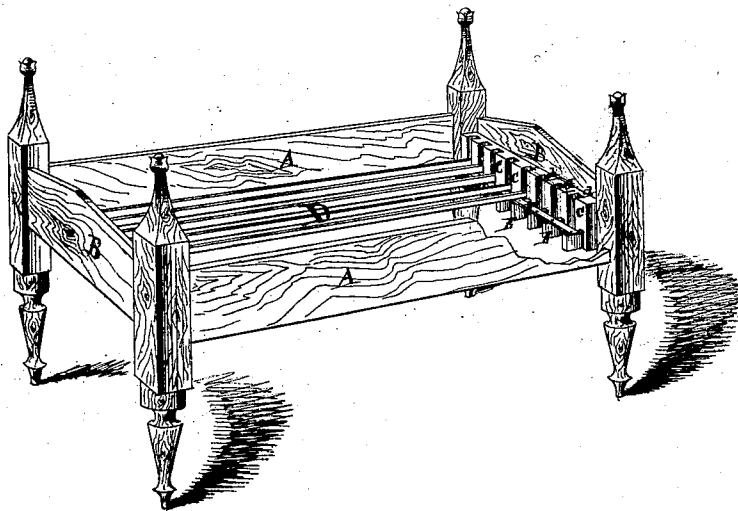


*J. H. Quackenbush,*

*Bed Bottom.*

*No. 110284.*

*Patented Dec. 20, 1870.*



ATTEST

*H. F. Everts*  
*Notary*

INVENTOR

*J. H. Quackenbush*  
*per attorney*  
*Wm. S. Spence*

# United States Patent Office.

JAMES HENRY QUACKENBUSH, OF LUDDINGTON, MICHIGAN.

Letters Patent No. 110,284, dated December 20, 1870.

## IMPROVEMENT IN SPRING-BED BOTTOMS.

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

### *To whom it may concern :*

Be it known that I, JAMES HENRY QUACKENBUSH, of Luddington, in the county of Mason and State of Michigan, have invented a new and useful Improvement in Spring-bottom Bedsteads; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon and being a part of this specification, in which my improved bedstead is shown in perspective.

The nature of this invention relates to an improved construction of a bedstead, so arranged that the slats which form the bottom, upon which to place the mattresses, will have a vertical spring.

The invention consists in the arrangement and combination of the various parts, as more fully hereinafter described.

In the accompanying drawing—

A represents the side rails, and B the head and foot-boards of a bedstead of ordinary construction.

To the head and foot-boards, and upon the inner sides thereof, are secured, in a vertical position, the

ribs C, the spaces *a* between which are of the width of the bottom longitudinal slats D.

The ribs are provided with shoulders E upon the top, to which is secured the elastic strap F, upon which the ends of the horizontal bottom slats D rest.

When the weight of persons occupying the bed is imposed thereon, the elastic strap allows a vertical springing motion of the slats, which are retained in place by the ribs, the whole forming a very economical and easy spring-bed.

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

The ribs C, provided with shoulders E and the elastic strap F, in combination with the head and foot-boards of a bedstead, and the bottom slats D, when arranged to operate as herein set forth.

JAMES HENRY QUACKENBUSH.

Witnesses :

LEVI SHACKELTON,  
JOHN B. LOZO.