

(No Model.)

O. STODDARD.
Lock Nut.

No. 236,644.

Patented Jan. 11, 1881.

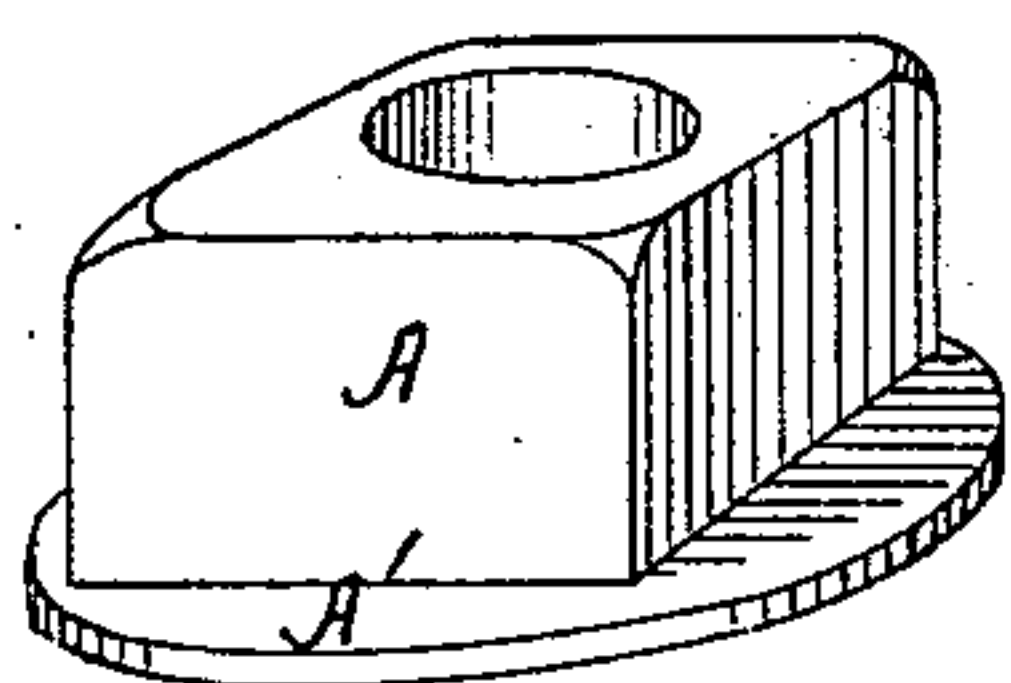


Fig. I.

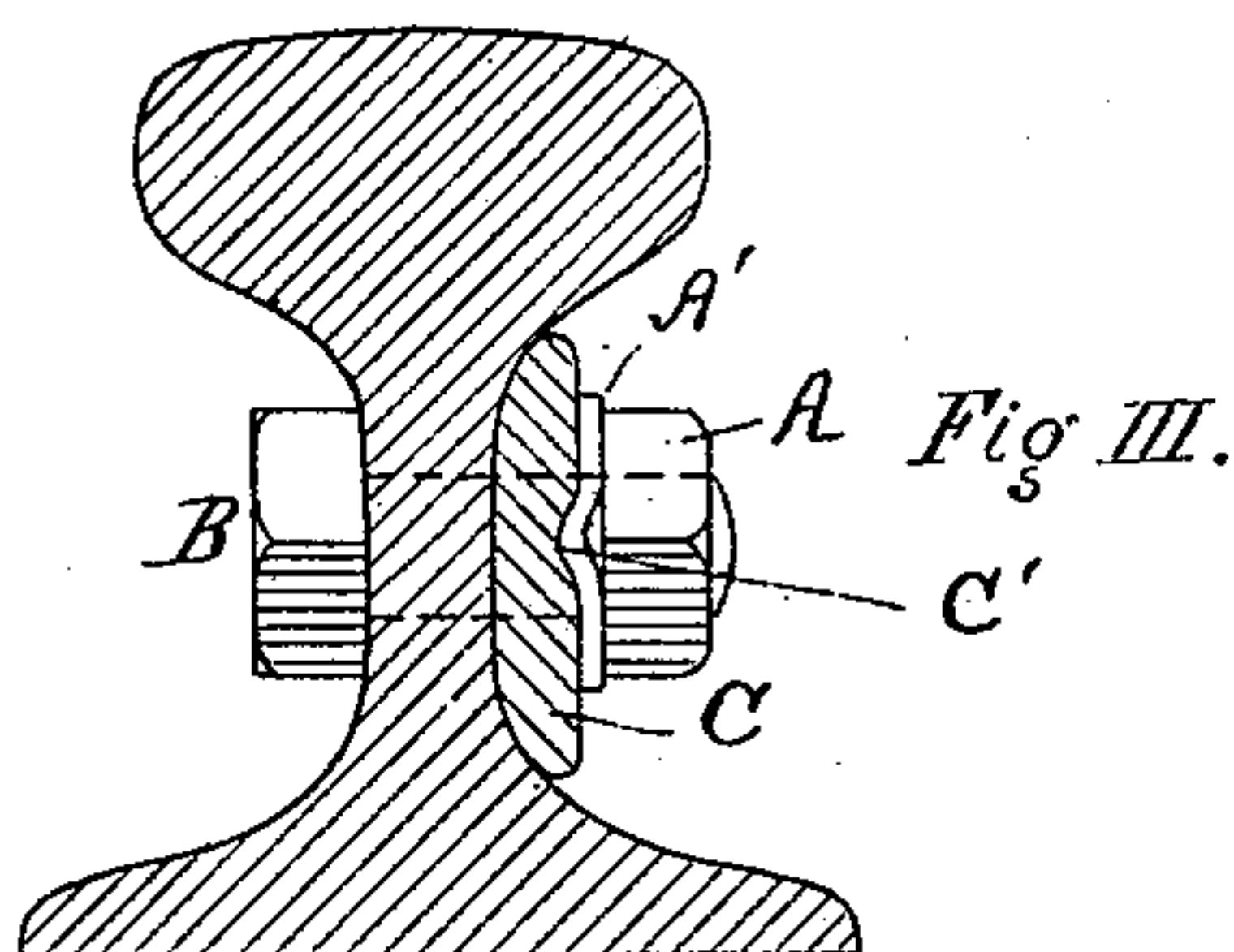


Fig. III.

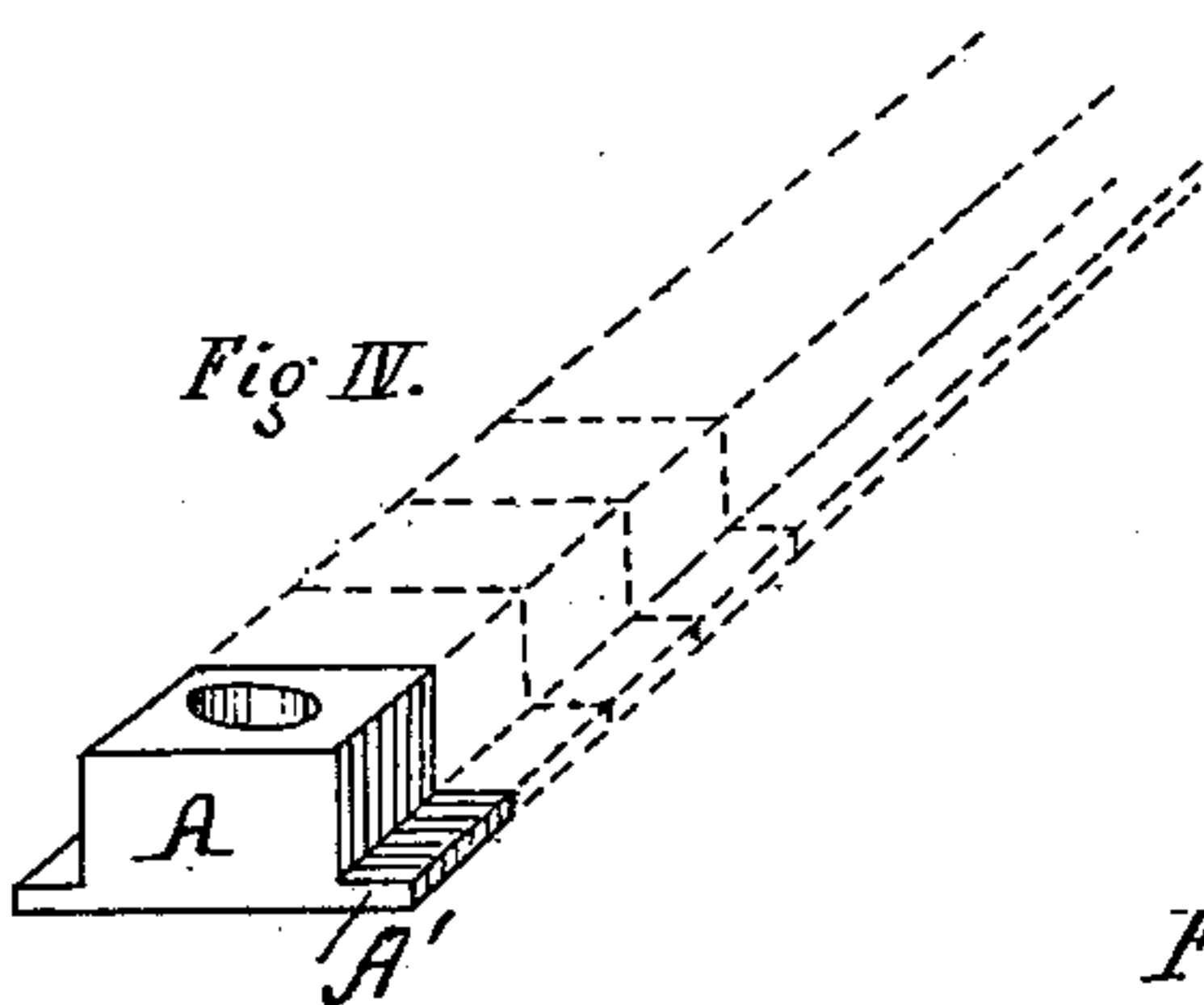


Fig. IV.

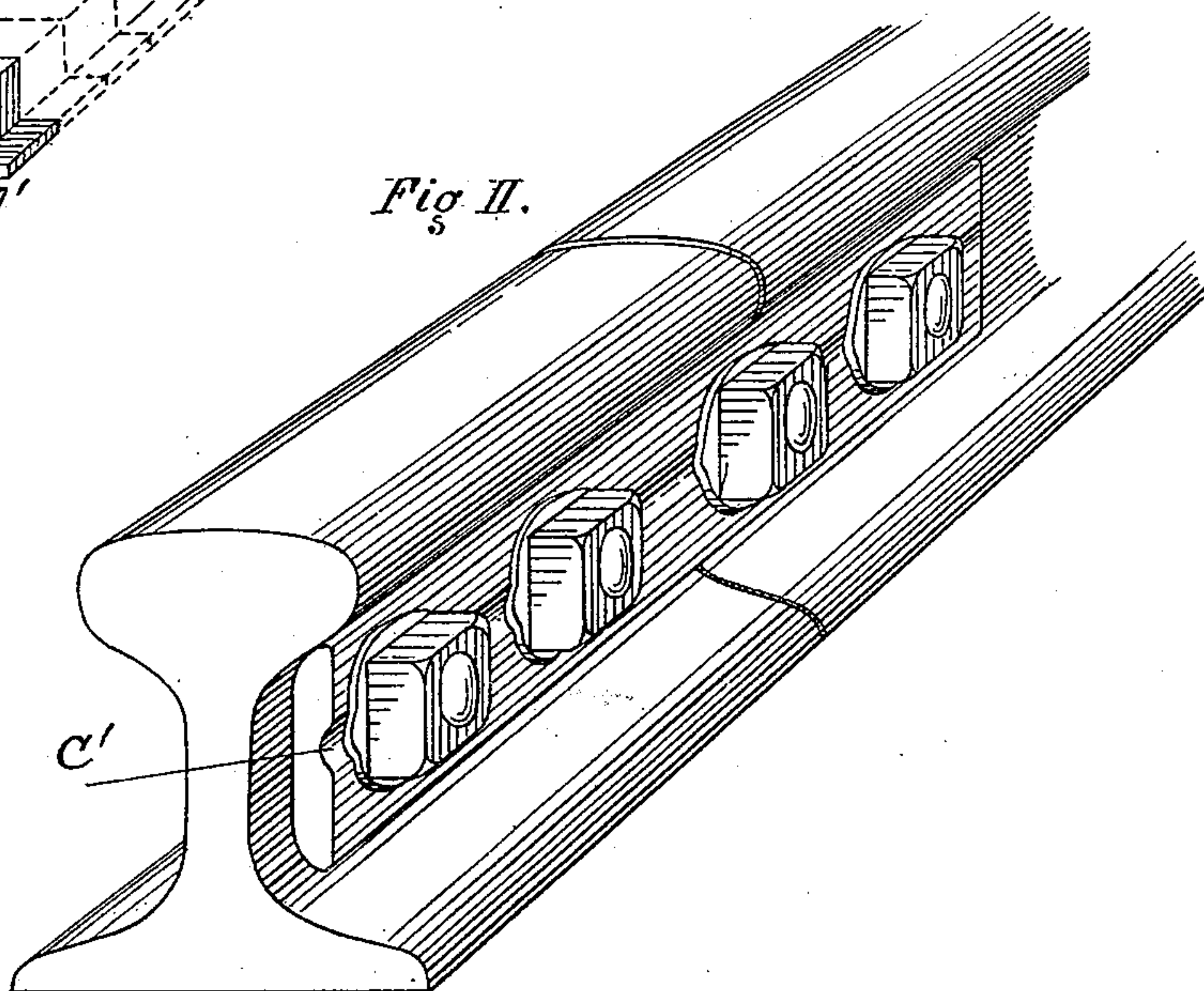


Fig. II.

WITNESSES
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OSCAR STODDARD, OF DETROIT, MICHIGAN.

LOCK-NUT.

SPECIFICATION forming part of Letters Patent No. 236,644, dated January 11, 1881.

Application filed June 7, 1880. (No model.)

To all whom it may concern:

Be it known that I, OSCAR STODDARD, of Detroit, county of Wayne, State of Michigan, have invented a new and useful Improvement in Lock-Nuts; and I declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to lock-nuts for use upon railway fish-bars, or in any other locality where the nuts are liable to work loose.

My invention consists, essentially, in forming the nut with a thin projecting fin upon its lower edge, a portion of which may be struck into a recess or groove in the surface of the fish-bar or other object when the nut has been run down to its seat.

In the drawings, Figure I is a separate view of the lock-nut. Fig. II shows the same in use with a fish-bar; Fig. III, a cross-section through the indented portion of the nut and bar.

A is an ordinary nut, except that a fin, A', is formed upon its lower surface, so as to project out therefrom. B is a bolt; C, a fish-bar or other surface down against which the nut is to be run, and provided with a groove, indentation, or recess, C', adjacent to the bolt.

The operation of the device is as follows: The nut having been run down upon the surface C and firmly seated, the operator, with his wrench or a suitable tool, strikes the edge of the fin into the groove or indentation, thereby firmly locking the nut.

I prefer that the indentation or groove shall be shallow and with curved edges, so that

when a portion of the fin is projected into it the nut will be held against all liability of working loose and against accidental displacements; but should it be desired to loosen or tighten the nut the indented portion may be caused to ride up out of the groove or recess by a smart turn of the nut by a wrench.

I am aware that a separate washer with one edge turned up so as to cause the washer to turn with the nut has been employed, and the same locked by striking its edge into a groove; but the construction requires a separate washer, while by my device the nut and fin accomplish the same purpose, and, being made in a single piece, are cheaper and more convenient.

If employed upon wood or upon a smooth object, the indentation may, at the time of using, be made with a suitable tool and the fin be struck into it.

In Fig. IV is represented a method of making the nut with a fin on each of two edges, and is made by rolling; and I would have it understood that the fin may be upon one or more sides of the nut, or may extend all the way around it.

What I claim is—

The combination, with a fish-bar having a groove or recess, of a bolt and a nut with a projecting fin on its lower edge, adapted to be locked by striking the edge of the fin into the groove, substantially as described.

In testimony whereof I sign this specification in the presence of two witnesses.

OSCAR STODDARD.

Witnesses:

WILLIAM M. PORTER,
S. E. THOMAS.