

C. H. Berry.

Red Bottom.

N^o 98,339.

Patented Dec. 28, 1869.

Fig. 1

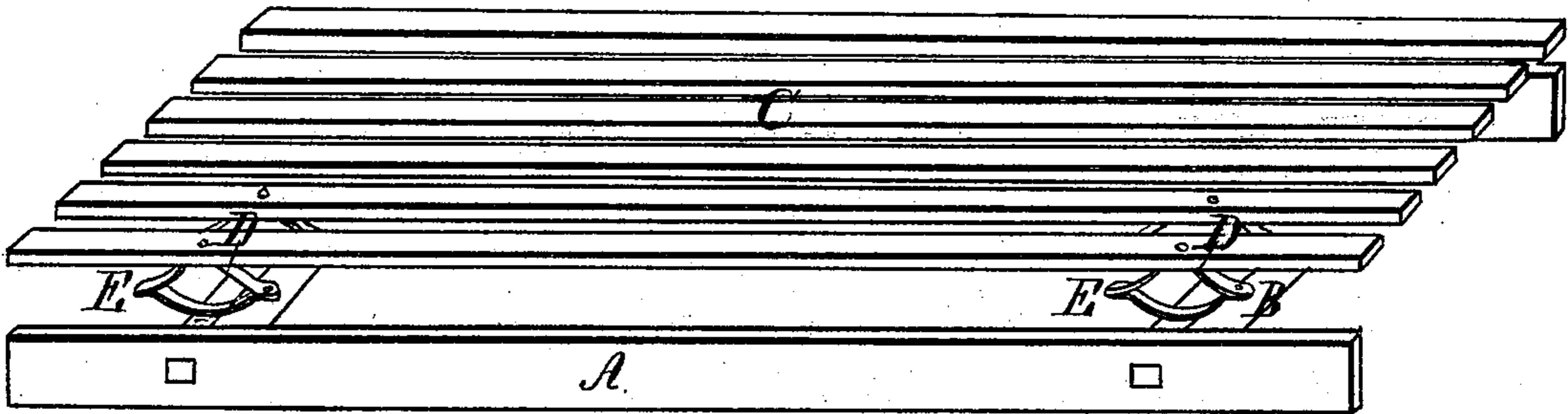


Fig. 2

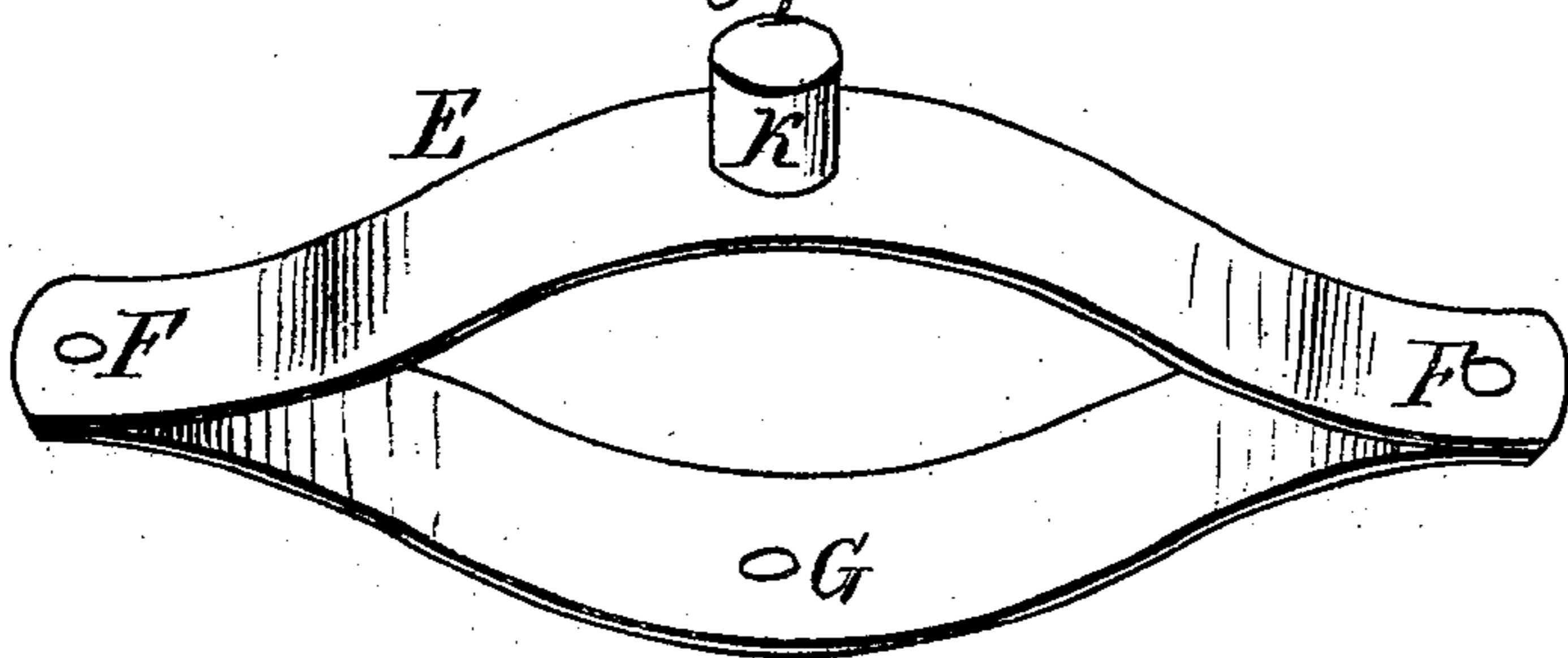
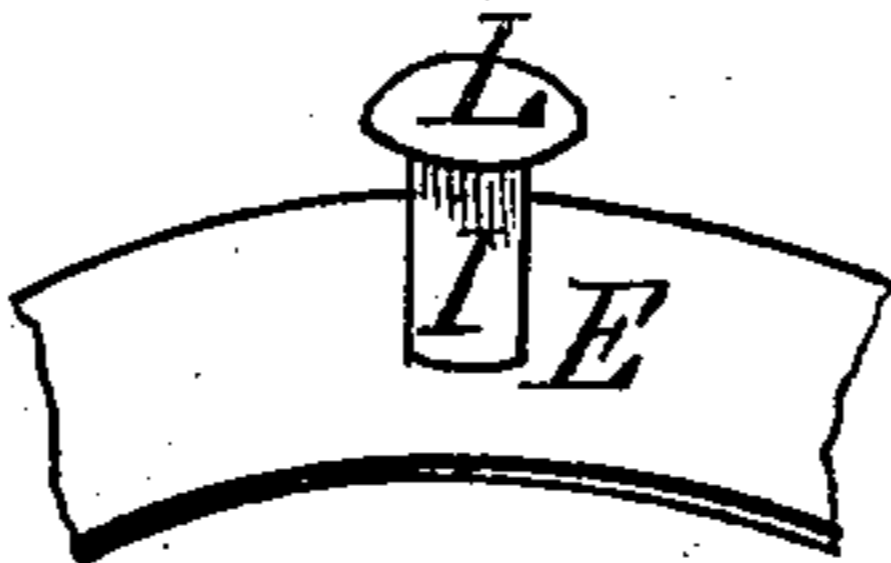


Fig. 3



Witnesses

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CHARLES H. BERRY, OF EAST SOMERVILLE, MASSACHUSETTS.

Letters Patent No. 98,339, dated December 28, 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, CHARLES H. BERRY, of East Somerville, in the county of Middlesex, and in the State of Massachusetts, have invented a new and useful Improvement in Spring-Bed Bottoms; and do hereby declare that the following description, taken in connection with the accompanying plate of drawings, hereinafter referred to, forms a full and exact specification of the same, wherein I have set forth the nature and principles of my said improvement, by which my invention may be distinguished from others of a similar class, together with such parts as I claim and desire to secure by Letters Patent.

The nature of my invention relates to improvements in spring-bed bottoms, and consists in the employment of elliptical springs, of a peculiar construction, for the support of longitudinal slats, and in the peculiar arrangement of the devices made use of for attaching and detaching the longitudinal bars to the elliptical springs, forming, as a whole, a luxurious bottom for bedsteads and lounges, noiseless in operation, cheap, and durable of construction, at all times homogeneous and even of surface, and affording no harboring place for vermin.

In the accompanying plate of drawings, which illustrate my invention, and form a part of the specification thereof—

Figure 1 represents a perspective view of the frame of a bed-bottom, with my invention applied thereto.

Figure 2 represents the elliptical spring made use of, with the plug attached.

Figure 3 is a detached view of the bolt forming a part of the plug.

The following is a description of the construction and operation of my invention.

A represents the side, and B, the end pieces, forming, together, a frame of such dimensions as will cause it to fit properly within the head and foot-boards, and side-rails of the bedstead made use of.

C represents a series of longitudinal slats, each one of which is provided with sockets or cylindrical perforation, D, to receive the plugs attached to the series of elliptical springs E.

The said elliptical springs are constructed of two strips of steel, constructed of proper form, and secured at either end by rivets F, and are attached to the cross-bars B by means of bolts or screws driven through the perforation G.

The plugs K are composed of the bolt I, which is riveted, or secured in any other proper manner, to the upper strip of the said elliptical spring, and cylindrical rubber piece K exactly fitting between the head L of the said bolt I, and the upper surface of the said elliptical spring. The said rubber cylinder is of a diameter exactly equal to the diameter of the perforation aforesaid, cut in either end of the longitudinal reversible bars C, in order that they may fit with exactness within the same, and thus prevent the possibility of the entrance of vermin.

All the perforations D are uniform in diameter, as are also the cylinders K, so that one may be substituted for another at any time.

When the said reversible slats become sprung or bent, by constant use, it is simply necessary to turn them over, or reverse their position, so that what was formerly the upper becomes the under side, and *vice versa*, so that the evenness or homogeneity of the bed-bottom is maintained with the greatest ease.

The manner in which the said reversible slats are arranged with the said elliptical springs causes them to give or spring both longitudinally and transversely, without the slightest noise or disagreeable effect.

Having thus described the nature, construction, and operation of my invention, I will set forth and indicate what I claim as new, and desire to secure by Letters Patent in the the following clause, to wit:

In combination with the reversible slats c, the elliptical springs E, and plugs K, when constructed and operating as herein described and shown.

In testimony that I claim the foregoing, I have hereunto set my hand, this day of , 1869.

CHAS. H. BERRY.

Witnesses:

CALVIN LELAND,
JAMES F. WARD.