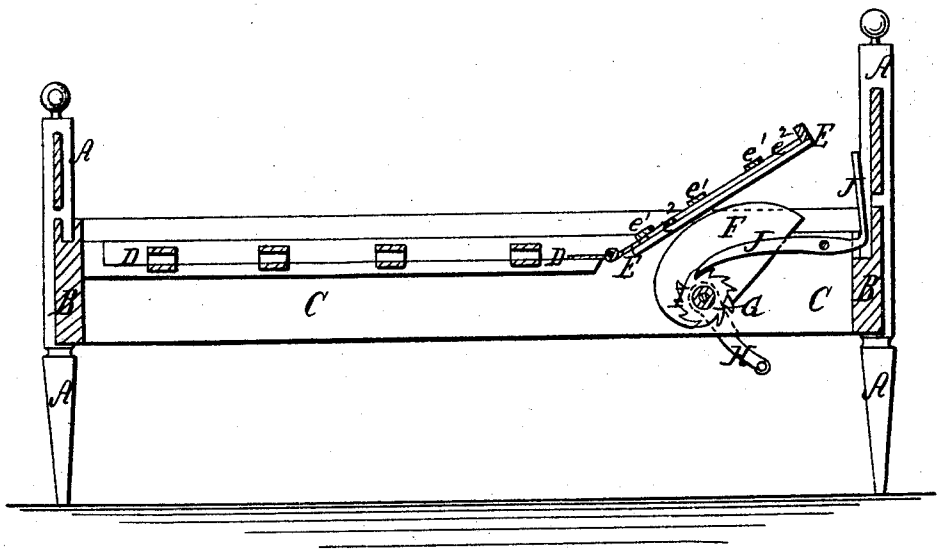
E. Hoag,

Bed Bottom.

No. 90,449. Patented May 25. 1869.



Witnesses;
J. Hinchman
Geo. W. Mabee

Inventor;
E. Hoag
Per Munn & Co
Attorneys.

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

United States Patent Office.

ELIHU HOAG, OF COXSACKIE, NEW YORK.

Letters Patent No. 90,449, *dated May* 25, 1869.

IMPROVED ADJUSTABLE BED-BOTTOM.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern:

Be it known that I, ELIHU HOAG, of Coxsackie, in the county of Greene, and State of New York, have invented a new and improved Adjustable Bed-Bottom; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification.

The figure is a vertical longitudinal section of a bedstead, to which my improvement has been attached.

Similar letters of reference indicate corresponding parts.

My invention has for its object to improve the construction of bed-bottoms, in such a way, that the part of the bed-bottom toward the head of the bedstead may be conveniently and gently raised and lowered, and securely held at any desired angle, for convenience in changing the position of invalids; and

It consists in the combination of the cams, shaft, ratchet-wheel, and lever-pawl, with the movable hinged part of the bed-bottom, and with the bedstead, as hereinafter more fully described.

A represents the posts,

B, the end-rails, and

C, the side-rails of the bedstead, about the construction of which parts there is nothing new.

D is the stationary, or foot-part of the bed-bottom, which is formed of spring-slats, resting upon cleats attached to the inner sides of the side-rails of the bedstead.

E is the upper, or head-part of the bed-bottom, which is formed by attaching the ends of spring cross-slats e^1 to the longitudinal side-bars e^2.

The lower ends of the side-bars e^2 are hinged to the upper ends of the side-cleats of the lower, or stationary part of the bed-bottom, as shown in the figure.

The side-bars e^2 rest upon the cams F, attached to the shaft G, which extends across the head-part of the bedstead, and the journals of which revolve in bearings in the side-rails C of said bedstead.

In the end of one of the journals of the shaft G, is formed a square socket, to receive the stem of the crank H, by means of which the said shaft is operated, so that the said crank may be conveniently detached, and laid aside when not required for use.

To the shaft G is attached a ratchet-wheel, I, upon the teeth of which the pawl J takes hold, to hold the shaft G stationary, and the hinged part E of the bed-bottom securely, at any angle to which it may be raised.

The rear end of the lever-pawl J is bent upward, as shown in the figure, so that it may be conveniently reached and operated, to release the ratchet-wheel I, when it is desired to wholly or partially lower the part E of the bed-bottom.

Having thus described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

The combination of the cams F, shaft G, ratchet-wheel I, and lever-pawl J, with the movable hinged part E of the bed-bottom, and with the side-rails C of the bedstead, substantially as herein shown and described, and for the purpose set forth.

ELIHU HOAG.

Witnesses:

I. G. RAYMOND,

E. B. RAYMOND.