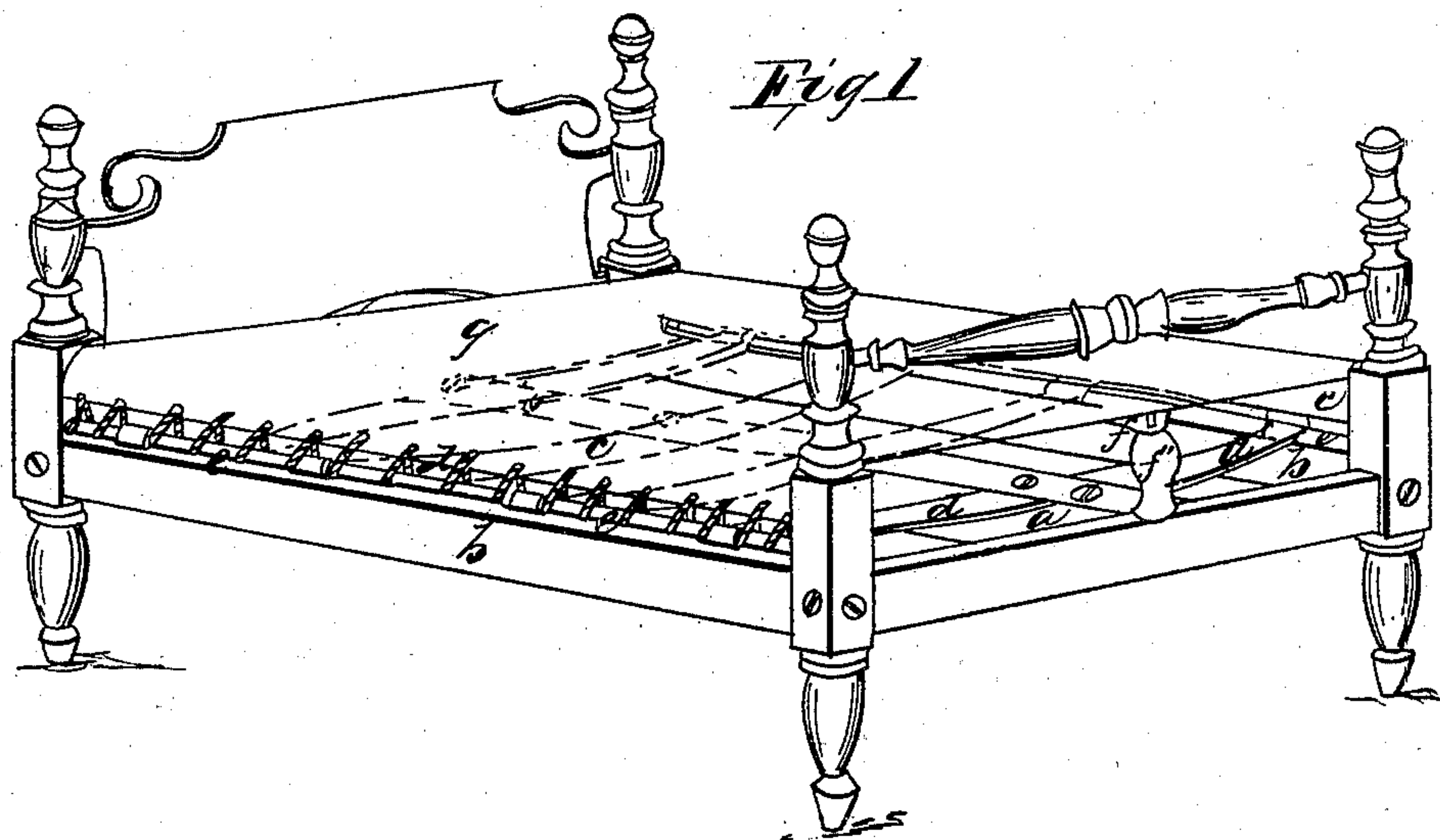


J. MORRIS.
BED BOTTOM.

No. 3,162.

Patented July 8, 1843.



UNITED STATES PATENT OFFICE.

JOHN MORRIS, OF DERBY, CONNECTICUT.

BEDSTEAD.

Specification of Letters Patent No. 3,162, dated July 8, 1843.

To all whom it may concern:

Be it known that I, JOHN MORRIS, of Derby, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Bedsteads; and I hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, which forms a part of this specification, in which—

Figure 1 is a perspective view.

The nature of my invention consists in placing springs under the sacking bottom of a bedstead in such a way as to form an elastic bed; the center of the springs being fastened to a rail, that is attached to the head and foot rail at their center, the ends of the said springs being fastened to the sides of the sacking, which is stretched over two rollers extending from the head to the foot posts, one on each side.

The bedstead with my improvement attached is constructed somewhat similar to those in common use; a center rail (*a*) being added, parallel with, and equidistant from, the side rails (*b*): over the side rails, there are rollers (*c*) which turn on gudgeons let into the head and foot posts. To the center rail any number of springs (*d*) are affixed by their centers; the ends of these springs extend out on each side under the rollers (*c*), where they are bent into an eye, through which a rod (*e*) runs; to one of these rods the sacking (*g*) is fastened and passes up over one of the rollers (*c*), from thence it crosses over to the roller, and is

connected with the rod under it by a lacing or otherwise, so as to be drawn sufficiently tight.

When a double bed is wanted, a strap (*f*) is attached to the middle, of the sacking, running from head to foot which can be fastened to an upright projection (*f'*) from the head and foot rails, at each end; these sustain the center of the sacking and prevent its sagging at that place.

A modification of this improvement can be made by substituting spiral springs for those before described, said springs being attached to the center rail, and connected with the sacking in any convenient manner.

The strength of the springs should be proportioned to the weight they are to bear the lightest being placed at the foot, those next in strength at the head, and the strongest between them. A construction of this kind forms an agreeable substitute for a bed and in warm climates will be found much cooler.

What I claim as my invention and desire to secure by Letters Patent is—

The combination of the springs (*d*) rollers (*c*) and sacking (*g*) in the manner and for the purpose herein specified. I also claim in combination with the above the center strap, for sustaining the sacking at that point, as above described.

JOHN MORRIS.

Witnesses:

J. J. GREENOUGH,
JOHN HITZ.