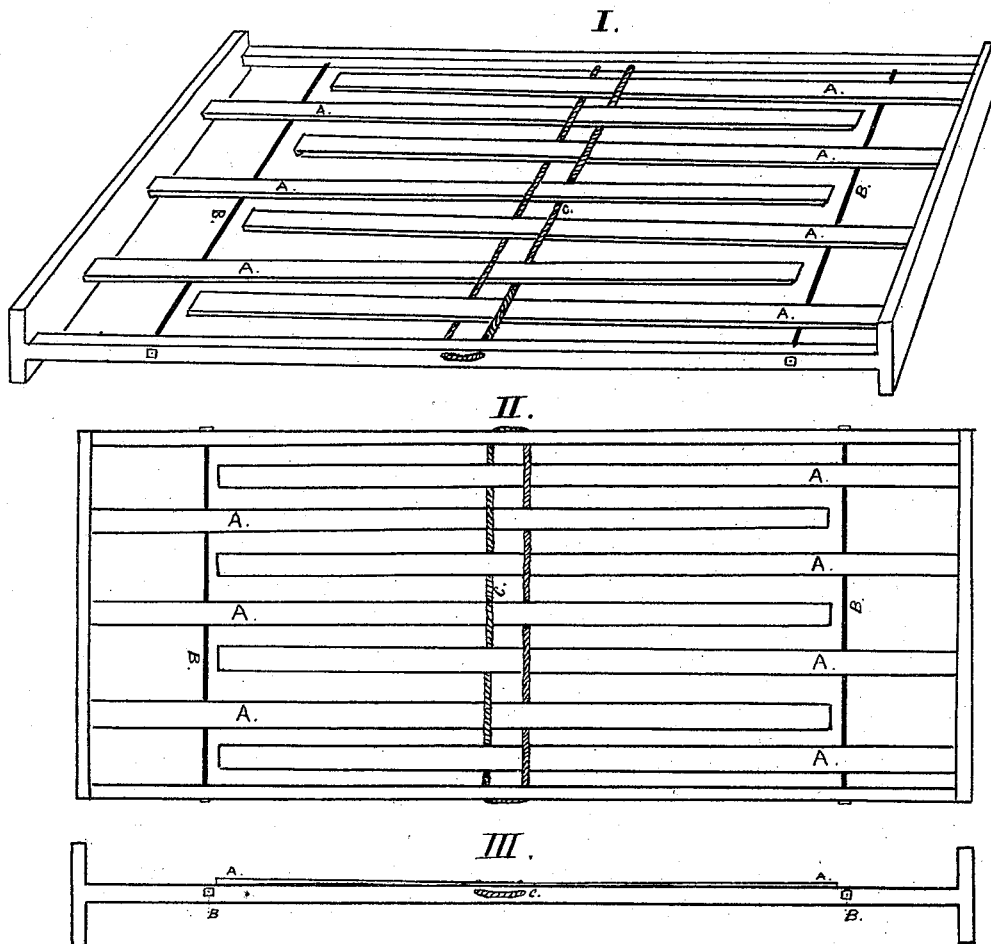


*C. Valkmar,*

*Bed Bottom.*

*No. 109,852.*

*Patented Dec. 6, 1870.*



Witnesses—

*Nels. Arvids,*  
*Louis Valkmar,*

*Inventor,*  
*Chas. Valkmar.*

# United States Patent Office.

CHARLES VALKMAR, OF NEW YORK, N. Y.

Letters Patent No. 109,852, dated December 6, 1870.

## IMPROVEMENT IN BED-BOTTOMS.

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

I, CHARLES VALKMAR, of New York, in the county of New York and State of New York, have invented certain Improvements in Bed-Bottoms, of which the following is a specification.

My invention consists in a novel mode of applying a lever-bar with an elastic or flexible fulcrum, which, through a balanced counter action, produces an elastic or spring-bed bottom.

Figure I is a perspective view embodying my invention.

Figure II is a plan of the same.

Figure III is a side elevation.

A is a plain bar, one terminus of which is held by a cavity in the end of the bed-frame, and supported at a short distance from thence by means of a steel bar, B, so producing an elastic fulcrum lever-bar.

Taking three or more bars of the above description, extending alternately from the opposite ends of the bed-frame, they being balanced by means of a double rope, C, attached at a right angle to said bars across

the center of the bedstead, intertwining each bar, and so producing a balancing counter action, said arrangement or construction to be attached either directly to the bedstead, or on a portable frame-work.

### Claim.

I claim as my invention—

A bed-bottom, composed of the plain slats or bars A, two steel fulcrum bars B, and the rope C, the slats or bars A extending alternately from the opposite ends of the bed-frame, so forming two opposing sets, the two steel bars B producing the elastic or spring fulcrum, one steel bar to each set of slats, all the slats to be united and balanced by means of the rope C, substantially and for the purpose hereinbefore set forth.

CHAS. VALKMAR.

Witnesses:

NELS. ARVIDO,  
LOUIS VALKMAR.