

H. S. CATE.  
Bed-Bottom.

No. 202,149.

Patented April 9, 1878.

Fig. 1.

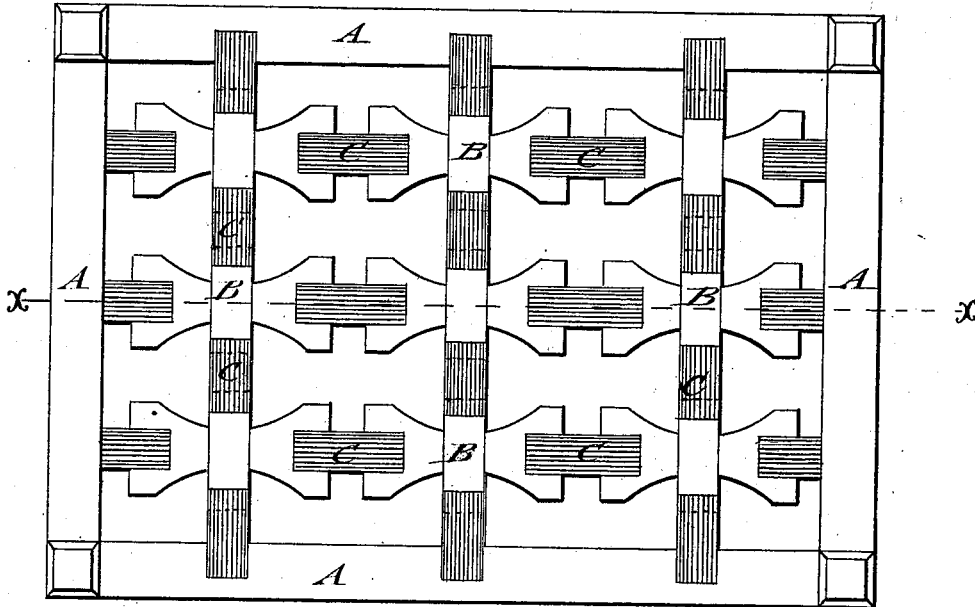
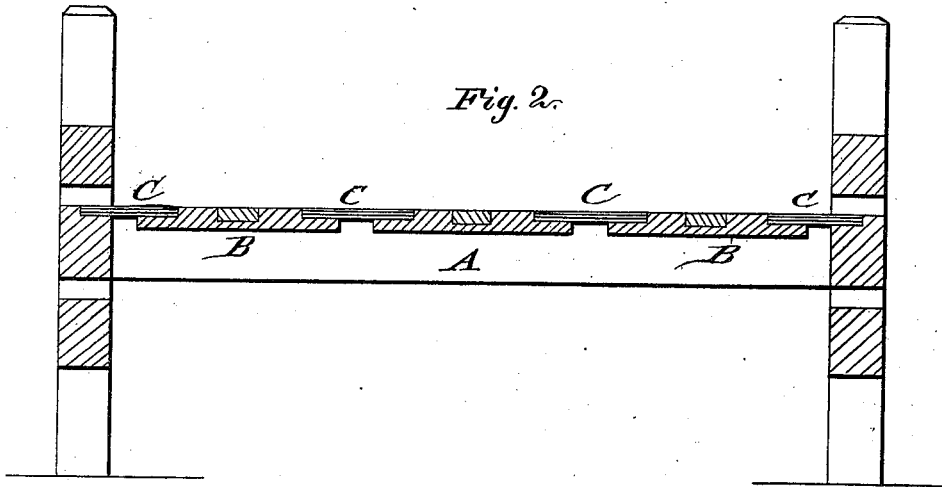


Fig. 2.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

HENRY S. CATE, OF MILLERSTOWN, (BARNHART'S MILLS P. O.,) PA.

## IMPROVEMENT IN BED-BOTTOMS.

Specification forming part of Letters Patent No. **202,149**, dated April 9, 1878; application filed March 14, 1878.

*To all whom it may concern:*

Be it known that I, HENRY S. CATE, of Millerstown, (Barnhart's Mills P. O.,) in the county of Butler and State of Pennsylvania, have invented a new and Improved Bed-Bottom, of which the following is a specification:

In the accompanying drawings, Figure 1 represents a top view, and Fig. 2 a vertical longitudinal section on line *x x*, Fig. 1, of my improved bed-bottom.

Similar letters of reference indicate corresponding parts.

The invention relates to an improved bed-bottom of superior elasticity, that yields at any point thereof in uniform manner; and the invention consists of a number of cross-shaped pieces, connected with each other in longitudinal and transverse directions, and with the outer frame of the bed-bottom by rubber strips attached to the cross-shaped pieces.

Referring to the drawings, A represents the frame of my improved bed-bottom, and B a number of cross-shaped pieces or links, that are connected, in longitudinal and transverse directions, by elastic connecting-strips C, with each other and with the frame A of the bed-

bottom. The elastic strips are secured, in any suitable manner, to the cross-shaped pieces or links, they being preferably set into recesses of the same so as to be flush therewith and with the frame A. The cross-shaped pieces may be made with enlarged or broader ends, so as to obtain a larger bearing-surface for the mattress. The strips impart to the cross-pieces a uniform degree of elasticity and flexibility at any point of the bed-bottom, and furnish a comfortable and yielding spring bed-bottom of simple construction without the employment of the usual metallic springs.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The combination, with frame A, of intermediate cross-shaped pieces or links B, connected longitudinally and transversely by elastic strips C, with each other and with the frame, substantially as and for the purpose set forth.

HENRY S. CATE.

Witnesses:

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