

Tucker & Babbett,

Bed Bottom,

Nº 67,930,

Patented Aug. 20, 1867.

Fig. 1

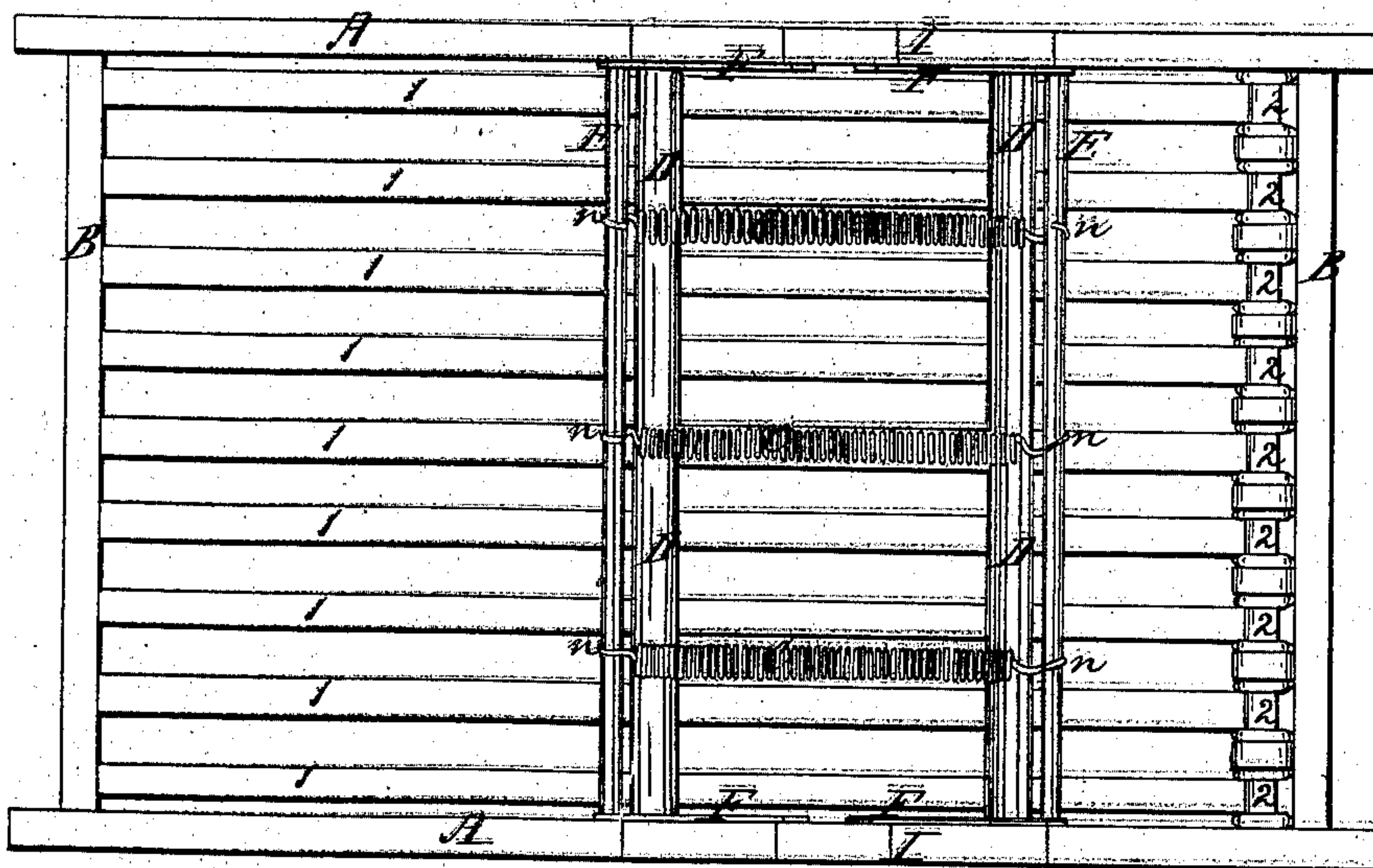
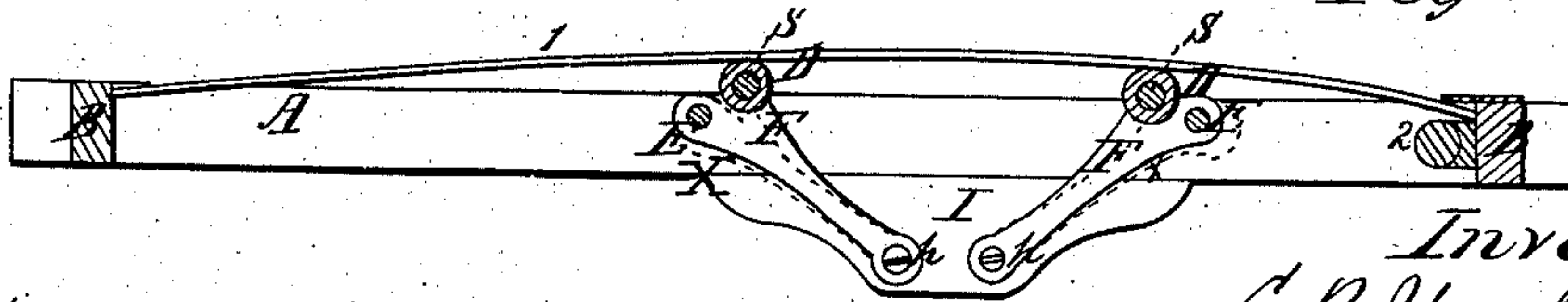


Fig. 2



Witnesses.
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CHARLES B. TUCKER AND L. S. BABBITT, OF CHICAGO, ILLINOIS, ASSIGN-
ORS TO L. S. BABBITT.

Letters Patent No. 67,930, dated August 20, 1867.

IMPROVED 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, CHARLES B. TUCKER and L. S. BABBITT, of Chicago, in the county of Cook, and State of Illinois, have invented a new and useful improvement in Bed-Bottoms; and we do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings and letters marked thereon, in which—

Figure 1 is a plan view of the under side of the bed-bottom.

Figure 2, a longitudinal sectional elevation of the same.

The nature of our invention consists in the use of rollers, placed under that part of the slats upon which the greatest weight usually rests, and attaching the bearings which support the rollers to levers jointed to the sides of the bottom; and also in attaching rods to said arms, for the purpose of supporting coil-springs, used to force the rollers back after having been carried apart and toward the ends of the bottom, by means of pressure on the slats.

In order to give a correct understanding of our invention, we have marked corresponding parts with similar letters and figures, and will now give a detailed description.

A A represent the sides, and B B the ends of the common slat bed-bottom, the slats being shown at 1 1 1, &c. We are not particular as to the manner in which these parts of the bottom are made, only so that the slats are arranged to have easy bearings at one or both ends of the bottom, in order that they may spring in the usual manner. I, figs. 1 and 2, represent supports projecting downward from the rails A A, for the convenience of securing the levers F; but the sides A A can be made wide enough to answer the purpose, if desired. The levers F should be made of cast or wrought iron, and long enough to equalize the weight upon the slats 1, and placed at such points on sides A A as will best support the trunk of the body, and have a swinging motion, as indicated by dotted lines X X, fig. 2. Bearings S S, fig. 1, are made of round iron of suitable lengths, and covered with shell-rollers D D, of any suitable material, and then made fast to the levers F F. Rods E E are also made of round iron, and made fast to said levers F F, and used to hold the ends of the coil-springs C C C, of which any number desirable may be used, according to the size of the bottom. After this the levers F F can be secured to projections I I, by means of screws h h, and the bottom will be ready for use.

It will be seen from this description that any considerable pressure on the slats 1 will cause the rollers D D to turn on bearings S S, move apart, and allow the slats to spring downward, and yet have two transverse bearings for keeping them even, by which means a light and heavy person can sleep on the same bed with more ease than when resting wholly on the slats beneath them. Again, the rollers will equalize the weight on the slats, which is not the case with any other bed-bottom in use, and as a result a gain is made both in the convenience and durability of the bottom, without exceeding the cost of any good article of a similar kind.

Having thus described our device, what we claim, and desire to secure by Letters Patent, is—

The arrangement of the rollers D D, in combination with levers F F, rods E E, and springs C C C, constructed to operate under slats 1, substantially as and for the purpose set forth.

CHARLES B. TUCKER,
L. S. BABBITT.

Witnesses:

GEO. L. CHAPIN,
A. HAYWARD.