Peters & Le Row.

Invalid Bedstead.

No. 108,622. Patented Oct. 25. 1870.

Fig. 1.

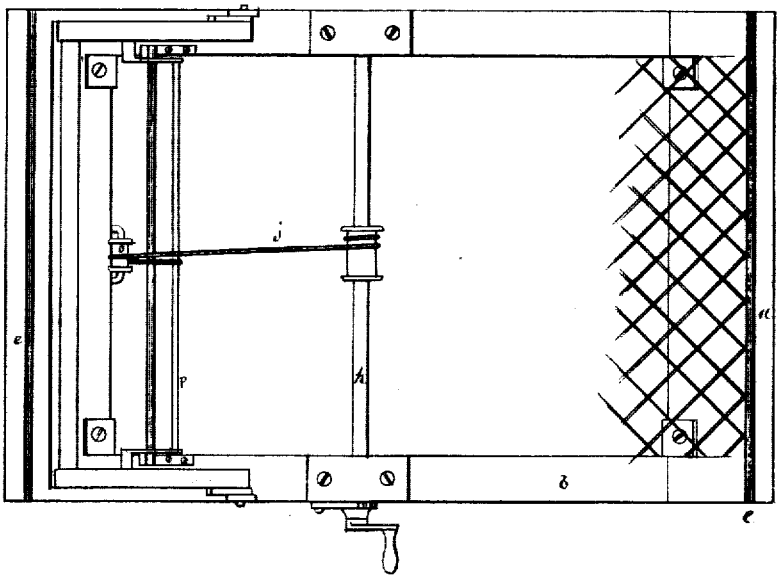
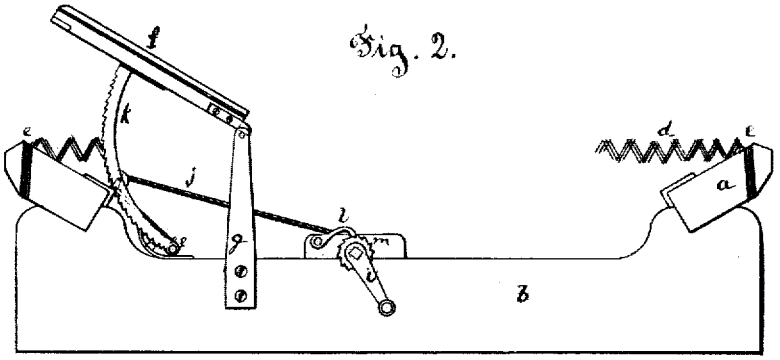


Fig. 2.



Witnesses.

A. Moore

D. Rowe

Inventor.

S. William C. Peters

William A. Le Row.

United States Patent Office.

J. WILLIAM C. PETERS AND WILLIAM A. LE ROW, OF CHICAGO, ILLINOIS.

Letters Patent No. 108,622, dated October 25, 1870.

IMPROVEMENT IN BEDS AND BED-BOTTOMS.

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

To all whom it may concern:

Be it known that we, J. WILLIAM C. PETERS and WILLIAM A. LE ROW, of the city of Chicago, in the county of Cook and State of Illinois, have invented a new and improved Metallic Spring-Bottom Hospital-Bed with Adjustable Bolster; and we do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon, making a part of this specification.

The nature of our improvements and inventions consist in the following features, to wit:

Figure 1 is a top view.

Figure 2 is a side sectional view.

To enable others skilled in the art to make and use our inventions and improvements, we will proceed to describe their construction and operation, and the mode of applying the same.

The wire interwoven bed-bottom, now in general use, is stretched upon a frame, composed of side-pieces and end-pieces, of the peculiar and improved shape shown in fig. 1 of the accompanying drawing.

The end-pieces *a* are let into the ends of side-pieces *b*, and held in place, first, by a screw-bolt running through all from top to bottom, and principally by means of the inside angle irons *c*, which bear on the under edge and inside of side pieces, and on the under edge and top side of end pieces, said irons having a quarter-turn between said bearing surfaces, thus binding all together with great firmness, said irons to be retained in place by screws or rivets.

The wire-webbing *d*, stretched over said frame, and bearing upon the upper edges of the head and foot-pieces, is retained in position by a stout batten, screwed over the ends thereof to the said head and foot-pieces, and the joint or seam effectually closed by the use of India-rubber packing or other composition, or cement packing *e*, thus effectually excluding vermin.

The adjustable bolster *f* is to be of same wire-webbing, in a frame of three sides of the width of the bed, and in height about two-fifths of the length thereof, so placed that when flat it comes even with the head of the bed-bottom.

The ends of the side-pieces of bolster-frame hinge or pivot on the top of metallic standards *g*, springing from the side-pieces of bed-frame at the height of the surface of the bed when at its natural level.

The bolster is to be raised either by hand or by means of a windlass, *h*, shaft running across under the webbing from one side to the other, rotated by means of a common bed-wrench or key, *i*, and held in place by a pawl, *l*, and ratchet-wheel *m*, which operates a band running around a pulley, *o*, fixed on the inside of head-piece of bed-frame, and made fast to the transverse connecting-rod *p*, of the lower ends of two metallic arcs *k*, attached to each side of the bolster-frame, which serve to steady it and keep said bolster at any desired elevation by means of said exterior edges of said arcs being toothed and retained by pawls placed on the head-piece of the bed-frame.

What we particularly claim as our inventions and improvements, and desire to secure by Letters Patent, is—

The bed-frame, with suitable angle-irons combined with woven metallic wire, the wire being set in rubber or cement at the ends, an adjustable bolster, regulated by a rod, and pawl, and shaft, and cord, as and for the purpose specified.

J. WILLIAM C. PETERS. [L. S.]
WILLIAM A. LE ROW. [L. S.]

Witnesses:
HORATIO L. WAIT,
ERVIN A. JOHNES.