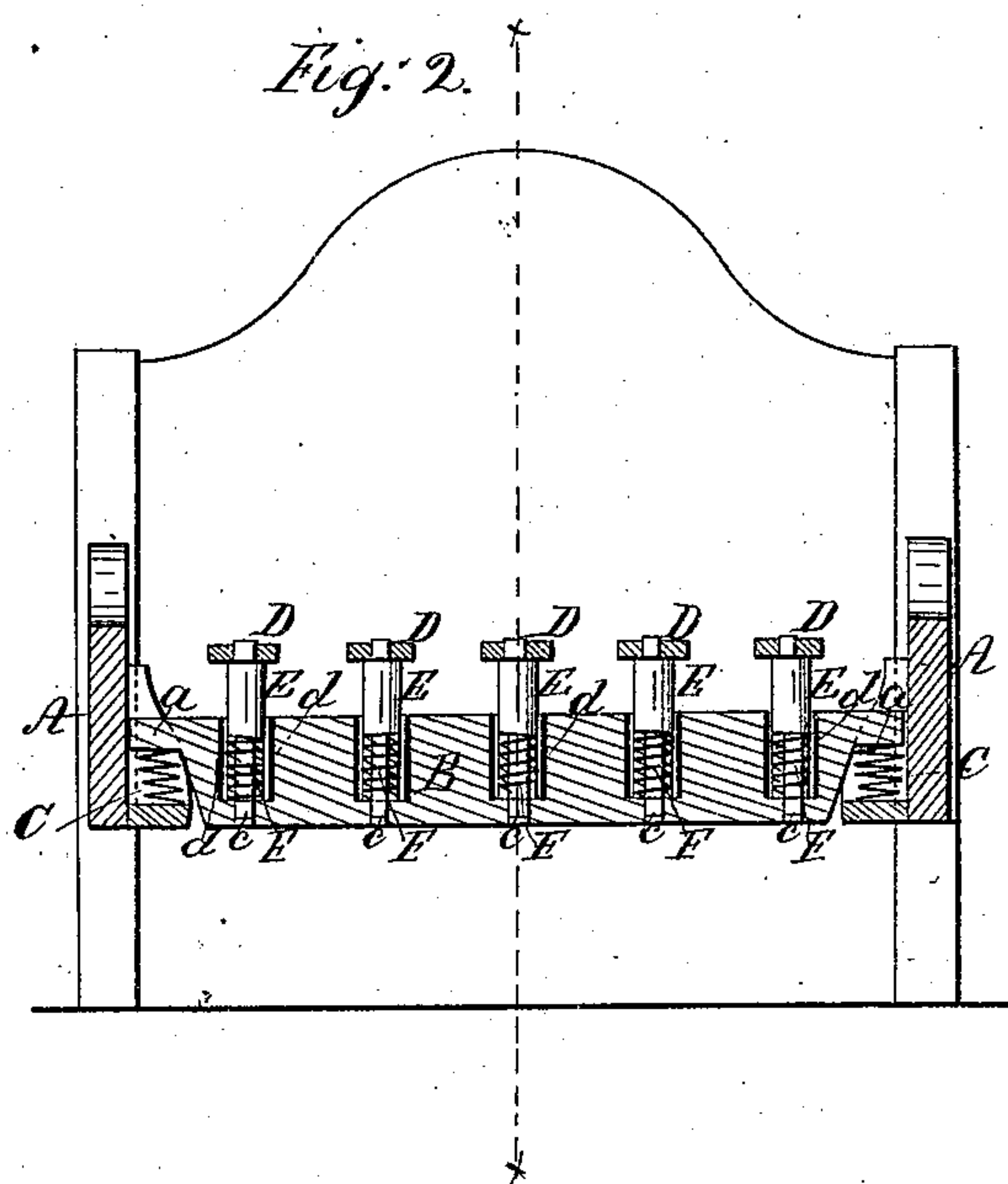
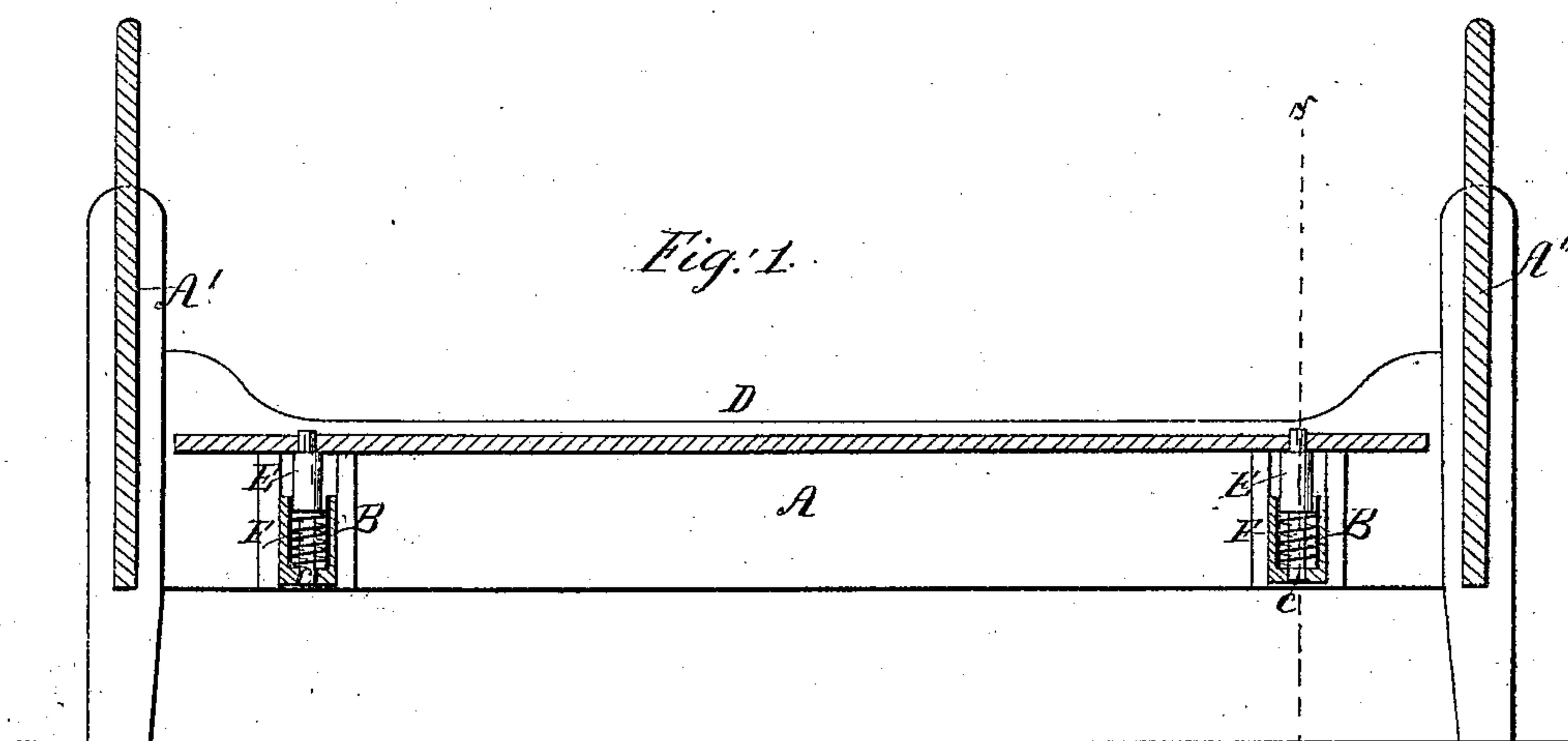


*J. B. McClanathan,*

*Bed Bottom,*

*N<sup>o</sup> 52,585*

*Patented Feb. 13, 1866.*



*Witnesses;*

*Wm. Freun  
Thos. Lush*

*Inventor;  
J. B. McClanathan  
By *[Signature]*  
Att'y*

# UNITED STATES PATENT OFFICE.

J. B. McCLANATHAN, OF HORICON, WISCONSIN.

## SPRING-BEDSTEAD.

Specification forming part of Letters Patent No. 52,585, dated February 13, 1866.

*To all whom it may concern:*

Be it known that I, J. B. McCLANATHAN, of Horicon, in the county of Dodge and State of Wisconsin, have invented a new and Improved Spring-Bedstead; 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 drawings, forming part of this specification, in which—

Figure 1 is a longitudinal section of a bedstead with my invention applied thereto, taken in the plane of the line *xx*, Fig. 2. Fig. 2 is a transverse section taken in the line *yy*, Fig. 1.

Similar letters of reference indicate like parts.

My invention consists in a novel manner of setting the cross-rails on which the slats rest, whereby they shall have a springing motion, as will be hereinafter described; and it also consists in a novel manner of setting the slats, whereby they shall have a springing motion at the points of their connection with the other parts of the bedstead, whereby I obtain a very easy and springy frame on which to place the bedding.

A represents the side rails of the bedstead-frame, and A' A'' the head and foot posts or boards of the bedstead.

B B are the transverse or end rails of the bedstead. To adapt these rails to the purposes of my invention a mortise or suitable slot for receiving them is cut into the side rails, A, near the head and foot of the bedstead, and the ends of the rails B are cut so as to leave a projecting part or shoulder, *a*. Into each of these grooves a spiral spring, C', is inserted in such manner that the ends or

shoulders *a* of the rails B will rest thereon. This arrangement enables the end rails to have a free springing motion, and this constitutes one feature of my invention.

D D are the slats of the bedstead. To each of these slats, and near each end thereof, at a point which is over the rails B B, I insert pegs or pistons E; and into the rails B B, I cut a mortise large enough to receive the body of each pin or piston E, and at the bottom of this and through the rail, I bore a hole capable of permitting to work in or through it the shanks *c* of the pegs E. F is a spiral spring, which is coiled around the shank of each pin E, one end resting against the shoulder on each pin and the other on the bottom of the mortise. The effect of this is, that upon depressing the slats the springs will give to the slats the desired springing motion.

To prevent any noise which might be caused by the rubbing or friction of the springs against the sides of the mortises, I line the mortises with leather, rubber, or some other suitable substance, *d*. (See Fig. 2.) This arrangement provides a very comfortable and easy spring-bedstead.

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

The combination and arrangement of the slats D, rails B, springs C and F, pegs or pistons E, and shanks *c*, as and for the purpose specified.

JACOB B. McCLANATHAN.

Witnesses:

HENRY M. TODD,  
BENJAMIN HARMON.