

J. Collins.

Bed Bottom.

Nº 91,913.

Patented Jun. 29, 1869.

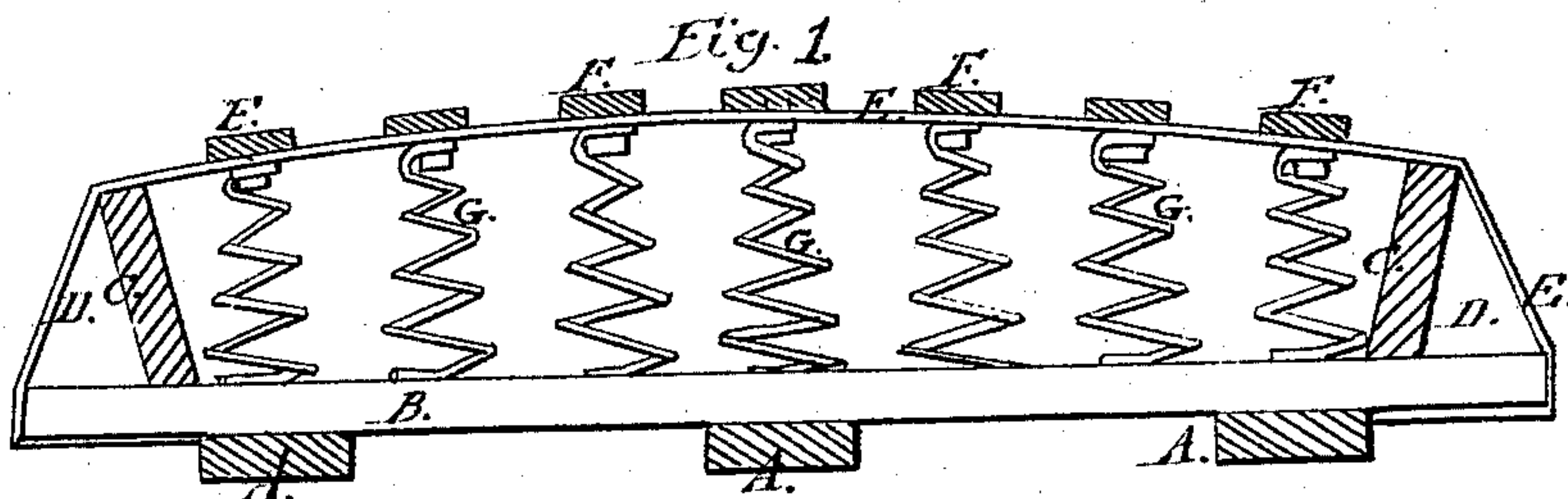
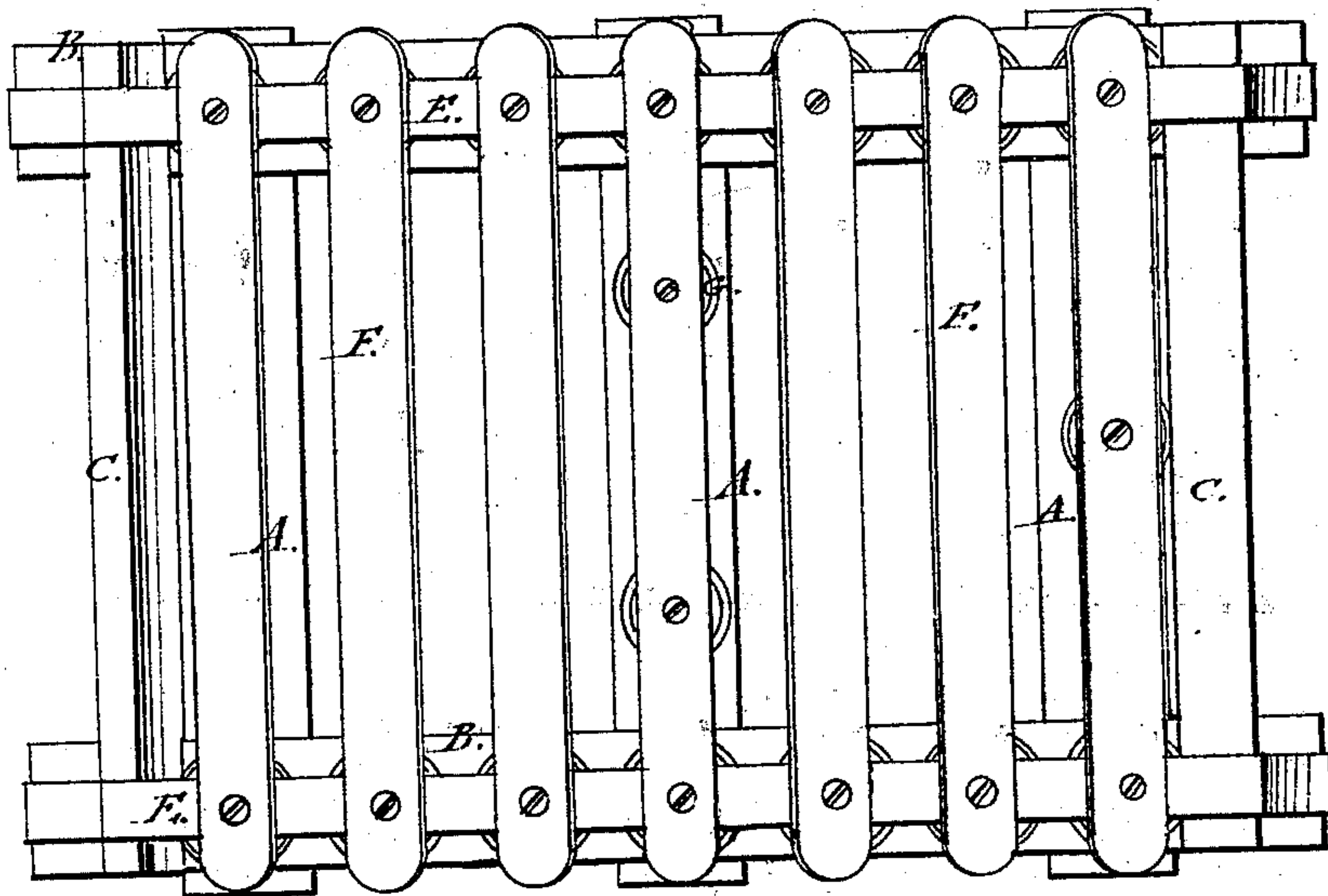


Fig. 2.



Witnesses:

O. Kinchman
Geo. F. Brooks

Inventor:

James Collins
per
Munn & Co
attys

United States Patent Office.

JAMES COLLINS, OF GRAND RAPIDS, MICHIGAN.

Letters Patent No. 91,913, dated June 29, 1869.

IMPROVED SPRING-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, JAMES COLLINS, of Grand Rapids, in the county of Kent, and State of Michigan, have invented a new and useful Improvement in Spring-Bed Bottoms; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a vertical longitudinal section of my improved spring-bed bottom.

Figure 2 is a top view of the same.

Similar letters of reference indicate corresponding parts.

My invention has for its object to furnish a simple, strong, durable, and elastic bed-bottom, which shall not be liable to break or get out of order; and

It consists in the construction and combination of various parts of the bed-bottom, as hereinafter more fully described.

A are three or more cross-slots, the ends of which rest upon ledges formed upon or attached to the side rails of the bedstead, and to which, near their ends, are securely attached the longitudinal bars B. To the bars B, near their ends, are attached the lower edges of the cross-boards or bars C, which are set inclined, or flaring, as shown in Figure 1, and which are strengthened and securely held in position by the angular blocks D, secured in the angles between the said boards or bars C and the longitudinal bars B as shown.

E are straps made of hoop-iron, which extend longitudinally along the upper side of the bed-bottom, rest upon the upper edges of the inclined boards C, and the ends of which pass beneath, and are securely attached to the under side of the ends of the longitudinal bars B. To the upper sides of the hoop-iron straps E, at suitable distances apart, are secured the ends of the cross-bars F, upon which the bedding is laid.

Between the hoop-iron strap E and the longitudinal bars B, beneath each end of each of the cross-bars F, are secured the coiled springs G.

Beneath the central cross-bar F are placed two or more extra springs G, and beneath the cross-bar F, at the head of the bed-bottom, are placed one or more extra springs G, so that the parts of the bed-bottom that support the heaviest parts of the bodies of the sleepers may have additional support.

Having thus described my invention,

I claim as new, and desire to secure by Letters Patent—

An improved spring-bed bottom, formed by the combination of the cross-bars A, longitudinal bars B, inclined or flaring end-boards or bars C, angle-block D, hoop-iron strap E, cross-bars F, and coiled springs G, with each other, substantially as herein shown and described, and for the purpose set forth.

JAMES COLLINS.

Witnesses:

THOMPSON SINCLAIR,
HENRY DE VRIES.