C. Bradway,

Bed Bottom

No. 92,787. Patented July 20. 1869.

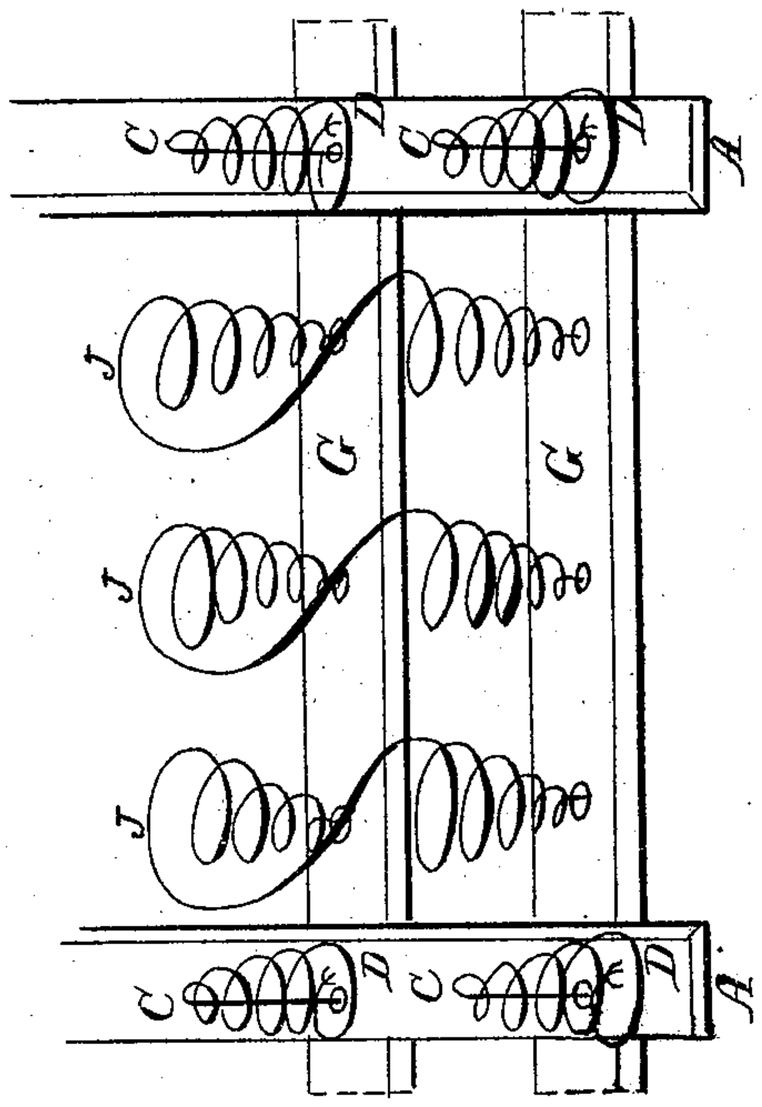


Fig. 2.

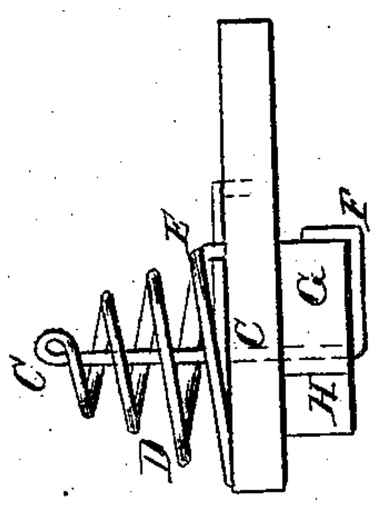


Fig. 3.

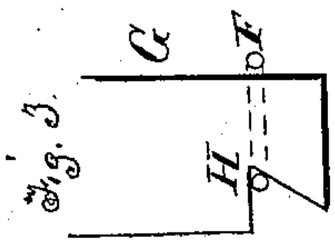
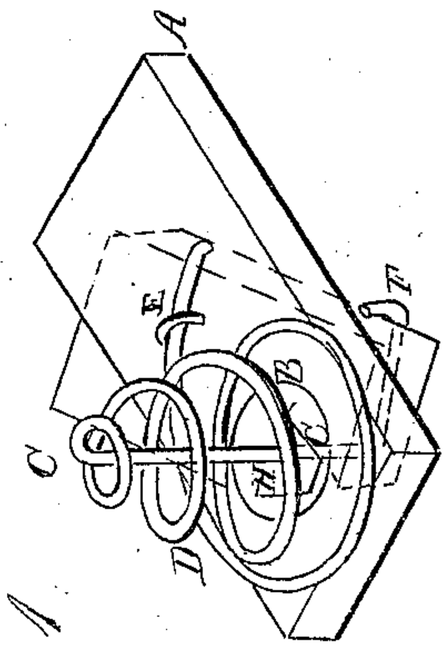


Fig. 1.



Witnesses

Daniel Reigard.

Fdk Mc Farley.

Charles Bradway Inventor.

By his Atty J. F. Reigard

United States Patent Office.

CHARLES BRADWAY, OF MAQUOKETA, IOWA.

Letters Patent No. 92,787, *dated July* 20, 1869.

IMPROVED BED-BOTTOM.

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

To all whom it may concern:

Be it known that I, CHARLES BRADWAY, of Maquoketa, Jackson county, State of Iowa, have invented new and useful Improvements in Bed-Springs; and I do hereby declare the following to be an exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification, in which—

Figure 1 represents a top view, and

Figure 2, a side view of the bed-spring.

Figure 3, the notched slat.

Figure 4 represents a view of the side and cross-slats with their side and centre springs.

The nature of my invention consists in the passing of the inverted stems of the spiral springs through holes in the side-rails of a bedstead, and forming the lower ends of the stems into stirrups, for the reception of the ends of the cross-rails, that are the main-body springs, and are notched at the ends, so as to be held permanently by the stirrups.

A represents the side-rail, with a round aperture, B, for the stem C of the spiral spring D to play in loosely.

The one end of the spiral spring is attached permanently to the side-rail A, by being driven into the rail, and held to its place on the top of the rail by a clip, E.

The spiral spring D is formed of one wire, having an inverted stem extending from the top of the conical spiral through the centre, passing through the aperture B, and bent in a square stirrup, F, underneath the side-rail, and in which the main-body spring or cross-slat G fits firmly and tightly. This lower body-slat G is notched at its end in an angular notch, wider at the outer end, something similar to a half dovetail, and the stirrup F fits tightly around the narrow side of the notch H, and rests against the shoulder of the notch, braces, clasps, and holds the end of slat G firmly and permanently, to prevent any lateral movement, whilst it yields with the spiral spring in an easy up-and-down motion, making a bed much more elastic to rest upon, and also not so liable to break or injure the spiral spring by a sudden or heavy pressure.

The slats G extend across the bedstead at right angles with the side-rails A, giving to the bedstead an even and regular spring, and always keeping a level position without any sagging.

The centre spiral springs J are connected springs, commonly used on bedsteds, and are attached to the cross-slats G, (between the side-rails A,) and upon which the bed rests with an even and regular pressure.

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

1. The cross-slats G, in combination with the side-bars D, the suspending-springs C, and the intermediate springs J.

2. Suspending the cross-slats G, by their notched ends H, to the stirrup ends F of the spiral-spring stem C, as herein described, and for the purpose set forth.

CHARLES BRADWAY.

Witnesses:

W. W. MCCARRON,

T. WILBUR.