

J Horner,

Bedstead Fastening.

N^o 67,304.

Patented July 30, 1867.

Fig. 1.

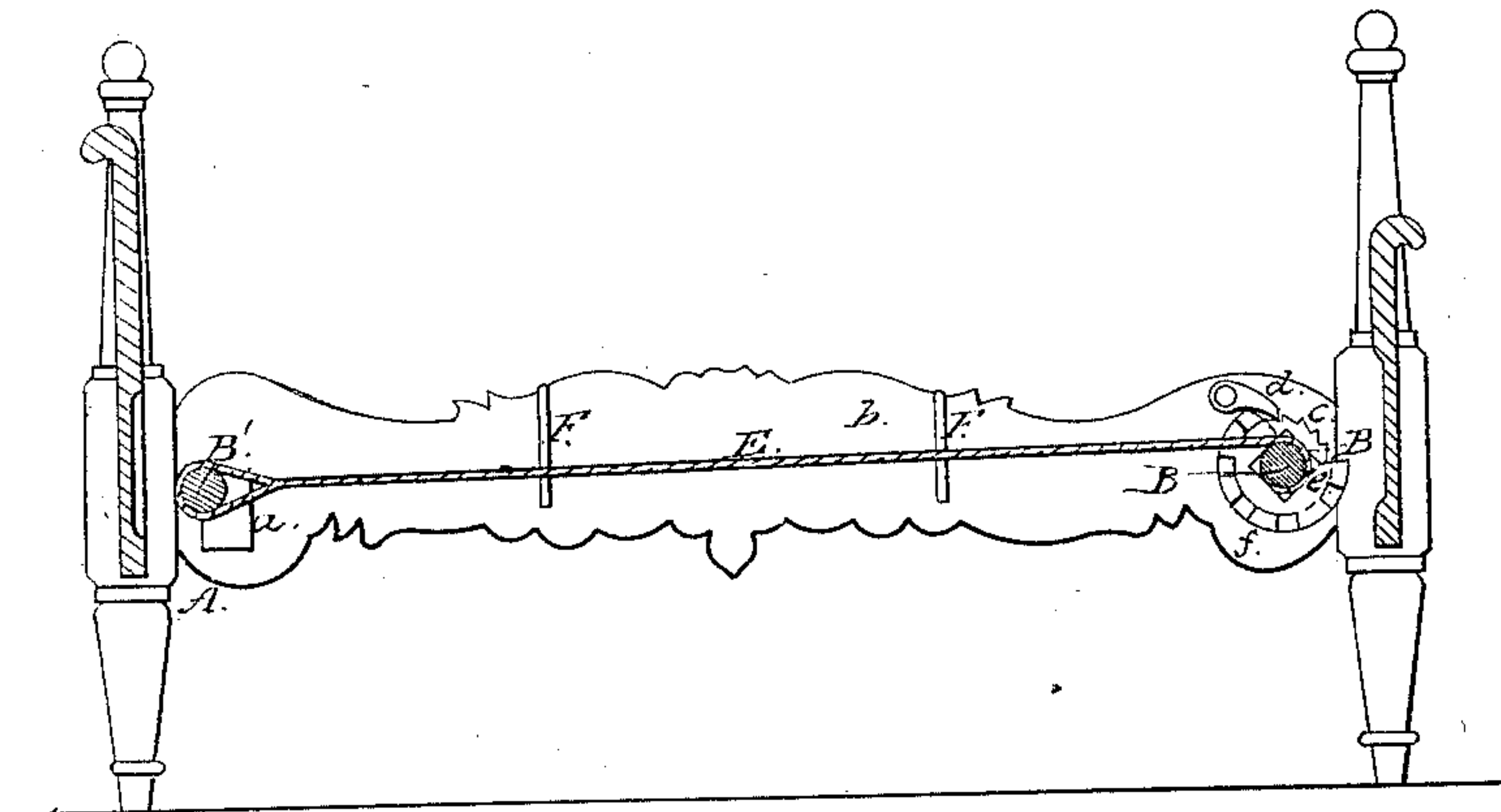
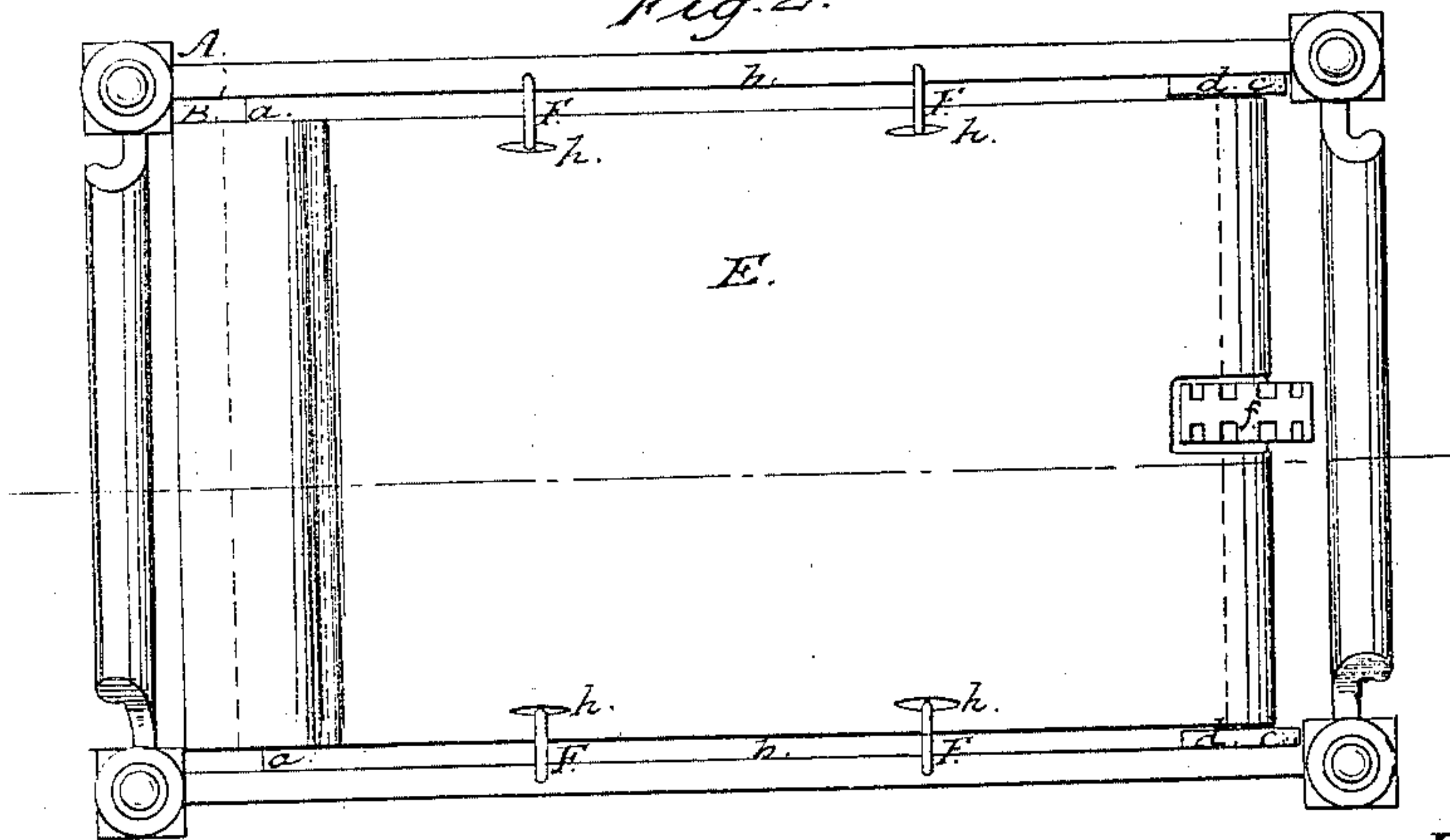


Fig. 3.



Fig. 2.



Witnesses:
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United States Patent Office.

JOSEPH HORNER, OF NEW BRUNSWICK, NEW JERSEY.

Letters Patent No. 67,304, dated July 30, 1867.

IMPROVED BEDSTEAD.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, JOSEPH HORNER, of New Brunswick, in the county of Middlesex, and State of New Jersey, have invented a new and improved Windlass Bedstead; and that the following description, taken in connection with the accompanying drawings, hereinafter referred to, forms a full and exact specification of the same, wherein I have set forth the nature and principles of my said improvements, by which my invention may be distinguished from all others of a similar class, together with such parts as I claim, and desire to have secured to me by Letters Patent.

This invention relates to a new and improved mode of securing the sacking-bottom to bedsteads, whereby said bottom may be very readily applied and detached, and, when applied, tightened up with the greatest facility. In the accompanying sheet of drawings—

Figure 1 is a side sectional view of my invention taken in the line *x x*, fig. 2.

Figure 2 a plan or top view of the same.

Figure 3 a detached view of a forked plate used in turning the windlass or cylinder.

Similar letters of reference indicate like parts.

A represents a bedstead, which may be constructed in any of the known forms, and B B' are two cylinders, which may be of wood, and have their ends fitted in bearings *a* secured to the inner surfaces of the side rails *b* of the bedstead, one roller being at the head and the other at the foot of the bedstead, as shown clearly in fig. 1. The cylinder B has a ratchet-wheel, *c*, on each end of it, and into these wheels pawls *d* attached to the side rails *b* catch, and on the centre of the cylinder B there is a square, *e*, to receive a metal wheel, *f*, the sides of which are notched or grooved to receive the prongs of a forked plate, C, at the end of a lever, D; (see fig. 3.) E is the sacking-bottom, one end of which is attached to the cylinder B, and the other end to the cylinder B'. This sacking-bottom is stretched perfectly taut, by turning the cylinder B through the medium of the forked plate C and the grooved wheel *f*. The sacking-bottom E is prevented from contracting laterally under the tension caused by the winding of it upon the cylinder B by bent or hooked rods F, which are driven in or attached to the side rails *b b*, and pass through oblong slots *h h* in the sacking-bottom, the slots *h h* being sufficiently long to admit of a requisite longitudinal movement of the apron without interfering with the bent rods or hooks. These bent rods or hooks perform a very important function, for without them the sacking-bottom would be materially contracted in width while being stretched.

The sacking-bottom may be removed at any time by simply throwing back the pawls *d* from the ratchets *c*, so as to relax or slacken the bottom, and then raising the cylinders out from their bearings *a*.

I am aware that windlass-bedsteads, or those having their sacking-bottoms attached to windlasses, have been previously used, and I therefore do not claim broadly such device, but I do claim as new, and desire to secure by Letters Patent—

Attaching the front and rear ends of the sacking-bottom E to cylinders B B', which are fitted in bearings *a* attached to the side rails *b* of the bedstead, at the head and foot portions thereof, in combination with the grooved wheel *f* and forked plate C, ratchets *c*, and pawls *d*, all arranged and applied substantially as shown and described.

I also claim the bent rods or hooks F, attached to the side rails *b* of the bedstead, and passing through oblong slots, *h*, in the sacking-bottom, substantially as and for the purpose specified.

I further claim the combination of the sacking-bottom, cylinders, pawls, and ratchets, grooved wheel and forked plate, and the bent rods or hooks, all arranged and applied to a bedstead, substantially as and for the purpose set forth.

JOSEPH HORNER.

Witnesses:

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