

W. S. Crippen,

Bed Bottom.

No. 102231.

Patented Apr. 26, 1870.

Fig. 1.

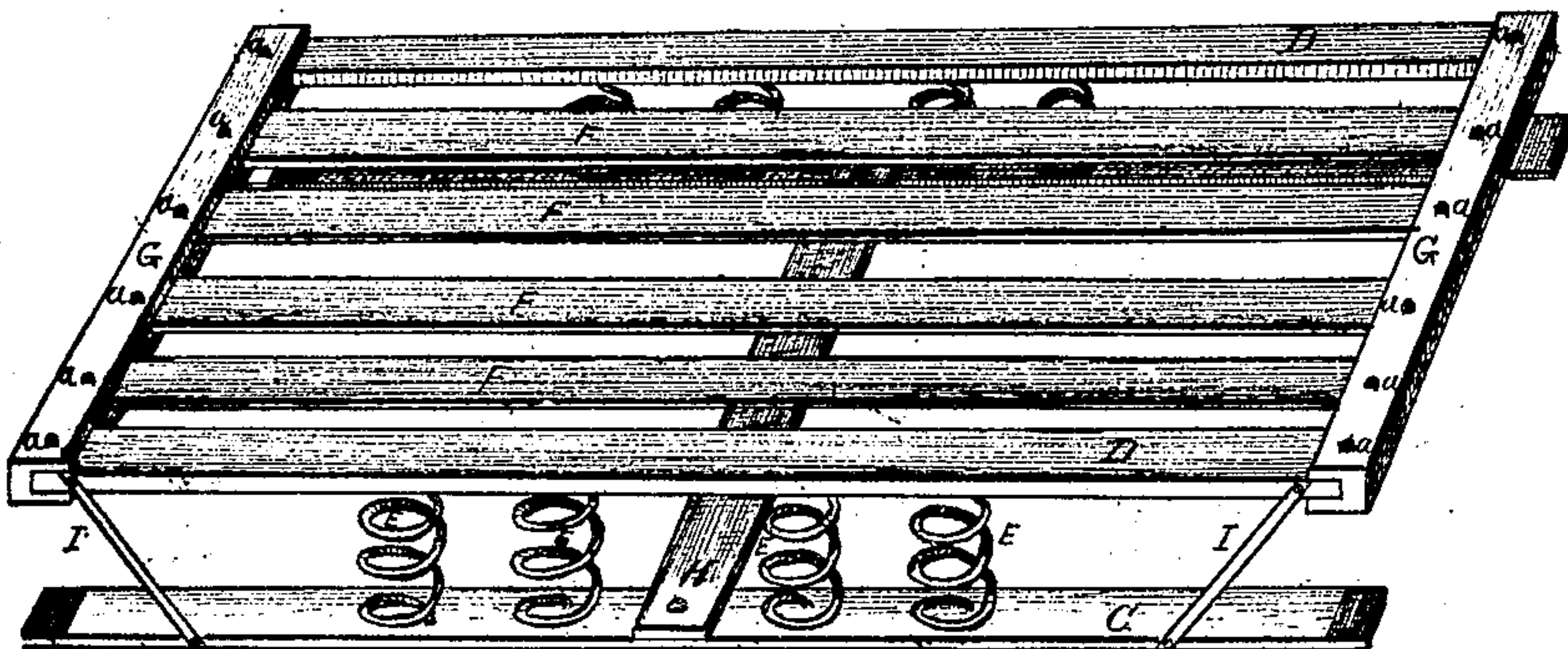
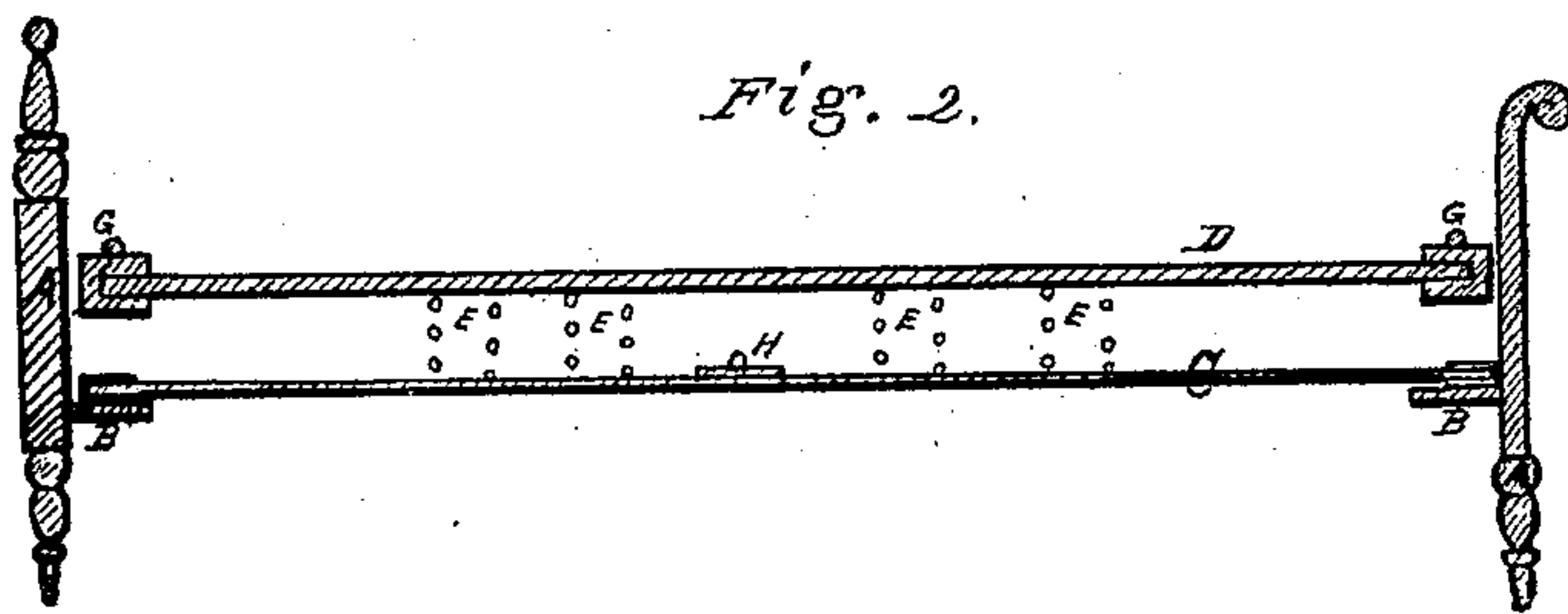


Fig. 2.



Witnesses.

Lyman G. Bigelow.  
Henderson Willard.



Inventor.

Warren H. Crippen.

# United States Patent Office.

WARREN S. CRIPPEN, OF GRAND RAPIDS, MICHIGAN.

*Letters Patent No. 102,231, dated April 26, 1870.*

## IMPROVED SPRING BED-BOTTOM.

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

I, WARREN S. CRIPPEN, of Grand Rapids, Michigan, have invented a new and improved Spring Bed-Bottom, of which the following is a specification.

In the drawings making part of this specification—

Figure 1 is a perspective view, and

Figure 2, a longitudinal vertical section of a bedstead with my improvement attached.

A is the bedstead; it is not a part of my invention, and therefore needs no further description.

At the head and foot of this bedstead is placed a cross-slat, B, on which to rest the bed-bottom.

On the cross-slats B B along each side of the bedstead is placed a wooden spring slat, C, which supports the bed-bottom.

The two outside slats D D of the bed-bottom proper are thicker than the others, so as not to spring up.

Between these thick side slats D D and slat springs C C are placed coiled wire springs E E E E. Rubber springs may be used instead.

The bearings of the spring slats C C at the ends are covered with rubber, to prevent squeaking.

A series of wooden slats, F F, extending lengthwise of the bed, is secured at each end between cross-slats G G by means of bolts *a a*.

If the slats F F should sag, after long using, the four bolts which fasten the ends of the thick slats D D to the cross-slats G G may be removed, the thick slats taken from between G G, and the bed-bottom turned

over. This may be done as often as necessary, to secure a level bed.

The spring slats C C may be strengthened by bolting to each a cross-slat, H, at the middle.

I I are stays.

B B are two and a half inches wide and one inch thick.

C C are three and a half inches wide and one inch thick.

D D are two and a half inches wide and one and a half inch thick.

F F are six inches wide and five-eighths inch thick.

G G are three inches wide and one inch thick.

The length and width of bed-bottom may vary according to size of bedstead.

I do not claim, broadly, side springs or longitudinal spring slats, as I am well aware that they have long been in use; but

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

The spring bed-bottom, consisting of the coiled springs E, spring slats C, stays I I, slats D and F, and cross-piece H, all combined and arranged to operate as herein described and shown.

WARREN S. CRIPPEN.

Witnesses:

HENDERSON WILLARD,  
DANIEL MCNAUGHTON.