

Kingman & Shepard,

Bed Spring,

N^o 79,839.

Patented July 14, 1868

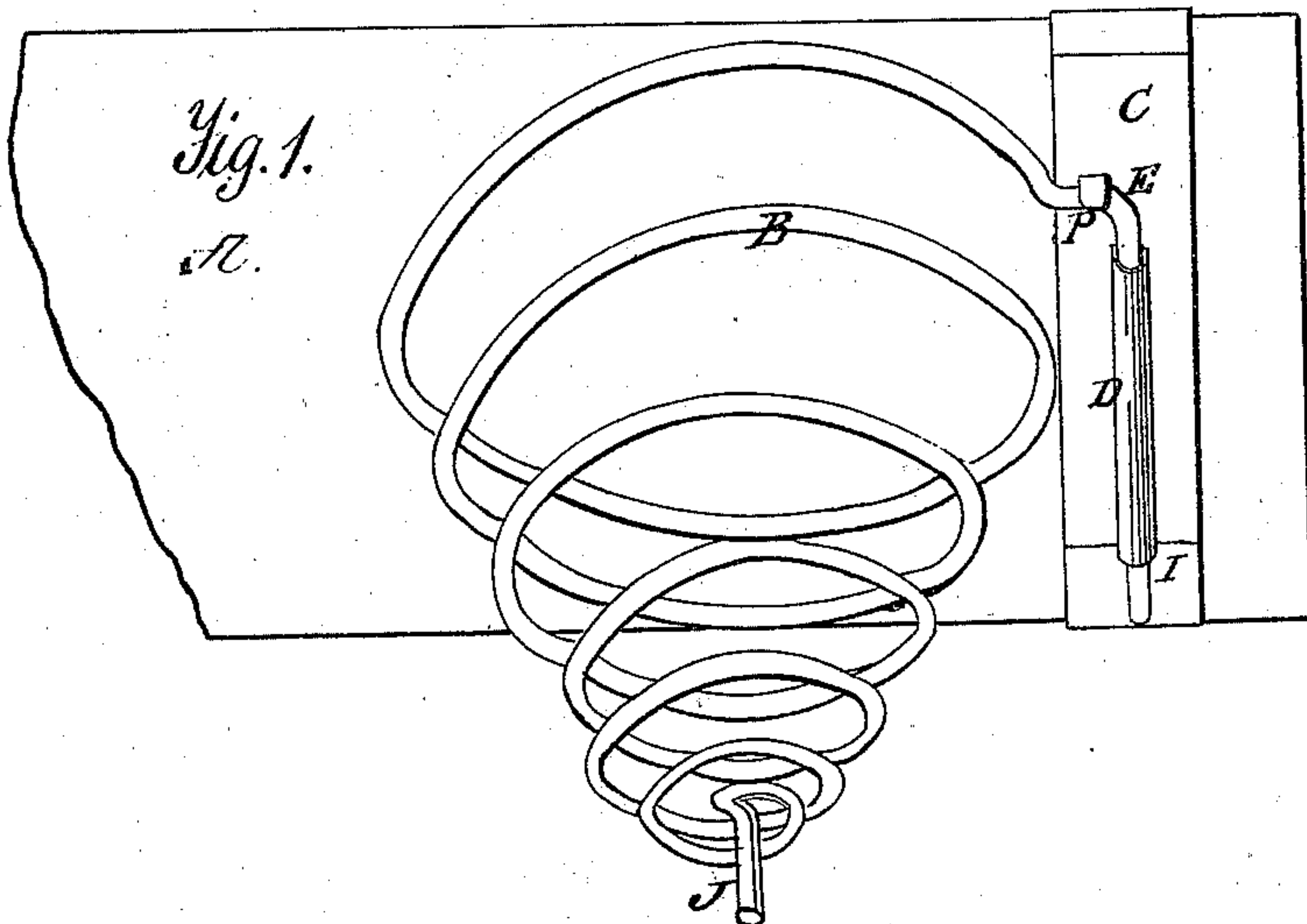


Fig. 2.

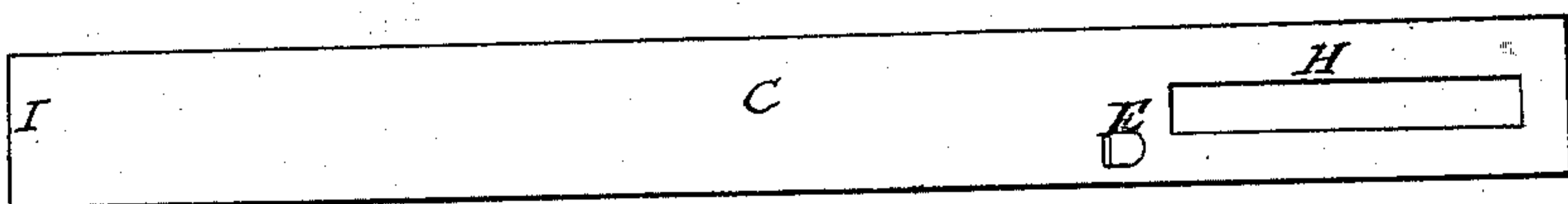


Fig. 3.

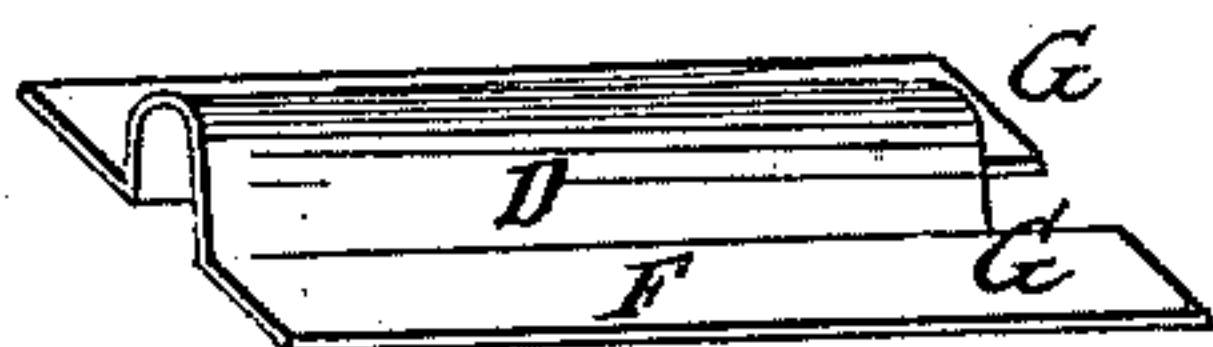
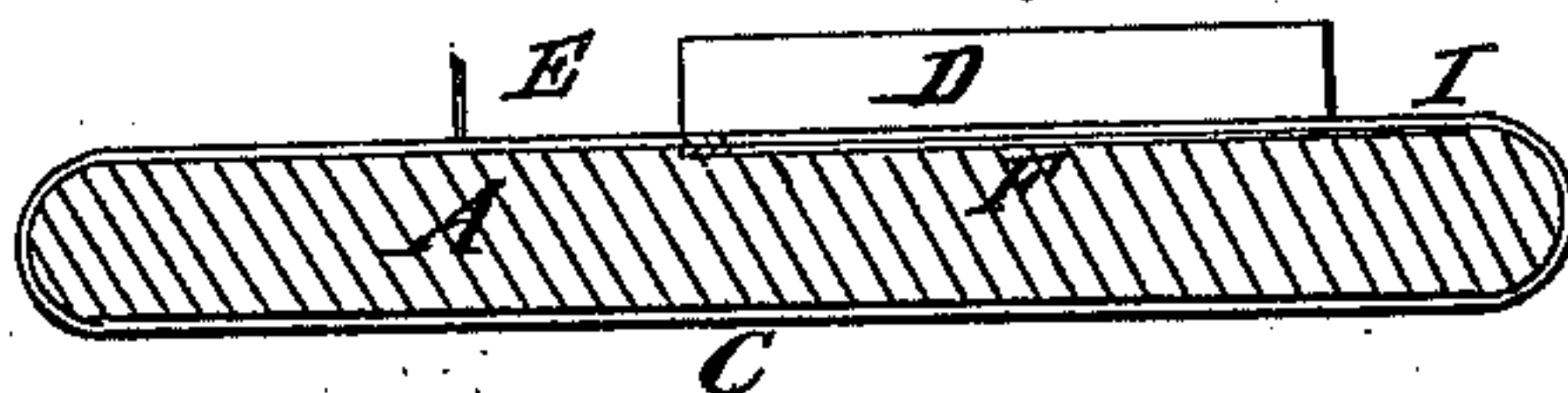


Fig. 4.



Witnesses.

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United States Patent Office.

B. F. KINGMAN AND M. V. B. SHEPARD, OF CHICAGO, ILLINOIS.

Letters Patent No. 79,839, dated July 14, 1868.

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 we, B. F. KINGMAN and M. V. B. SHEPARD, of Chicaco, in the county of Cook, in the State of Illinois, have invented a useful Improvement in Spring-Bed Bottoms; and we do hereby declare that the following is a full and 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 is a perspective representation of our invention.

Figure 2, a part of the spring-attachment, as when cut from sheet metal preparatory to its being formed into a loop.

Figure 3, a perspective representation of the socket in which the end of the spring is put.

Figure 4, a transverse section of the slat, and the spring-attachment looped around it.

This invention relates to an improvement in that class of bed-bottoms which have spring-slats resting on coil springs; and our object is to provide a simple, cheap, and durable device for fastening the latter to the slats, and one which can be readily adjusted to any part of the same, and hold the springs firmly in an upright position, and yet so that they may be readily removed for repairs, or otherwise, as the case may require.

To enable others skilled in the art to fully comprehend the construction and operation of our invention, we have marked corresponding parts with similar letters, and will now give a detailed description.

A represents the slat of a bedstead, and B an inverted spiral spring, having the usual form, and its base bearing against said slat, whose centre is set directly over the stem J of the spring, which stem is made to fit in a hole bored in the lower frame of the bottom, in the usual manner. This arrangement thus far has a common construction, and therefore we consider it no part of our invention.

The device for fastening the spring B to the slat consists of a strap of thin sheet metal, C, figs. 1, 2, and 4, having a slot, H, made through it, near one end, in which is fitted a loop, D, figs. 1, 3, and 4, for holding the end of the spring B in place; and the strap has also a nib or lug, E, cut from it, and turned up so as to bear against a shoulder of the spring, and hold its end in said loop D. This loop is also made of sheet metal, and with flanges F F at its sides, and extending to the edges of the strap C, and projecting beyond one end of the loop, as seen at G G, far enough to lap under the end, I, of the plate C, to which they are attached by solder or otherwise, as most convenient. The strap can now be bent to suit the shape of the slat A by means of a form for this purpose, and the loop D put through the slot H, and the fastening is ready for use.

The simplest method of making the device consists in cutting the strap C the required width, generally an inch, and long enough to reach around the slat A, and then make the slot H, and cut a semicircular opening for the nib E, when the latter can be raised to a vertical position. The notch between the projections G G can be cut with a die, and the loop D raised with a stamp.

The fastener can either be passed over the end of the slat, or opened and put around it, the latter arrangement being an important one, for, when a slat is too wide, it need not be cut-away, only at the place where the fastener is to be put.

In order to adjust the spring, it should be inclined toward the fastener, so as to permit the shoulder P to pass inside of the nib E, after which the base of the spring can be turned flat on to the slat.

It will be seen from this description that the fastener can be adjusted to any part of the slat without the use of nails or rivets, and at the same time the spring can be removed without disturbing it.

Having thus described our invention, what we claim, and desire to secure by Letters Patent of the United States, is—

A bed-spring fastening, consisting of the metal strap C, and loop D, the former having a nib, E, for holding the spring in place, and a slot, H, through which said loop passes, and the latter having projecting flanges F G fastened to the end of the strap C, and bearing against the inside of the same, substantially as and for the purpose herein specified.

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M. V. B. SHEPARD.

Witnesses:

G. L. CHAPIN,
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