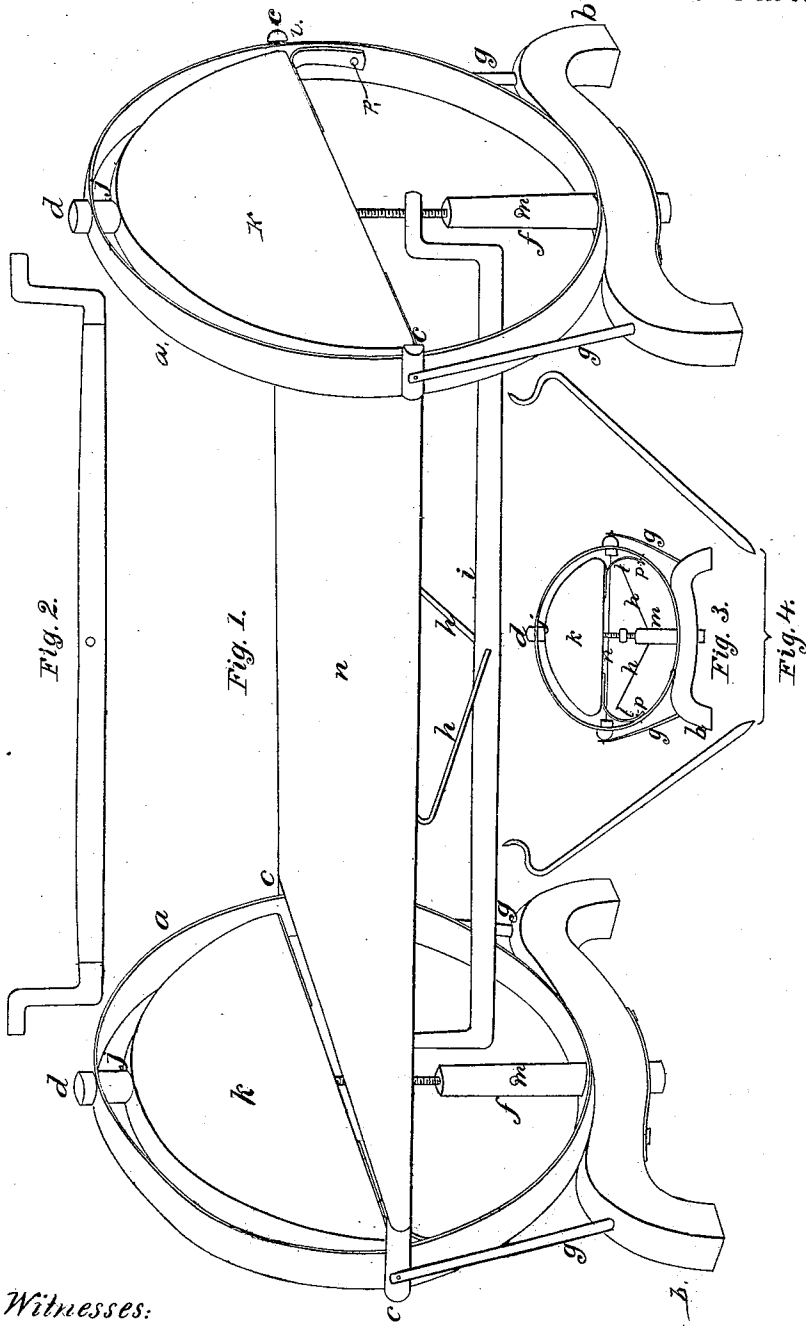


*N. Lannhear,*

*Bedstead,*

*No 20,723,*

*Patented June 29, 1858.*



*Witnesses:*

*W. Forbes Elliot*  
*A. Massey*

*Inventor.*

*Norman Lannhear*

# UNITED STATES PATENT OFFICE.

N. LANPHEAR, OF MONMOUTH, ILLINOIS.

## BEDSTEAD.

Specification of Letters Patent No. 20,723, dated June 29, 1858.

*To all whom it may concern:*

Be it known that I, NORMAN LANPHEAR, of Monmouth, in the county of Warren and State of Illinois, have invented a new and Improved Arrangement for Stretching and Securing Permanent Elasticity in the Bottoms of Bedsteads, Sofas, Seats, &c.; and I declare the following to be a full and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon.

The nature of my invention will be understood by the drawings and claim.

The drawings constitute a part of this specification.

Figure 1 is a perspective view of bedstead. Fig. 2 center or crank shaped rail; Fig. 3 end view of bedstead; Fig. 4 form of springs under bottom of bedstead.

*a a* circular or elliptical springs, to which rails are attached as seen *c c c c*. These springs are made of a single leaf of spring steel, or they can be made of wood, and are mounted upon the bed pieces *b b*, which serve as legs or feet. *d d* upright rods passing downward from top of springs *a a*. *f f* swivels to receive rods *d d*. *i* center rail, which is raised or lowered by means of rods *d d*. This form of rail is also used for side rails in some instances. *h h* center springs or those used under bottom. From two to six of this form of springs are used according to circumstances. One end of these

springs rests in a hole in the center rail, and the other end grasps the side rails or are secured to them.

*g g g g* are braces to keep bedstead from rocking. *k k* head and foot boards. *j j* thimbles or blocks between boards *k k* and springs *a a*. *l l l l* springs to keep boards *k k* in place. *n* bottom of bedstead secured to side rails.

By turning the rods *d d*, or swivels *f f*, the springs *a a* can be reduced in diameter vertically, and their diameters increased horizontally. Also the center rail is raised or lowered by means of said rods. By this arrangement the bottoms of bedsteads, sofas seats &c. can be stretched to any degree of tension required, and elasticity in the same permanently secured. By turning the rods *d d* and swivels *f f* the same way at the same time the center rail can be raised or lowered without effecting the springs *a a*.

I do not claim the invention of circular or elliptical springs; but

I do claim—

The arrangement of those parts of bedstead with each other which serve for stretching and securing permanent elasticity in the bottoms thereof in the manner and by the means specifically set forth.

NORMAN LANPHEAR.

Witnesses:

V. FORBES ELLIOT,  
JOHN W. FIELD.