

D. KELLOGG.
Bed-Spring.

No. 218,983.

Patented Aug. 26, 1879.

Fig. 1.

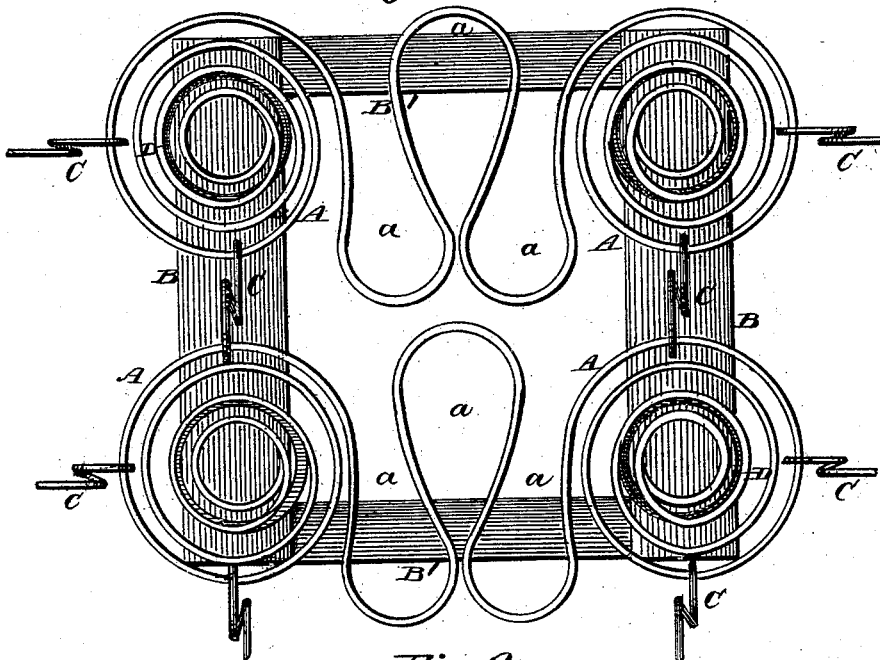


Fig. 2.

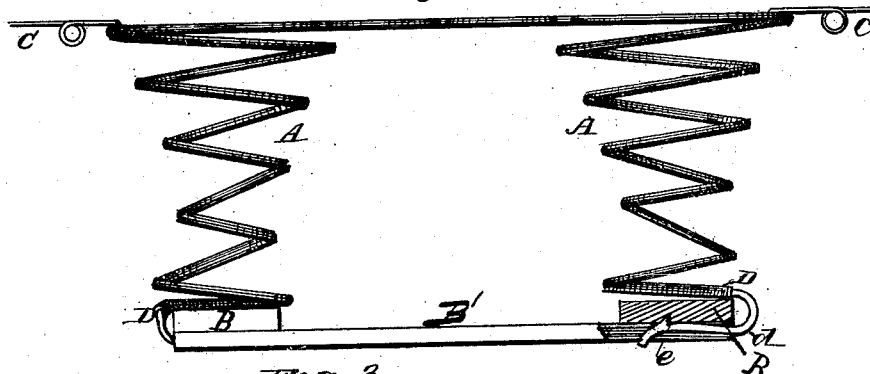


Fig. 3.

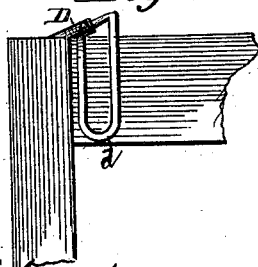
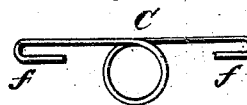


Fig. 4.



Witnesses
Fred. G. Dietrich
George. Binkenburg

Inventor
Daniel Kellogg
 By *Myerhoff*
 Atty.

UNITED STATES PATENT OFFICE.

DANIEL KELLOGG, OF JACKSON, MICHIGAN.

IMPROVEMENT IN BED-SPRINGS.

Specification forming part of Letters Patent No. **218,983**, dated August 26, 1879; application filed October 17, 1878.

To all whom it may concern:

Be it known that I, DANIEL KELLOGG, of Jackson, in the county of Jackson and State of Michigan, have invented certain new and useful Improvements in Bed-Springs; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 is a plan view of my improved bed-spring. Fig. 2 is a side elevation of the same, and Figs. 3 and 4 are detail views thereof.

This invention has relation to improvements in bed-springs, the object of which is to avoid the "creaking" noise common to the action of the springs on the slats, as heretofore constructed; and it consists of combining, with the coil or leg of the spring next to the slat, of a rubber or elastic wrapper or covering, substantially as hereinafter more fully set forth.

In the accompanying drawings, A A mark a number of upright coiled springs, arranged one at each corner of the quadrangle formed by the slats B B, secured on the side pieces, B' B'. These springs are formed, in pairs, in one piece of wire, their connecting-wire being formed into a number of loops, *a a a*, forming an intermediate resilient supporting-surface for the bed. These loops tend also to prevent the careening of the main springs A.

Looped spring wires C with hooks *f* are used to connect the independent pairs of springs together, which looped wires permit the usual expansion and contraction of the springs, consequent upon the action imparted to the springs as a person gets in and out of the bed.

D D are rubber or elastic wrappers or cov-

erings, usually in the form of tubes, slipped on the legs or coils of the springs A next to the slat, the object of which is to avoid the creaking noise, consequent upon the action of the springs on the slats, as heretofore made.

The rubbers or wrapper, it will be observed, breaks the concussion and frees the striking of the slat by the springs from noise.

The lower ends of the springs A are provided with inwardly-curved or projecting portions *d* to fit them to the slats, as shown. The portions D themselves are provided at their inner extremities with flukes or barbs *e*, which penetrate the under side of the slats, and thus effectually fasten the springs to the slats.

I am aware that a bed-bottom spring consisting of two spiral springs, formed of one continuous wire, said wire being bent between the springs to form a double bend or loop, extending on each side of the line connecting the axis of the spring, is old.

I am also aware that a fastening for the lower end of the spring, consisting in bending that end of the spring inwardly and providing said bend with a hook catching on the slat, is also old.

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

A bed-spring, A, provided, adjoining the slat, with a rubber or elastic wrapper or tube, D, substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

DANIEL KELLOGG.

Witnesses:

M. F. COOK,
W. H. POTTS.