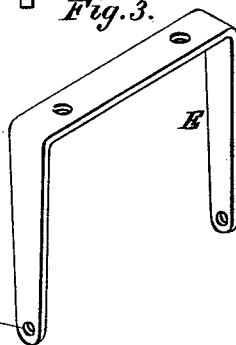
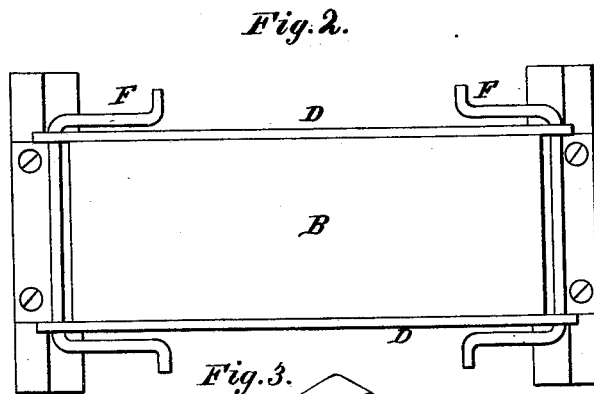
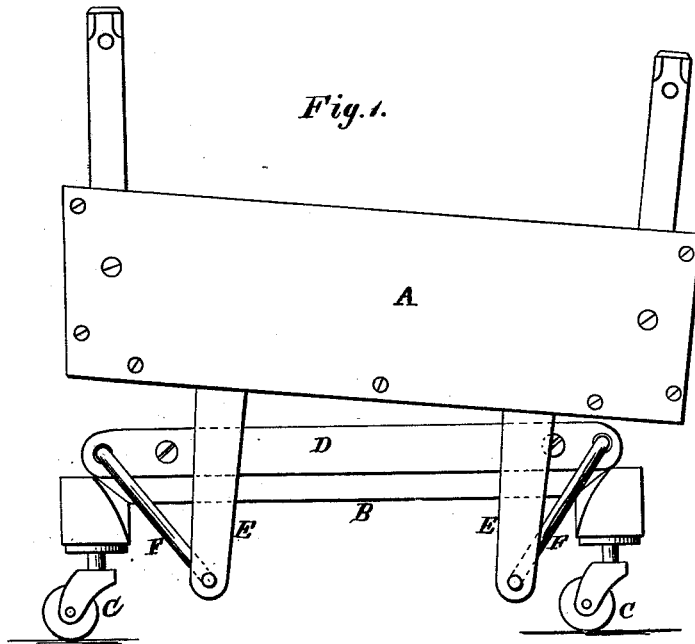


G. BUCHANAN.

CRADLE.

No. 188,581.

Patented March 20, 1877.



WITNESSES
Henry N. Miller
Frank Galt

INVENTOR
Geo. Buchanan.

UNITED STATES PATENT OFFICE.

GEORGE BUCHANAN, OF WASHINGTON, PENNSYLVANIA.

IMPROVEMENT IN CRADLES.

Specification forming part of Letters Patent No. **188,581**, dated March 20, 1877; application filed February 19, 1877.

To all whom it may concern:

Be it known that I, GEORGE BUCHANAN, of Washington, in the county of Washington, and in the State of Pennsylvania, have invented certain new and useful Improvements in Cradles; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of the several parts of a cradle, the peculiarities of which will be hereinafter more particularly described.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

In the accompanying drawings, making a part of this specification, Figure 1 represents a side elevation; Fig. 2, a plan of the lower frame, and Fig. 3 a perspective of one of the hangers.

In the figures, A represents the body of the cradle, which may be made in any of the well-known and usual ways and shapes, there being nothing new in its general construction. B represents a rectangular frame beneath this body, which is supported upon casters at its four corners. Secured to the two sides of this frame are the metallic bars or straps D D. E E represent metallic bars, which are formed in the shape seen in Fig. 3, and which serve as hangers for the body A.

The centers of these hanger-bars are secured to the under side of the body A near each of its ends.

The ends of the bars project downward, and

connect to the crank ends of the double-crank rods F F. The rods F F lie crosswise of the frame B near its ends, and are held in bearings in the bars D D, the ends of the rods entering holes in the arms of the bars E E.

The body A is raised sufficiently above the frame B to allow it to rock freely.

It will be seen that by this arrangement the body of the cradle rocks, or has an endwise oscillating motion, and is not liable to jars or jolting from coming in contact with inequalities on the floor, as is usual with cradles which are mounted on ordinary rockers. The motion in this case is always easy and uniform.

It will be seen that the hangers are secured to the crank-rods, within or between vertical lines drawn through their bearings crosswise of the frame. This gives bearings longitudinally of the frame between the bearing-points of the crank-rods, whereby a compound motion is imparted to the cradle-body.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The cradle-body A, mounted upon the frame B, and connected to the same by means of the hangers E E and the crank-rods F F, the hangers being connected to the rods at points within or between vertical lines drawn crosswise of the frame through the bearings of the crank-rods, as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand this 5th day of February, 1877.

GEORGE BUCHANAN.

Witnesses:

ALVAN DONNAN,
JOHN W. SEAMAN, Jr.