

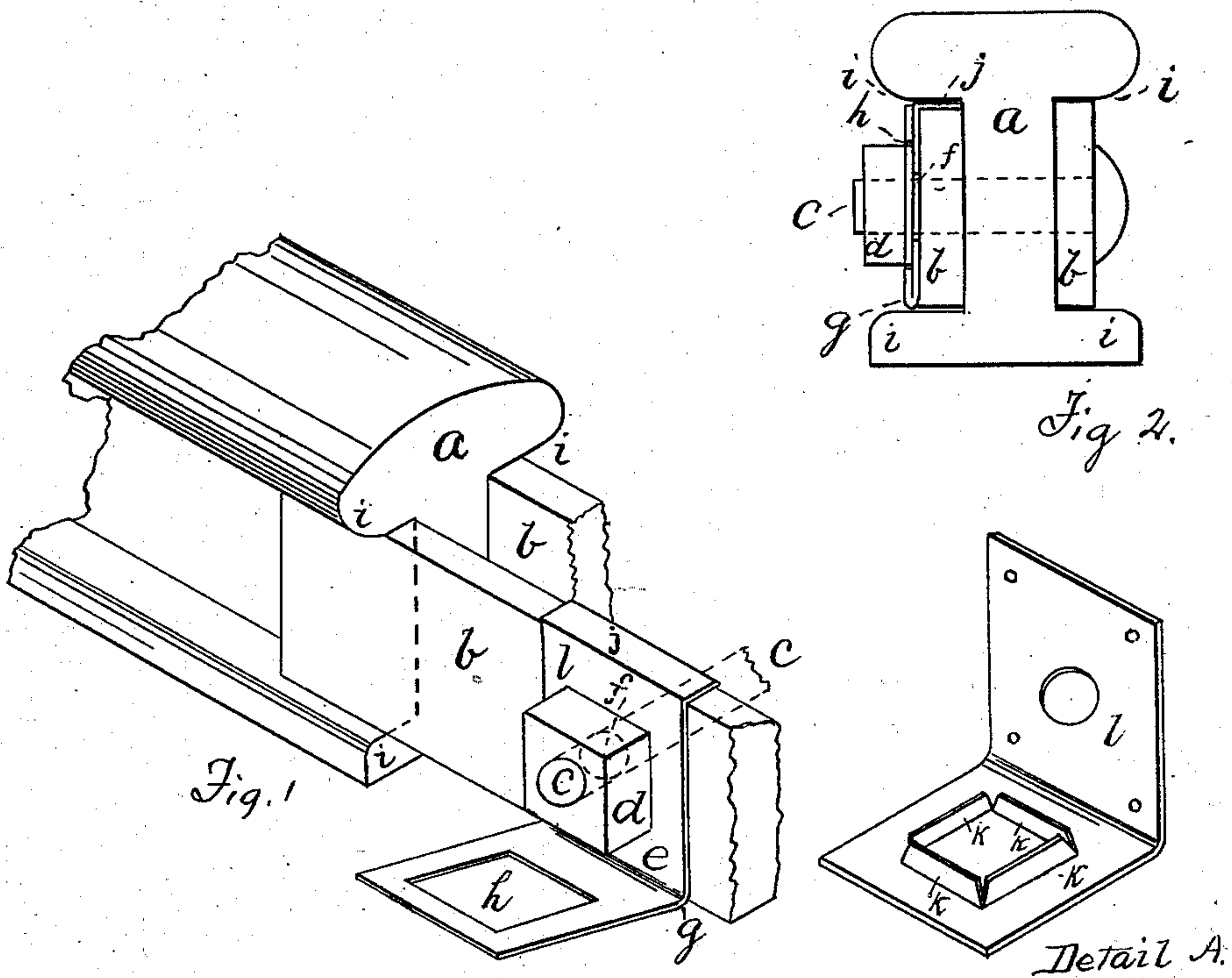
(No Model.)

J. H. SHEEHAN.

NUT LOCK.

No. 282,383.

Patented July 31, 1883.



Witness
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UNITED STATES PATENT OFFICE.

JAMES H. SHEEHAN, OF BANGOR, MAINE, ASSIGNOR OF ONE-HALF TO
EZRA L. STERNS, OF SAME PLACE.

NUT-LOCK.

SPECIFICATION forming part of Letters Patent No. 282,383, dated July 31, 1883.

Application filed May 19, 1883. (No model.)

To all whom it may concern:

Be it known that I, JAMES H. SHEEHAN, of Bangor, in the county of Penobscot and State of Maine, 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, that will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 shows an isometrical perspective of my invention as attached to a rail and fish-plate; Fig. 2, an end view.

15 Same letters show like parts.

My invention consists of an improved nut-lock constructed of flexible metal, and will be readily understood by reference to the annexed drawings.

20 At *a* is shown a rail, *b*, showing the fish-plate; *c*, the bolt, and *d* the nut.

At *e* is my nut-lock, provided with an aperture, *f*, through which the bolt passes, and having a fold or joint at *g*, and a second aperture, *h*, fitting over the nut *d*. The bolt being inserted in its place, the lock is slipped over it and the nut screwed on, holding the plate *c* securely in position. The fold of the lock is then bent up, passing over the nut and preventing its rotation.

30 When ledges *i i*, projecting over the fish-plate *b*, are used, the edges of the lock may be made to fit between them, preventing any movement; but when, as in some cases, the fish-plate and edges of the rail are flush with each other I bend the top or bottom of my nut-lock plate over the fish-plate, as at *j*. The folded portion turning over the edge of the fish-plate, as shown, and the part *e* of the nut-lock being securely held to the fish-plate by the bolt and nut *d*, it is evident that any tendency of the nut-lock to rotate will be resisted by the folded portion *j*; but it will be readily understood that from the nature of my lock it can easily be fitted to or secured in various localities with but slight trouble.

45 If additional security against the rotation of the nut is desired, I purpose to bend up the edges of the aperture *h* in the nut-lock *e*, so

as to inclose the sides of the nut, giving it a greater bearing-surface. Detail A illustrates this feature, the turned-up sides being shown at *k*.

When my device is used upon a wooden surface, the stationary part *l* of the lock may be secured, if desired, by nails or screws.

For convenience in illustration the sides *k* are shown as turned up toward the fold; but it will be understood that they may be turned downward, if desired.

60 I do not claim a nut-lock made in two parts and provided with a connecting-hinge.

One great advantage of my lock arises from the fact that it is made of thin flexible material and is capable of being quickly and readily fitted and adapted to positions in which the ordinary nut-lock could not be used.

I do not claim the devices shown in the patent of Elliot, No. 77,180, April 28, 1868, in which a plate-metal sheet is shown as passing under and up on each side of the rail, thereby forming a fish-plate as well as a nut-lock. My device is intended for use with the ordinary fish-plate, and the lock is kept from rotation by fitting between the flanges of the rail, thus requiring much less metal and being more readily put in place or removed.

What I claim as my invention is—

1. In combination with a rail and fish-plate, the nut-lock *e*, formed of flexible metal, and provided with apertures *f h* and fold *g*, all its parts being upon the outside of said fish-plate, the portion next the fish-plate being held in position by the bolt and nut and prevented from turning by butting under the projecting ledges *i* of the rail, substantially as herein set forth.

2. The nut-lock *e*, provided with the apertures *f h*, fold *g*, and bent portion *j*, as and for the purposes described.

In testimony that I claim the foregoing I have hereunto set my hand this 15th day of May, 1883.

JAMES H. SHEEHAN.

Witnesses:

W. A. RICE,

WM. FRANKLIN SEAVEY.