

(No Model.)

I. H. ELLIOTT.
BED LOCK.

No. 482,626.

Patented Sept. 13, 1892.

Fig. 1.

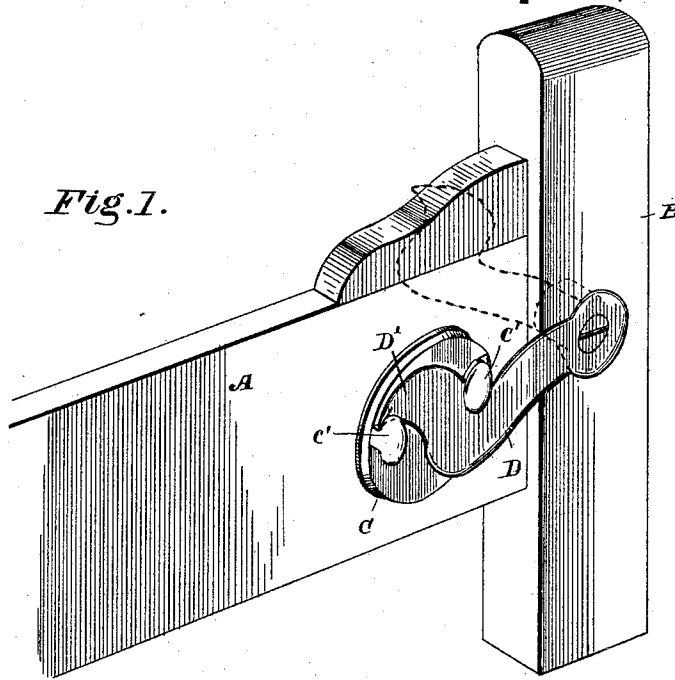


Fig. 2.

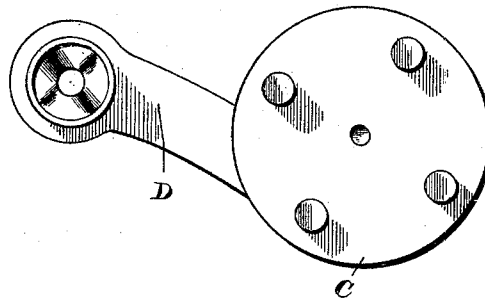
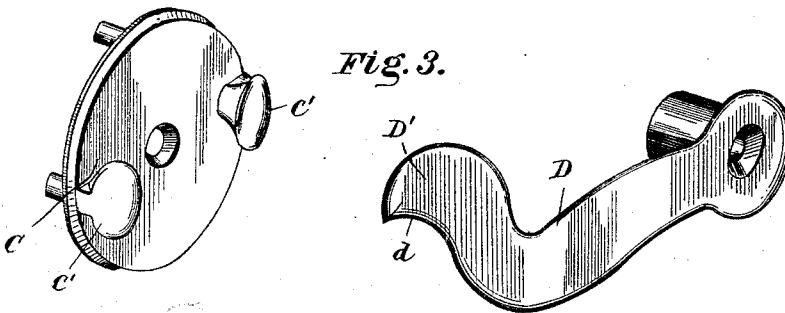


Fig. 3.



Witnesses

J. Ulke, Jr.

Chas. B. Hyer

By his Attorneys,

Ca Snow & Co.

Inventor

Irvin H. Elliott

UNITED STATES PATENT OFFICE.

IRVIN H. ELLIOTT, OF ALLAPAH, GEORGIA.

BED-LOCK.

SPECIFICATION forming part of Letters Patent No. 482,626, dated September 13, 1892.

Application filed March 11, 1892. Serial No. 424,582. (No model.)

To all whom it may concern:

Be it known that I, IRVIN H. ELLIOTT, a citizen of the United States, residing at Allapaha, in the county of Berrien and State of Georgia, have invented a new and useful Bed-Lock, of which the following is a specification.

This invention relates to certain new and useful improvements in bed-locks; and it consists in the construction and arrangement of the parts thereof as will be more fully hereinafter described, and pointed out in the claims.

The object of this invention is to provide simple and effective means for easily and readily connecting the parts of a bed and inseparably supporting them in said connection against accidental dismemberment in a strong and durable manner.

In the drawings, Figure 1 represents a perspective view of the parts of a bed including one of the posts and a rail with my improved lock applied thereto. Fig. 2 is a rear elevation, on an enlarged scale, of the parts of the lock detached and shown in joined position. Fig. 3 is a detail view in perspective of the parts of the lock shown disconnected.

Referring to the drawings, A designates the rail of a bed, and B the post thereof. To the side of one end of the rail is attached a circular plate C, having lugs on the rear side thereof, which are embedded in said rail, and said plate is secured in addition by a screw passing therethrough. On the face of said plate C are formed oppositely-situated flanged horns C', which overhang toward the center of said plate and are adapted to partially embrace and secure an irregularly-curved arm D, which is secured to the bed-post B. The said arm D is constructed with beveled edges *d* and an outer headed end D', together with an inner apertured end surrounded by a lug adapted to be embedded in the said post B and have a screw passed therethrough to secure the said arm in position. The said arm D is curved to imitate somewhat the form of a bird's head, as will be readily seen, and, owing to the irregular curved shape thereof and the flanges heretofore referred to, it will take in under the horns C' of the plate C and draw the rail firmly against the bed-post when the parts are connected. The one horn C' bears against

the head portion of the said arm D and the opposite horn C' against the lower flange of the said arm, thereby clamping the same in an immovable position so long as the rail sustains the position shown. It is impossible for the rail to move from said position, owing to the clamping action of the two horns on the opposite parts of the said arm, as hereinbefore referred to. The parts are preferably made of malleable iron and are comparatively inexpensive of manufacture.

In assembling the parts the plates C are securely fastened to the rails and the arms D are then attached to the posts of the head and foot boards so as to be in engaging position relatively to the said plate C. It will be seen that the arms D are secured by one screw passing centrally through a boss which is embedded in the posts of the head and foot boards, and by this means a pivotal mounting of the said arms is obtained, adapting the same to be movable in the arc of a circle having the screw thereof as the center.

In connecting the parts C and D the arms are moved upward at a suitable angle so that the free ends thereof may be readily inserted between the horns of the said plates C and the rails then moved downward until the ends thereof firmly engage the posts of the head or foot boards and bind thereagainst, causing the arms to become firmly locked in connection with the plates until the rails are raised, when the said arms may be readily disconnected from said plate. It will be seen that the rails may be readily positioned and the several parts of the device securely connected, and crevices or openings at the ends of the rails are avoided, for obvious reasons being a beneficial construction.

It will be understood that a pair of the devices described will be used in connection with each bed-post and adjacent end of the rail in securing the same in position. The parts of the device are easily and readily applied, as there are but two fastening pins or screws necessary to attach the parts of the device, which is owing to the lugs formed in connection with the several parts, which act as a reinforce against strain, as well as assisting in sustaining a fixed position after the devices have been properly adjusted.

The advantage and utility of this form of

device are readily apparent to those skilled in the art and need not be further enlarged upon herein.

Having thus described my invention, what
5 is claimed as new is—

1. In a bed-lock, the combination of a plate
having horns thereon and an irregularly-
curved headed arm having flanges to take un-
der the horns of said plate, the said plate be-
10 ing secured to a bed-rail and the arm pivot-
ally secured to the bed-post, substantially as
described.

2. In a bed-lock, the combination of a plate
having horns thereon, with flanges overhang-
15 ing toward the center thereof and lugs on the

back of said plate, an irregularly-curved arm
having a head and flanges to take under the
said horns of the plate, the said arm being
formed with a lug to assist in holding the
same in position, the said plate being ar- 20
ranged in connection with a bed-rail, and the
arm pivotally secured to the bed-post, sub-
stantially as described.

In testimony that I claim the foregoing as
my own I have hereto affixed my signature in 25
the presence of two witnesses.

IRVIN H. ELLIOTT.

Witnesses:

J. H. KIRBY,

P. W. ALEXANDER.