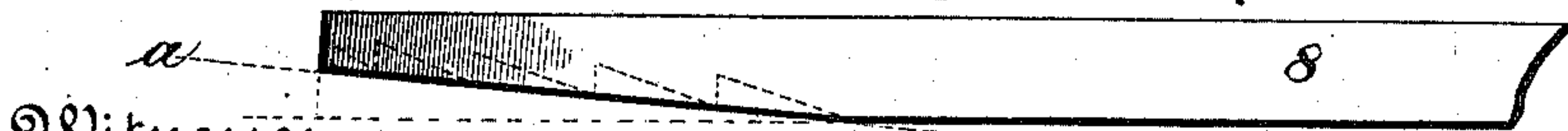


Fig. IV.



Witnesses

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NUT-LOCK.

SPECIFICATION forming part of Letters Patent No. 577,751, dated February 23, 1897.

Application filed June 1, 1896. Serial No. 593,857. (No model.)

To all whom it may concern:

Be it known that I, JAMES E. HINES, residing near Hinesville, county of Liberty, State of Georgia, have invented a certain new and useful Improved Nut-Lock, of which the following is a specification, reference being had to the accompanying drawings.

The object of my invention is to produce an improved spring-washer nut-lock of that class in which the nuts carried upon adjacent bolts are secured by a single washer, the particular features of which will appear from the subsequent specification and claim.

In the accompanying drawings, Figure I is a side elevation of abutting sections of rails combined with a fish-plate, bolts, nuts, and my locking device. Fig. II is a longitudinal section of the same, taken just above the nut-lock. Fig. III is a side elevation of my nut-lock detached. Fig. IV is a view of a portion of plate from which my lock is formed and before it is bent.

Referring to the figures on the drawings, 1 and 2 indicate, respectively, abutting sections of rails.

3 indicates a fish-plate, 4 and 5 bolts for securing the parts together in the usual manner, and 6 and 7 the nuts upon the respective rails.

8 indicates the body part of my nut-lock, which consists of a bowed spring-plate that is in practice designed to be placed with its

bowed metal part against the fish-plate or like support. Each end is provided with bolt-holes 9 and 10, respectively, which should be a little larger than the bolts which they are designed to receive in order to allow play of the spring. Each end is beveled, as indicated by the line *a* in Fig. II, so as to present a top surface 11 squarely against the bottom of the nut when it is turned down to meet the beveled face of the lock. Each face 11 is provided with a series of radial teeth 12, over which the nut turns readily in one direction, and which cut into the bottom of the nut to prevent its backward movement.

By the device above described the nut when screwed against the lock is at all times in engagement with the teeth and may be locked in any required position upon its bolt.

What I claim is—

A nut-lock consisting of a spring-plate bowed toward the fish-plate and having the faces of its apertured end sections inclined from the body portion and formed with teeth, whereby the ends will abut squarely against the bases of the superimposed nuts, substantially as set forth.

In testimony of all which I have hereunto subscribed my name.

JAMES E. HINES.

Witnesses:

JESSE BREWER,
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