

(No Model.)

F. C. HANNAHS.
CRADLE.

No. 509,848.

Patented Nov. 28, 1893.

Fig. 1.

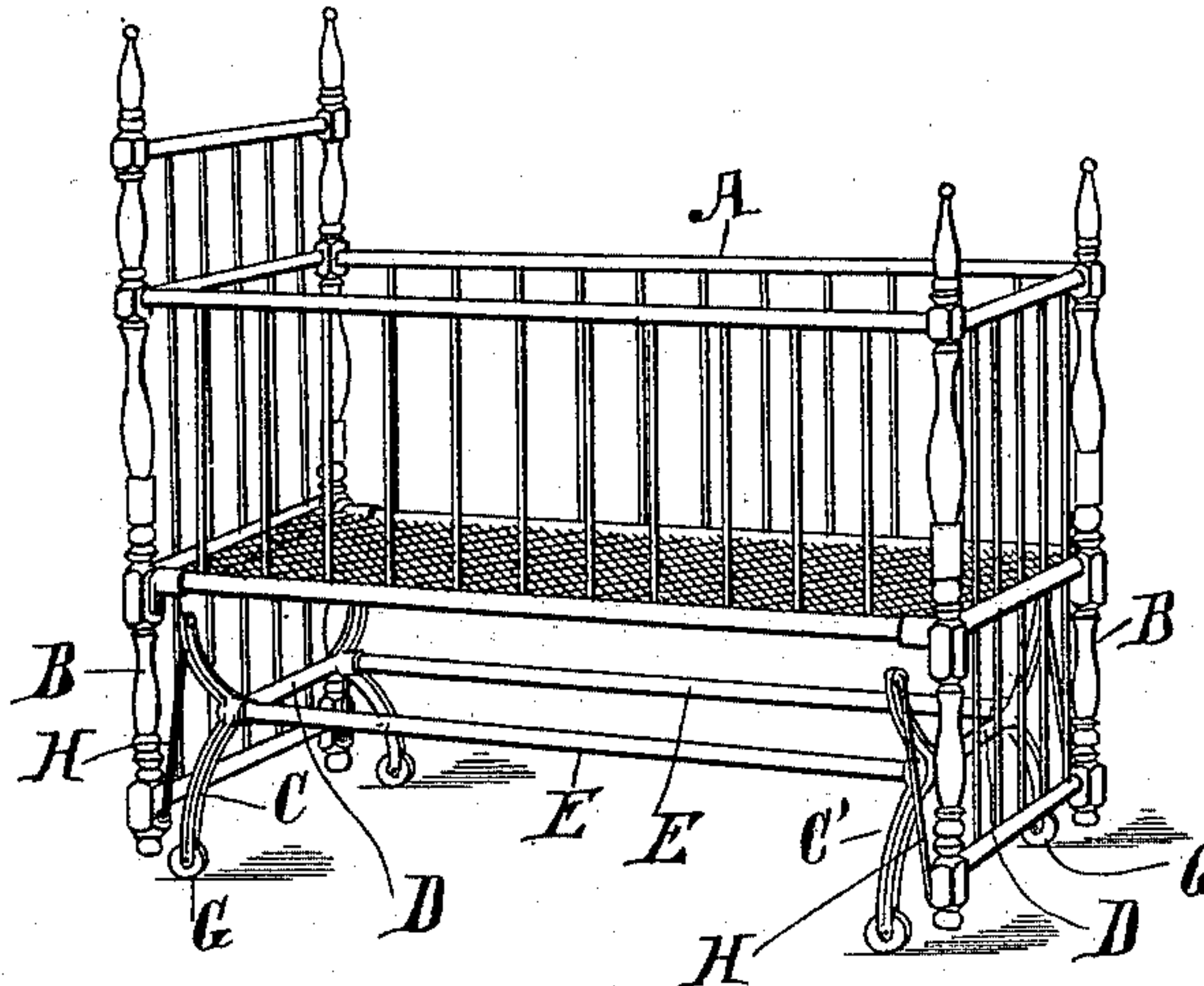


Fig. 3.

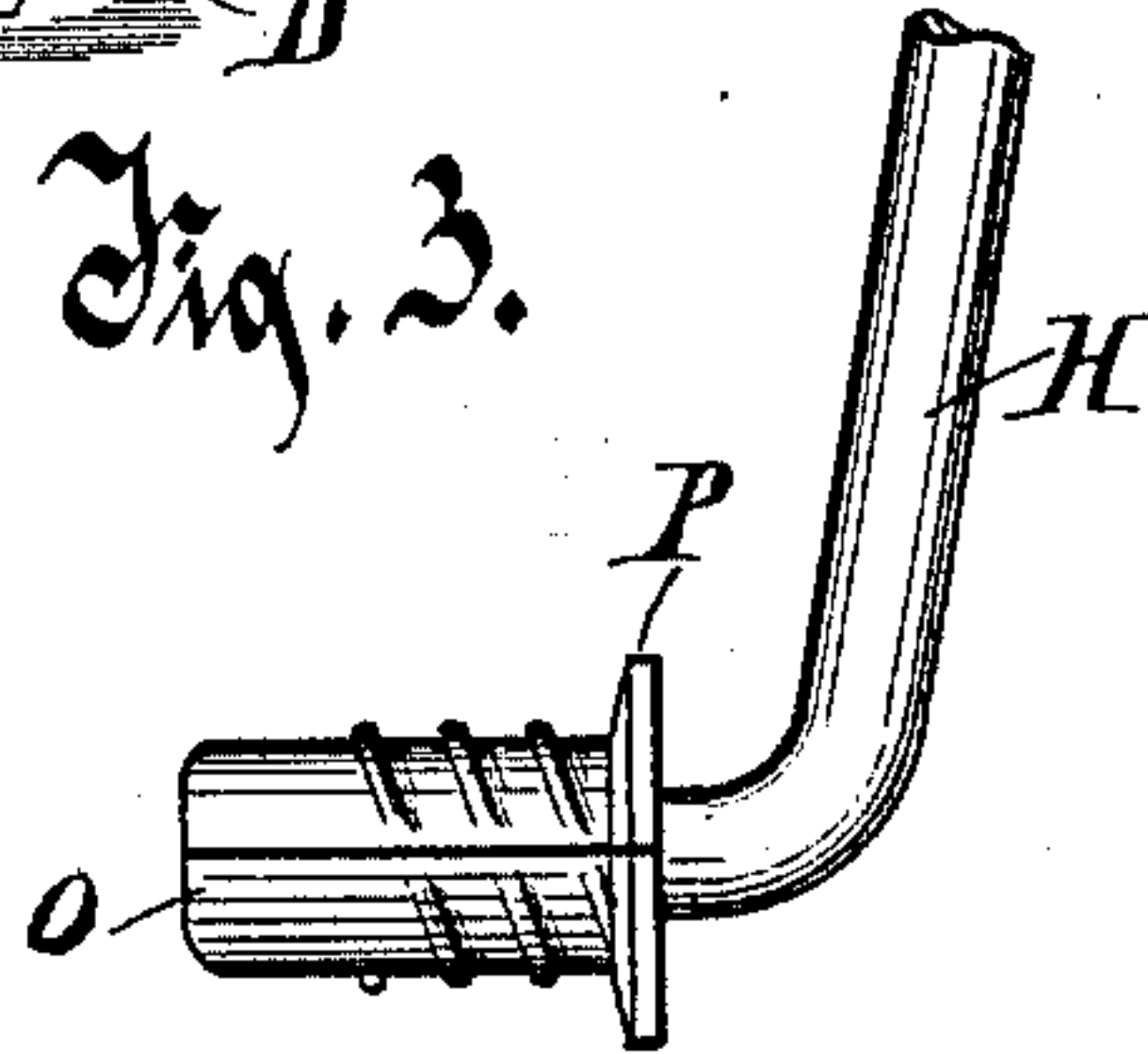


Fig. 2.

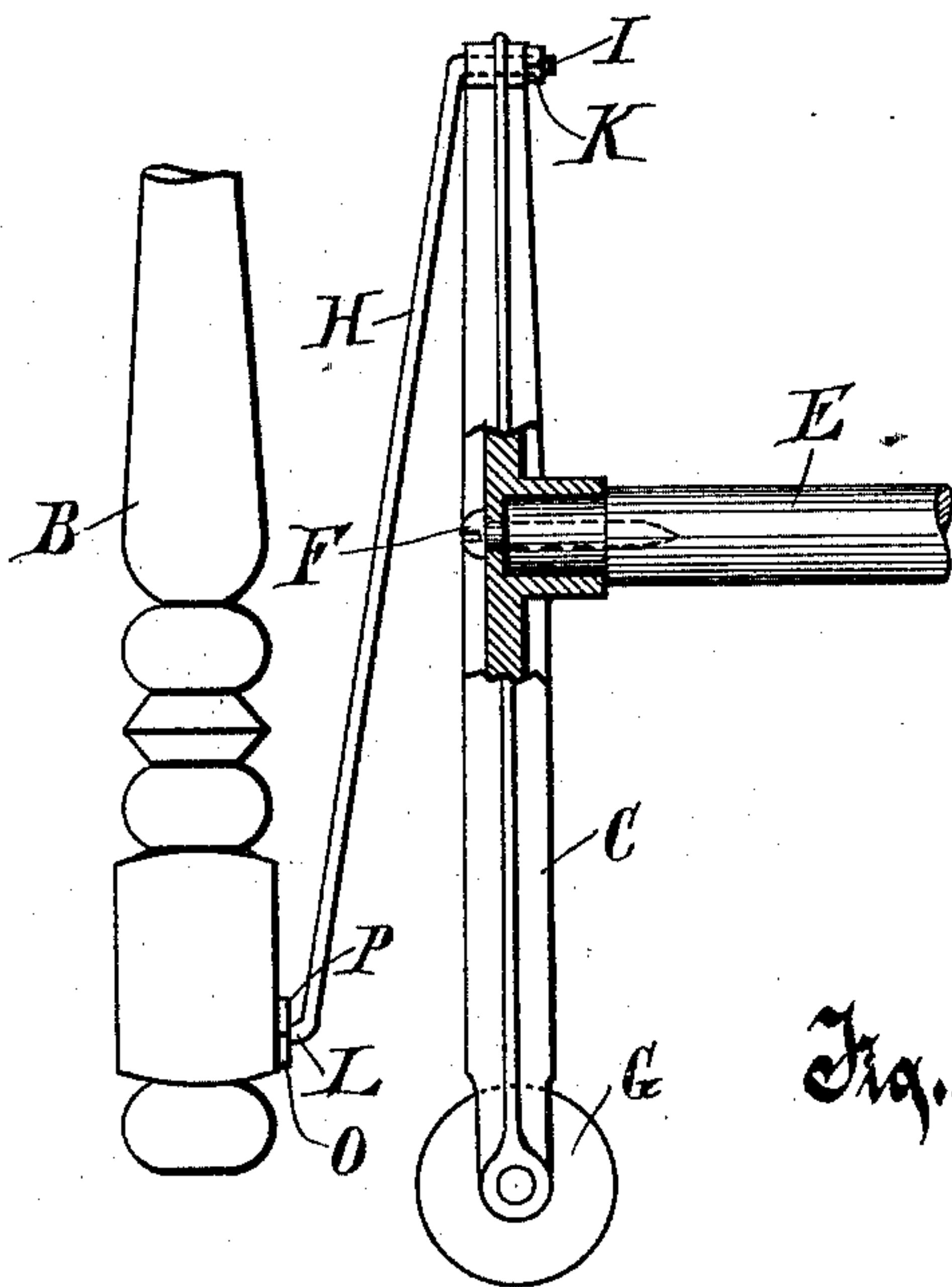


Fig. 4.

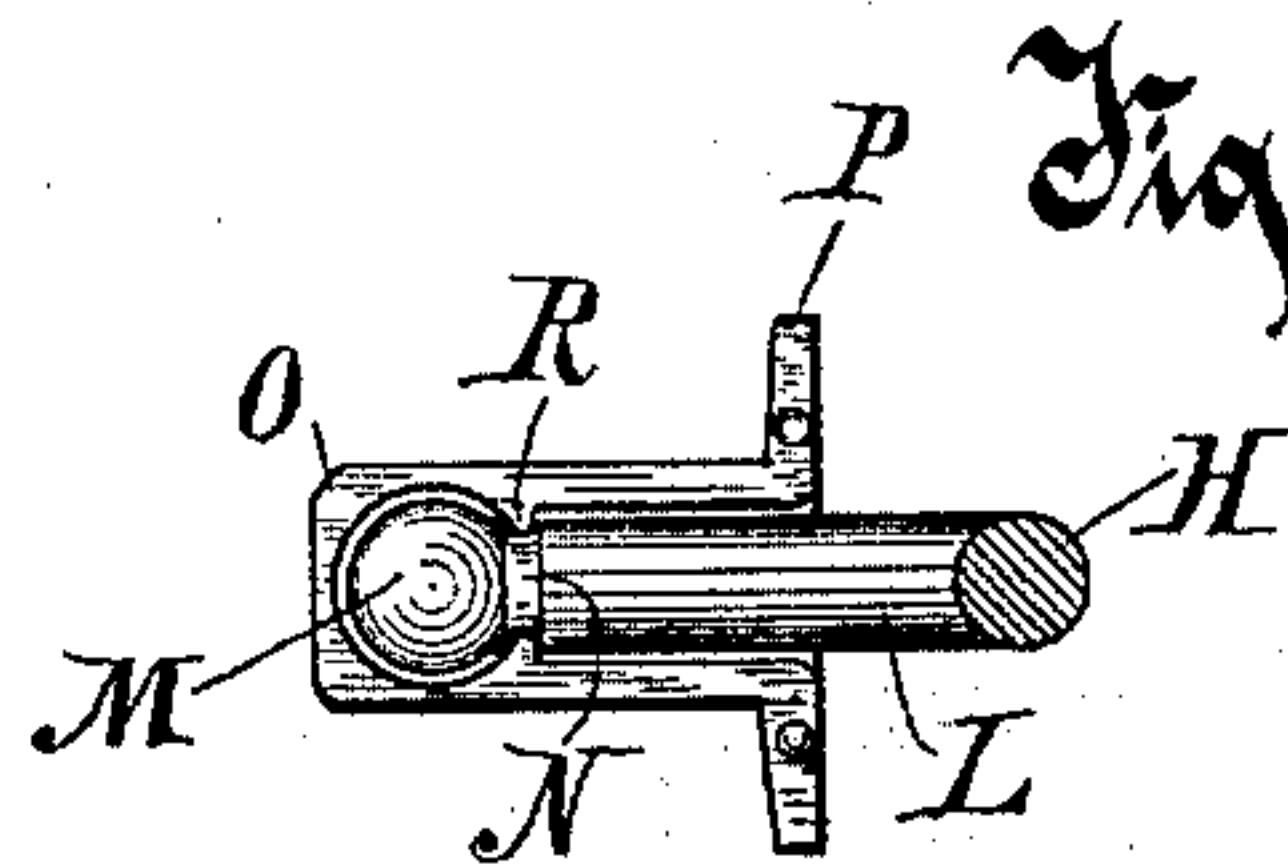
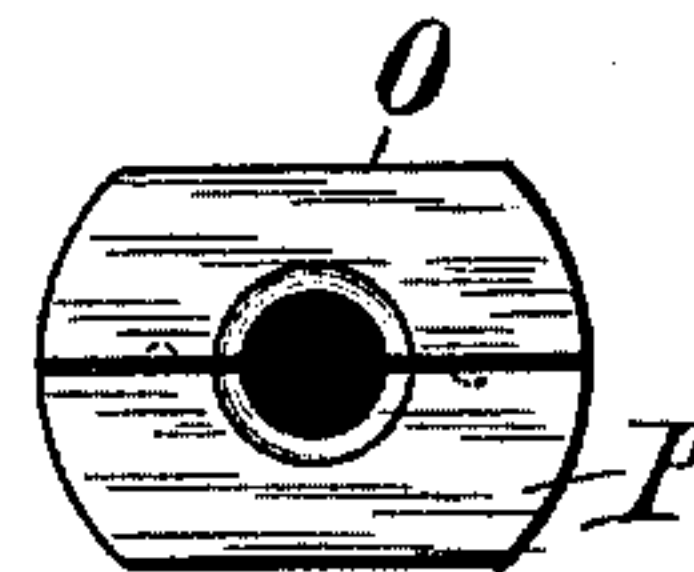


Fig. 5.



Witnesses.

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FRED C. HANNAHS, OF KENOSHA, WISCONSIN, ASSIGNOR TO THE KENOSHA CRIB COMPANY, OF SAME PLACE.

CRADLE.

SPECIFICATION forming part of Letters Patent No. 509,848, dated November 28, 1893.

Application filed June 20, 1893. Serial No. 478,253. (No model.)

To all whom it may concern:

Be it known that I, FRED C. HANNAHS, of Kenosha, in the county of Kenosha and State of Wisconsin, have invented a new and useful Improvement in Cradles, of which the following is a description, reference being had to the accompanying drawings, which are a part of this specification.

My invention relates to improvements in that part of a child's rocking or oscillating cradle, which supports the body of the cradle movable thereon.

The invention involves the means for supporting the cradle in such manner that it will not move laterally on the floor, under the strain and thrust of the oscillation of its body part, the means by which the body part is permitted to rock or oscillate, and the details of the construction of the devices for these purposes.

In the drawings, Figure 1, is a perspective view of the improved cradle. Figs. 2, 3, 4 and 5 illustrate details of the construction.

In the drawings, A is the body part of the cradle having corner posts B B that depend or project downwardly below the bed or floor of the body part. This body part is supported on a frame or substructure movably, in such manner as to oscillate freely laterally, remaining constantly in a horizontal position.

In the supporting frame the legs C C' arranged at the corners of a rectilinear parallelogram, are preferably constructed of iron in pairs C C and C' C', secured together by the medial cross bar D. The legs of each pair and its cross bar are conveniently cast integrally. These pairs of legs are secured to each other rigidly by the side-bars E E, the extremities of which enter sockets therefor in the legs, and are conveniently fastened therein by screws F. Being constructed in this manner and form, this supporting frame is readily taken apart, for packing and shipping. The extreme length of this frame is somewhat less than the distance longitudinally between the head and foot posts of the body part, so that the posts of the body part when supported on the frame pass over and are on the outside of the frame, as shown in Fig. 1. Each of the posts C and C' is pro-

vided with a small supporting wheel G, the axis of which wheel is at a right angle to the length of the cradle. By mounting the supporting frame on the wheels G in this manner the cradle is readily run along the floor endwise, but as the wheels do not swing or change the position of their axes they are not adapted to run laterally to the length of the cradle, and the frame therefore stands firmly on the floor against the thrust of the oscillating cradle laterally.

For supporting the body of the cradle on the frame, in such manner as to swing or oscillate freely laterally, suspending rods H H are provided, which are doubly cranked, or reversely wristed at their extremities. The wrists are slightly oblique to the body of the rod, so that when the wrists take the horizontal positions to which they are fitted in their bearings, the body of the rod will be in a slightly oblique position to the perpendicular as shown in Fig. 2. The upper wrist I of each rod is inserted in the bearing therefor in the upper extremity of a leg C or C' and is secured therein revolubly by a nut K turning thereon. The lower wrist L of each rod has its bearing in the lower extremity of a post B. The wrist L terminates in a slightly enlarged and substantially spherical knob M partially separated from the wrist by an annular groove N. For receiving and holding the wrist L a tubular metal journal box O is provided, which journal box is constructed in duplicate and complementary longitudinal parts or members, which are screw threaded on the exterior and are provided with a flange P at their outer ends. The flange P is faced or straightened on two opposite edges, adapting it to receive a wrench thereon, for turning it into its socket in a post B. The box O is provided with a spherical chamber adapted to receive the enlarged knob M and with a collar R adapted to enter the groove N in the wrist, whereby the wrist is prevented from escaping from the box. The box is turned into a suitable socket therefor in the lower extremity of the post B, until the flange P rests against the side of the post, thus aiding in holding the box securely in position in the post.

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

1. The combination with a frame in the form of a rectangular parallelogram comprising legs at its four corners, medially disposed end cross bars and side bars connecting the legs together rigidly, and wheels in the feet of the legs adapted to rest directly on a floor, the axes of which wheels are permanently at right angles to the length of the frame and are adapted to carry the frame endwise on the floor and to prevent the frame from moving laterally under transverse strain thereon, of a rectilinear cradle body longer than the supporting frame and having posts at its four corners overhanging the frame, and four doubly cranked or reversely wristed suspending rods one at each corner, the cranks or wrists of each of which are journaled respectively in a leg of the frame and in a post of the body of the cradle, and are so disposed

that the body oscillates in the direction of the length of the axes of the wheels in the feet of the posts substantially as described.

2. A knock-down frame for supporting an oscillatory cradle body, comprising four legs one at each corner, the legs at each end being formed in pairs connected together rigidly by a medially disposed integral cross bar, medially disposed side bars the extremities of which enter sockets therefor in the legs and are secured thereto detachably by screws, and wheels in the feet of the legs, the axes of which wheels are permanently at right angles to the length of the frame, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

FRED C. HANNAHS.

Witnesses:

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