

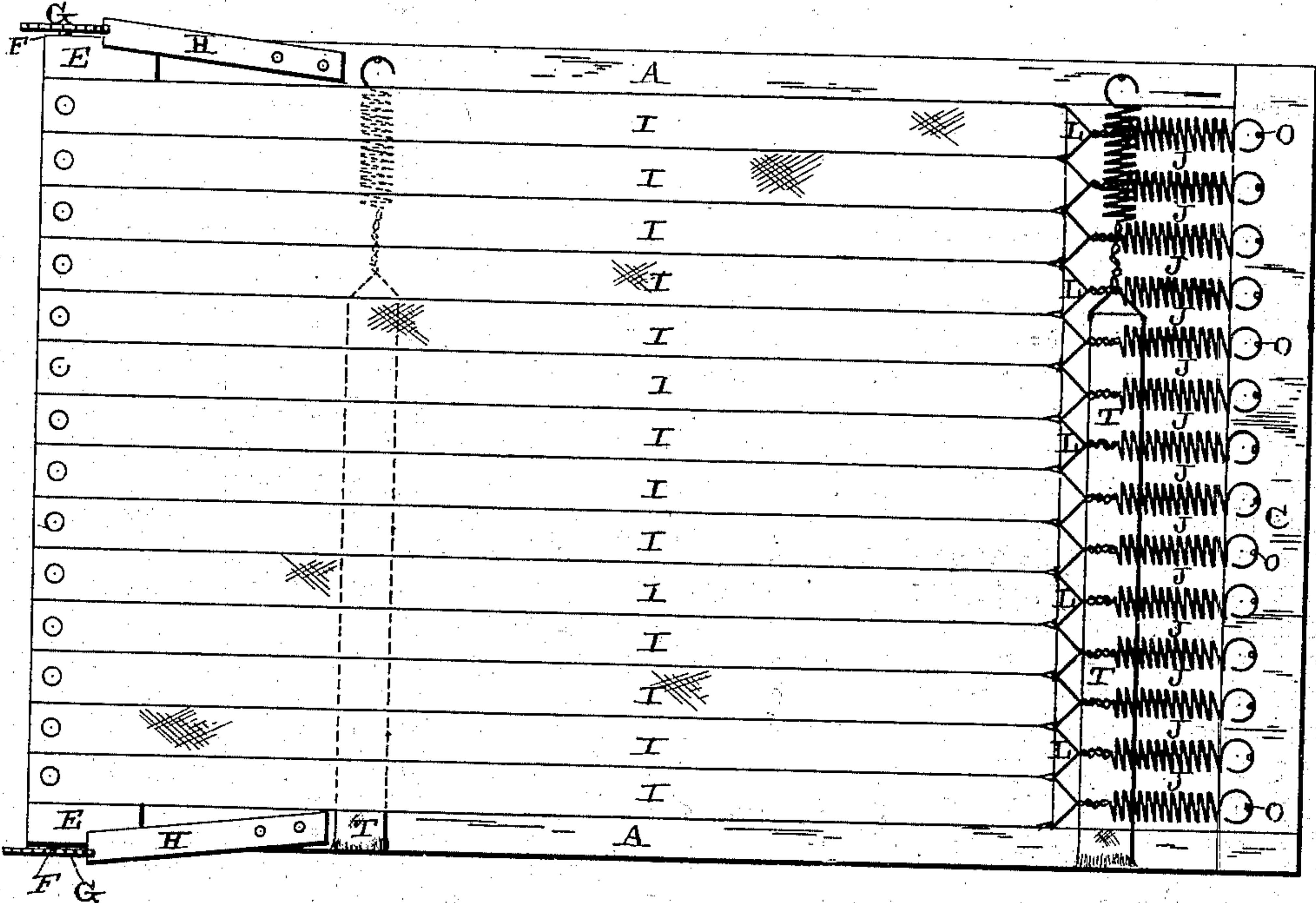
(Model.)

W. D. STROWGER.
SPRING BED BOTTOM.

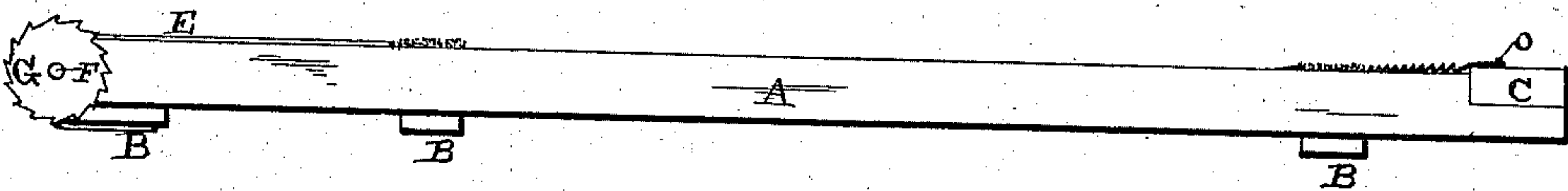
No. 271,945.

Patented Feb. 6, 1883.

~~Fig. 1.~~



~~Fig. 2.~~



Witnesses.

Louis L. Gardner
C. D. York

Inventor.

W. D. Strowger,
per
F. A. Lehmann,
Atty.

UNITED STATES PATENT OFFICE.

WILLIAM D. STROWGER, OF STEAMBURG, NEW YORK, ASSIGNOR OF ONE-HALF TO S. H. WALLACE, OF GARFIELD, PENNSYLVANIA.

SPRING BED-BOTTOM.

SPECIFICATION forming part of Letters Patent No. 271,945, dated February 6, 1883.

Application filed November 17, 1882. (Model.)

To all whom it may concern:

Be it known that I, WILLIAM D. STROWGER, of Steamburg, in the county of Cattaraugus and State of New York, have invented certain new and useful Improvements in Spring Bed-Bottoms; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in spring bed-bottoms; and it consists in the combination of strips formed of any textile fabric, suitable springs, which are secured to one of their ends with suitable cross-strips, which pass under the longitudinal strips, and which cross-strips are also provided with springs upon their ends, all of which will be more fully described hereinafter.

The object of my invention is to form a very cheap, soft, and elastic bed-bottom, which can be given any desired amount of tension.

Figure 1 is a plan view of my invention. Fig. 2 is a side elevation of the same.

A represents a suitable rectangular frame, which is braced by the three cross-pieces, B, which are secured to the under sides of the side pieces, and the cross-piece C, which is secured upon the tops of the side pieces at one end. Secured against the end of the frame by means of suitable metallic straps, E, is the roller F, which is provided with a ratchet-wheel, C, upon one or both of its ends. Upon the top of the frame A are secured the flat springs H, which act as pawls to the ratchets for the purpose of holding the roller in any position in which it may be adjusted. To this roller are secured the strips I, of any suitable fabric, and which straps have attached to their free ends suitable wire or other hooks, L, by means of which the coil or other springs, J, are attached to them. The springs, which may either be of the shape here shown or any other that may be preferred, are pro-

vided with hooks or catches upon each of their ends, one of which catches in the hook upon the end of the strip, while the other catches over the pins, studs, or projections O, which project up from the top of the cross-piece C. These springs allow each one of the strips an independent play or movement of its own, and by turning the roller to which all of the strips are attached it will readily be seen that any desired amount of tension can be brought to bear upon each strip and the spring that is attached to it.

In order to support the strips, two or any suitable number of cross-strips, T, may be used, each one of which will be attached to the top of one of the side pieces, while its other end will have attached to it a coil-spring, as already described. These cross-strips are also made of any suitable fabric, and every length will be so proportioned as to bring any desired tension upon the springs attached to them.

A bed-bottom constructed as above described will be found to be very soft, elastic, and cheap. Should any of the parts get out of order, they can readily be repaired without the help of a skilled mechanic.

Having thus described my invention, I claim—

1. In a bed-bottom, the combination of the frame A, having the cross-piece C, provided with the projections O, the roller E, provided with ratchets and pawls, the strips I, springs J, and hooks L, substantially as shown.

2. In a bed-bottom, the combination of the frame A, having the cross-piece C, provided with the projections O, the springs J, hooks L, strips I, roller E, provided with pawl and ratchet, and the cross-strips T, provided with springs, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

W. D. STROWGER.

Witnesses:

L. NUTTING,
E. E. WOOD.