

P. C. INGERSOLL.

Bed-Bottom.

No. 160,913.

Patented March 16, 1875.

Fig. 1

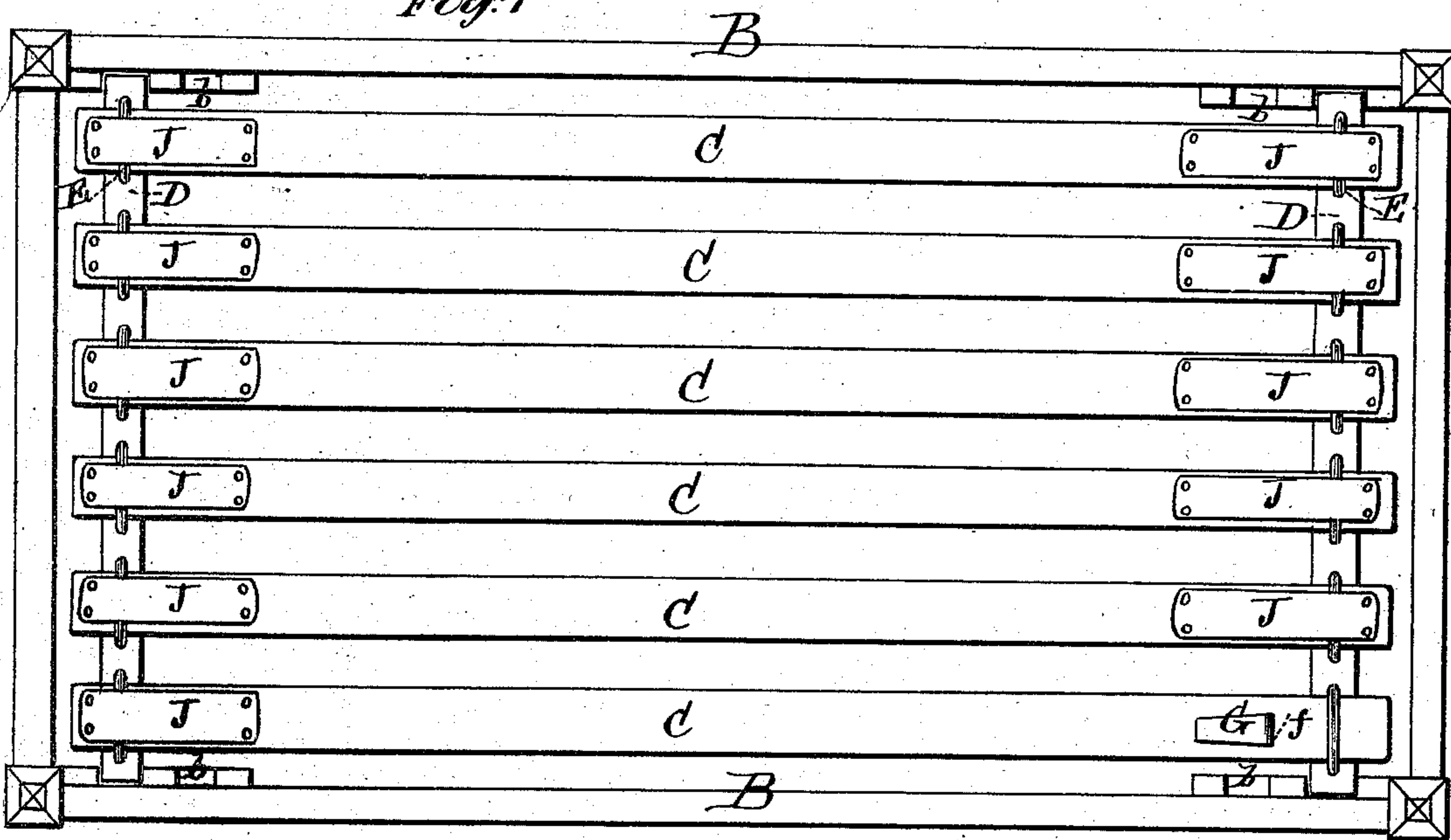


Fig. 2

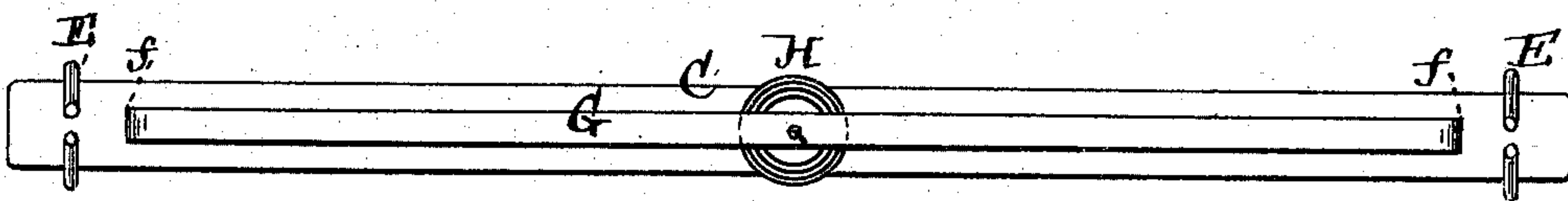
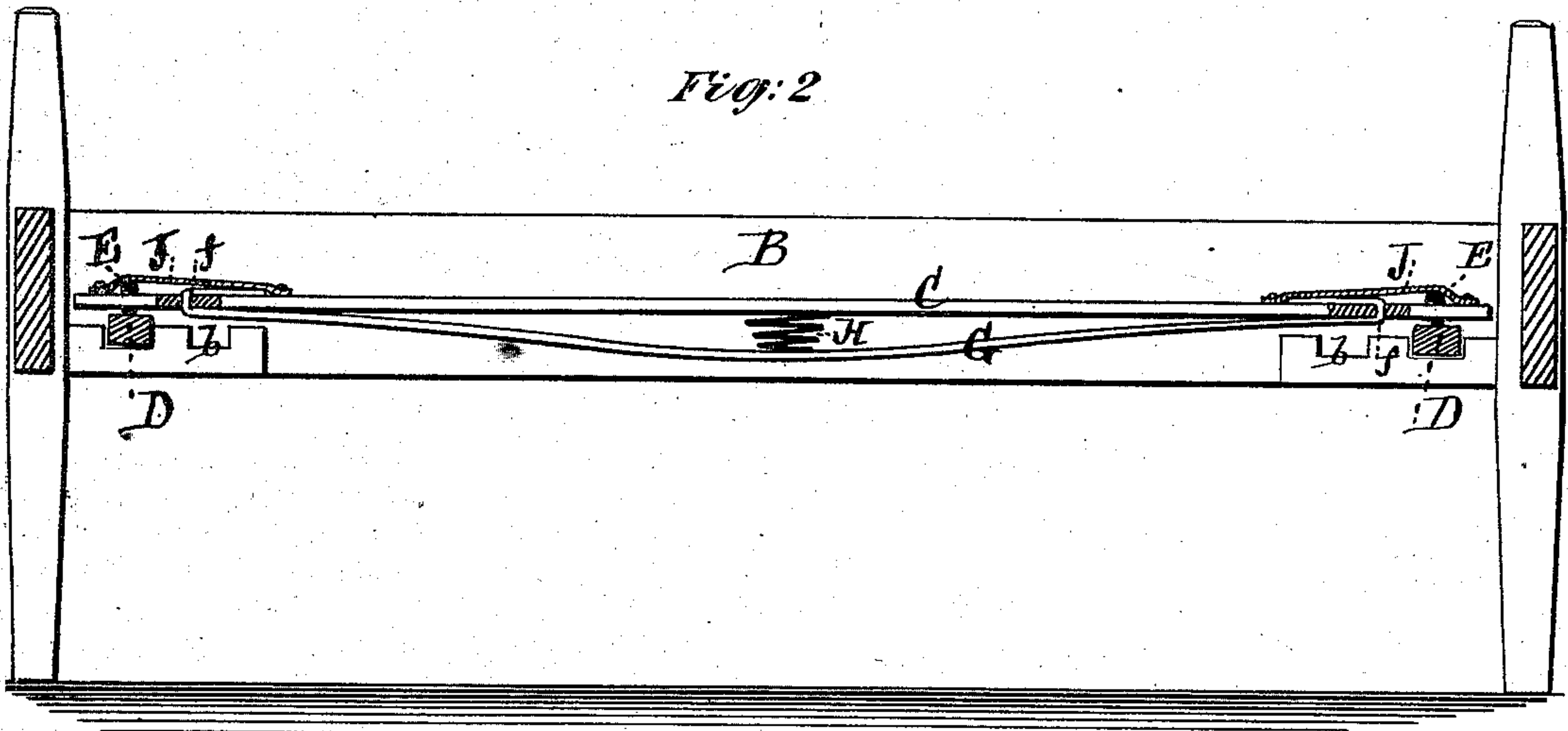
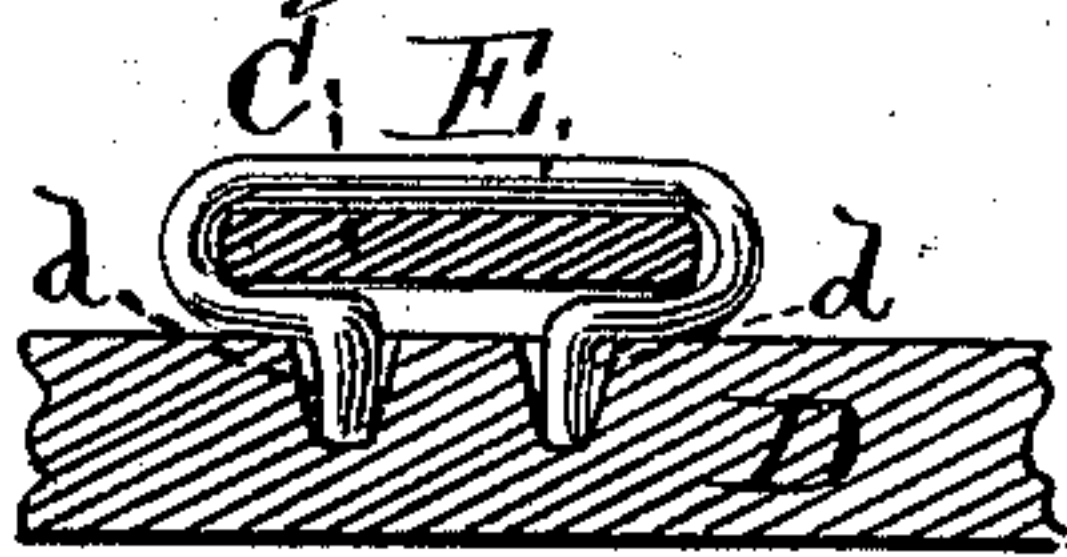


Fig. 4



Witnesses:
Michael Ryan
Fred Haynes

P. C. Ingersoll
by his attorney
Brow & Allen

UNITED STATES PATENT OFFICE.

PLATT C. INGERSOLL, OF GREEN POINT, BROOKLYN, NEW YORK.

IMPROVEMENT IN BED-BOTTOMS.

Specification forming part of Letters Patent No. 160,913, dated March 16, 1875; application filed December 10, 1874.

To all whom it may concern:

Be it known that I, PLATT C. INGERSOLL, of Green Point, in the city of Brooklyn, in the county of Kings and State of New York, have invented an Improved Bed-Bottom; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing forming part of this specification.

My invention consists in a novel mode of attaching and supporting the slats of a bed-bottom, whereby they are adapted to fit bedsteads of varying sizes, as will more fully hereinafter appear, and be pointed out in the claims.

In the accompanying drawing, Figure 1 is a top view of my improved bed-bottom applied to a bedstead. Fig. 2 is a vertical section of the same. Fig. 3 is a bottom view of the slat. Fig. 4 is an enlarged transverse sectional view.

A bedstead of any ordinary construction is provided with notches or recesses *b* in the side rails *B*, for the reception of the ends of the ordinary slats. The improved bed-bottom is composed of slats *C*, supported by bars *D*, the ends of which rest in the notches *b*. The slats *C* are attached to the bars *D* by means of loops or staples *E*, the points or ends of which are inserted in holes *d* in the bars *D*, which holes are elongated in the direction of the length of the slats, or are wider at the top than at the bottom. To the under side of each of the slats *C* is attached a strip of sheet metal, *G*, the ends of which pass upward through slots *f*, and are turned down and nailed or otherwise fastened on the upper side of the slat. Between the slat *C* and the strip *G*, midway between the ends, is a conical volute spring, *H*, secured in place in any suitable manner, so as to give the proper degree of elasticity to the slat when it is bent down, the strip *G* serving to support the spring, and also to strengthen the slat.

By this construction the slat may be made much thinner and lighter than the ordinary slat, and at the same time be quite as strong and much more elastic.

The loop or staple *E* has its ends bent inward and then downward, so as to form an elongated eye, similar in shape to the end of the slat, so as to be readily placed thereon, as

shown in Fig. 4, the ends of the wire forming stems or shanks for the loop or staple, and resting in the tapering holes *d*, so that when the slat is in place above the bars *D* it is firmly supported thereby, and at the same time the loop is allowed to oscillate slightly in the direction of the length of the slat when said slat is bent up and down, thereby preventing any creaking of the same. The loops or staples are prevented from slipping off the slats by means of strips *J* of webbing, leather, or other suitable material, which also allow of the loops being moved along, to enable them to engage with the bars *D* when said bars are resting in the notches *b*.

By means of this arrangement the bed-bottom may be applied to bedsteads of different lengths, as the bars *D* may be adjusted to correspond with the location of the notches in the rails.

The strips *J* serve the further purpose of protecting the mattress or bedding from contact with the portions of the loops *E* which lie on the upper side of the slat, and thus prevent wear resulting therefrom.

A bed-bottom constructed according to my invention may be adapted to any bedstead, in whatever position it may be necessary to place the bars *D*. It is light, cheap, durable, and noiseless. Owing to the peculiar construction and arrangement, as above described, the parts may be separated with ease, and packed in a small space for transportation, or set aside out of the way when not in use.

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

1. The combination of the slats *C*, bars *D*, and loops or staples *E*, substantially as described, the latter being constructed and arranged to embrace and bear upon the slats, and to be adjusted along them, as and for the purposes described.

2. The strips *J* of leather or other fabric, in combination with the slats *C* and loops or staples *E*, substantially as and for the purpose shown and described.

PLATT C. INGERSOLL.

Witnesses:

MICHAEL RYAN,

BENJAMIN W. HOFFMAN.