

DAVID COX.

Improvement in Children's Cribs.

No. 124,884.

Patented March 26, 1872.

Fig. 1

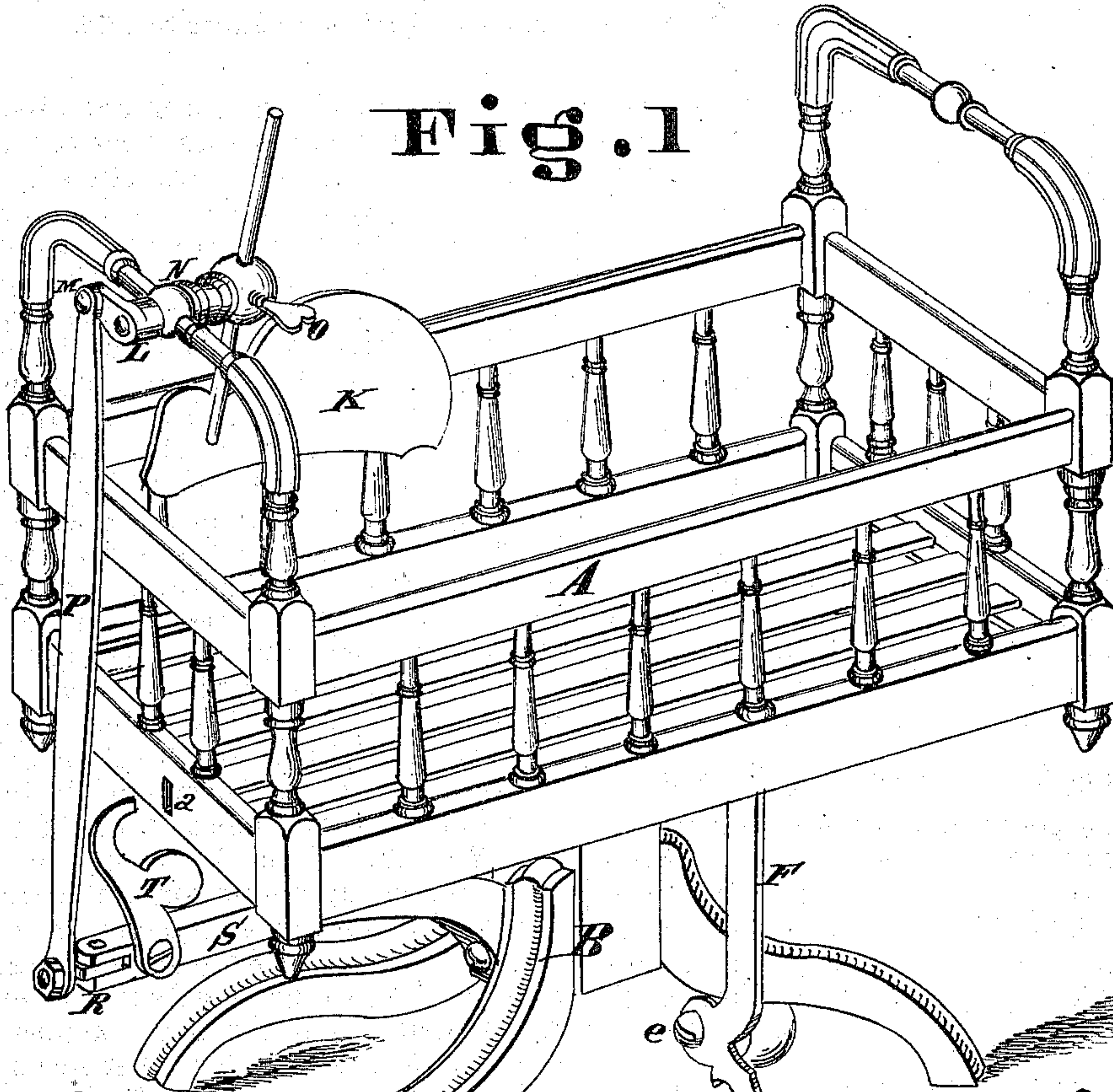


Fig. 2

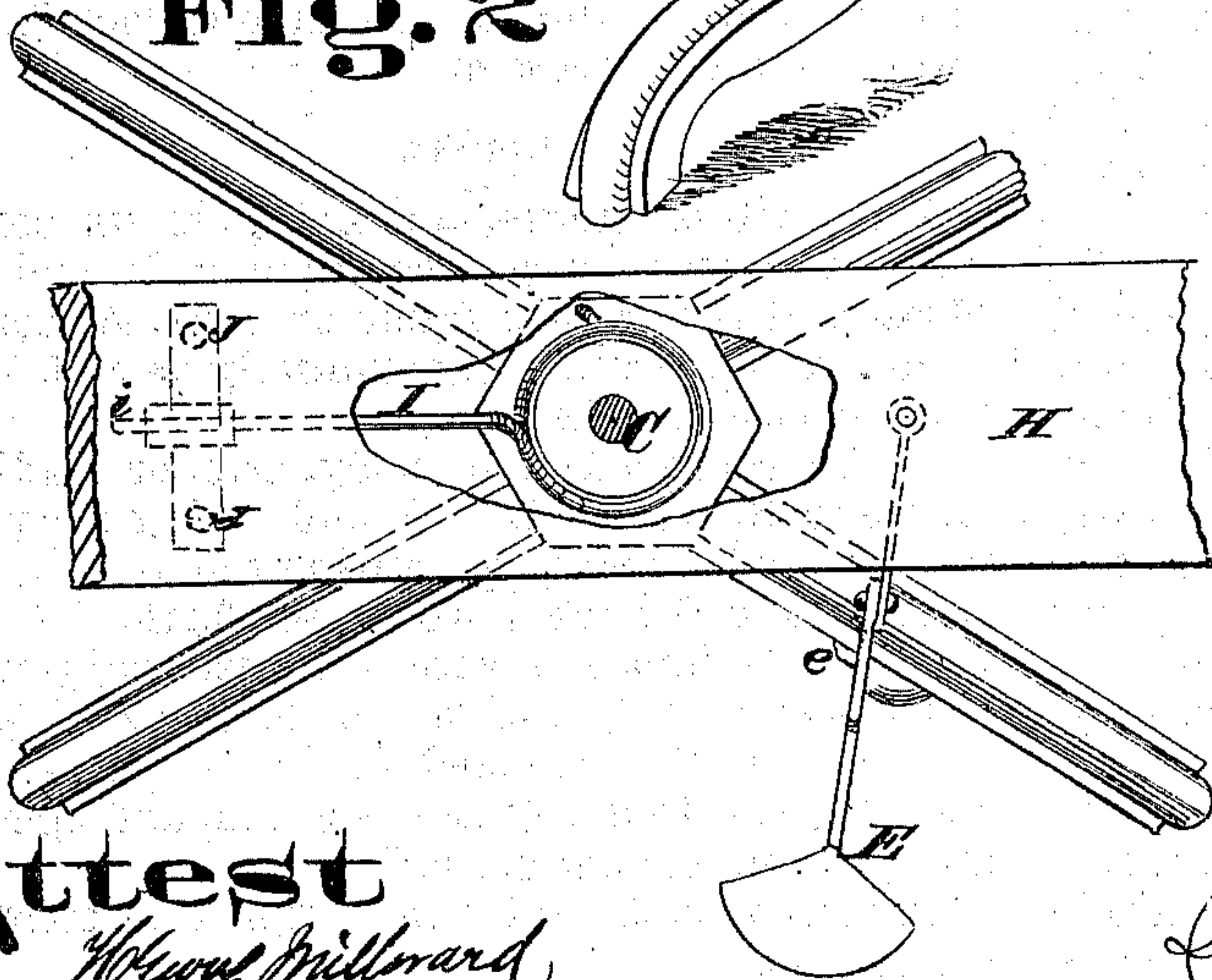
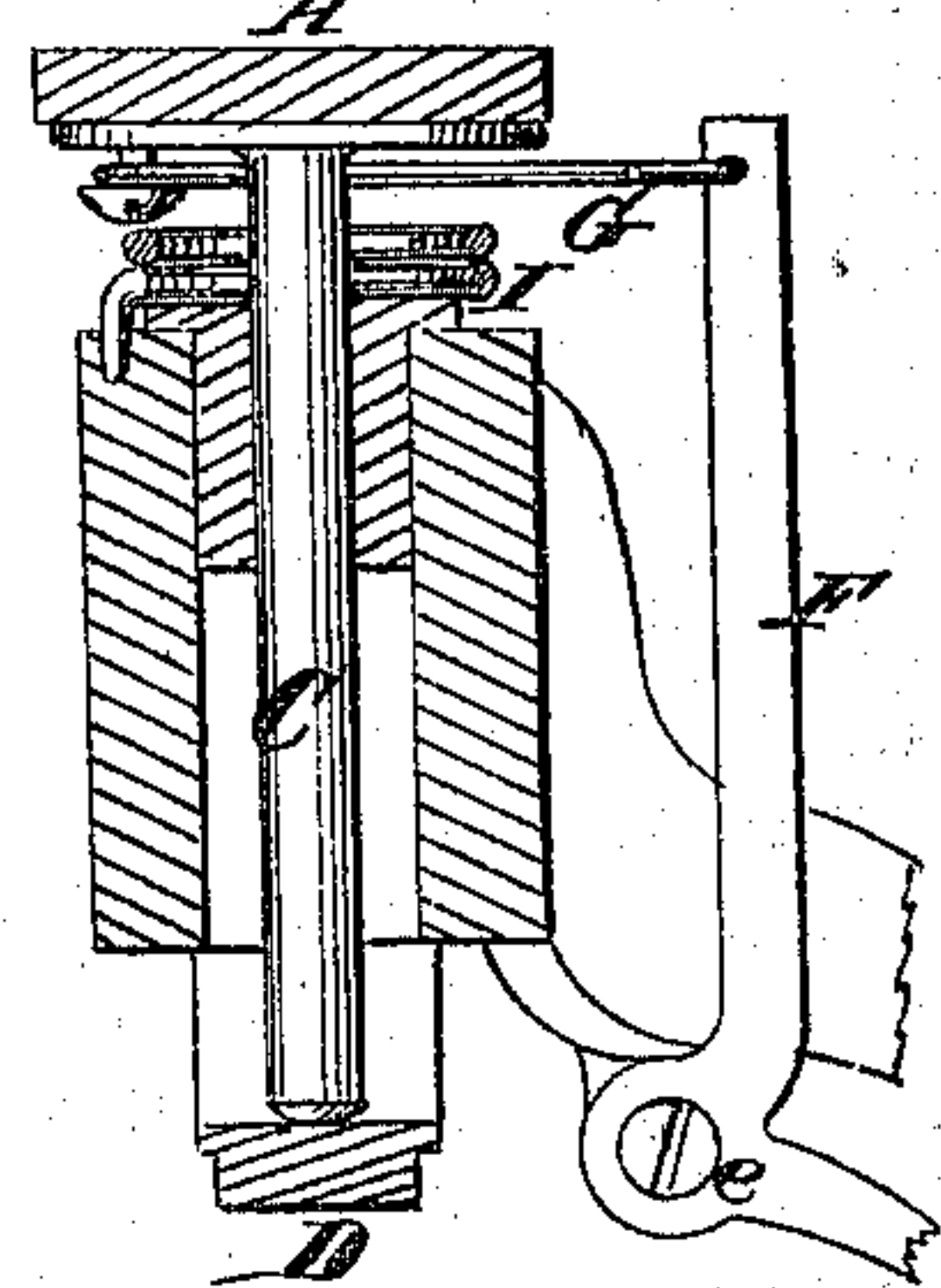


Fig. 3



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## UNITED STATES PATENT OFFICE.

DAVID COX, OF CINCINNATI, OHIO.

## IMPROVEMENT IN CHILDREN'S CRIBS.

Specification forming part of Letters Patent No. 124,884, dated March 26, 1872.

I, DAVID COX, of Cincinnati, Hamilton county, State of Ohio, have invented a certain new and useful Horizontally-Vibrating and Fanning Crib, of which the following is a specification:

*Nature and Objects of Invention.*

My invention consists, first, in such a construction and combination of crib and stationary base that the crib in action vibrates in a horizontal plane in place of the ordinary rocking motion; the object of the invention being to avoid the canting of the crib by the weight of the child upon one side in getting in and out of it. Second, in a peculiar device for actuating the horizontally-vibrating crib. Third, in combination with the vibrating crib, of a peculiar fanning device for creating a current of air over the crib and keeping off flies.

*Description of the Accompanying Drawing.*

Figure 1 is a perspective view of a crib embodying my invention. Fig. 2 is a plan or top view of a portion of the bottom of the crib, showing the device for imparting motion to the crib. Fig. 3 is an axial section of a portion of the crib and base through the center of the connection.

*General Description.*

A is the crib or cradle, and B the stationary base or stand. The connection between the two is made by the use of a pin, C, which is rigidly secured to the bottom of the crib and rests upon a step, D, which is fastened to the base B, immediately below the hole in the base through which the pin passes. The crib is made to vibrate upon this pin C in a horizontal plane—the pin itself being vertical—and, although this motion is fully as efficacious in inducing sleep in a child as the ordinary rocking motion, the character of the motion is such that it cannot be disturbed by the movements of the child in the crib, nor can it be tipped over by the climbing of the child up its sides.

In order to impart the requisite vibratory motion to the crib in a convenient manner I have attached the following device: A treadle or toe lever, E, is pivoted at e to the stand B, the arm F of which connects, by pitman or link G, with the bottom strip H of the crib. The pressure of the foot upon the treadle pro-

duces motion of the crib in one direction, and upon this pressure being removed the crib is carried in the opposite direction by the force of the spring I which is coiled around the pin C and fastened at the end to the stand B securely. The outer end i of the spring may be secured to the strip H; but I prefer that it have a little play between the stationary pins J, in order that the crib may have a gentle easy swing; the end of the spring being coated with rubber or other elastic material to prevent noise in striking the pins.

A fan, K, is journaled, as shown, in the head rail of the crib, the shaft or spindle of it being fitted with a crank and wrist, L M. The fan has a stem which is adjustable in the spindle N, a set-screw, O, serving to secure it in any position desirable. It may also be removed altogether, if desirable. A pitman, P, is attached to the wrist M of the crank L at one end, the opposite end of it being connected, by a swivel-joint, R, to the projecting post S of the stand B. In the operation of the crib a swinging motion is imparted to the pitman P, and in consequence of this a partial rotation to and fro is given to the spindle N of the fan, which is sufficient to enable the fan to create a current of air across the crib, and also keep off flies or other insects.

When it is necessary to fasten the crib so that it cannot vibrate, the catch or lock T is swung into the recess a.

*Claims.*

1. A crib or cradle, combining in its construction a stationary base or stand, B, and a horizontally-vibrating frame or body, A, connected and operating substantially as and for the purpose specified.

2. The combination of body, crib, or cradle A, stand B, treadle E F G, and spring I, connected and operating substantially as described, and for the purpose set forth.

3. In combination with a horizontally-vibrating crib, A B, the fan K N, crank L M, and pitman P, connected to the body A and stand B, substantially as described, and operating in the manner set forth.

In testimony of which invention I hereunto set my hand.

Witnesses:

DAVID COX.

FRANK MILLWARD,  
HENRY MILLWARD.