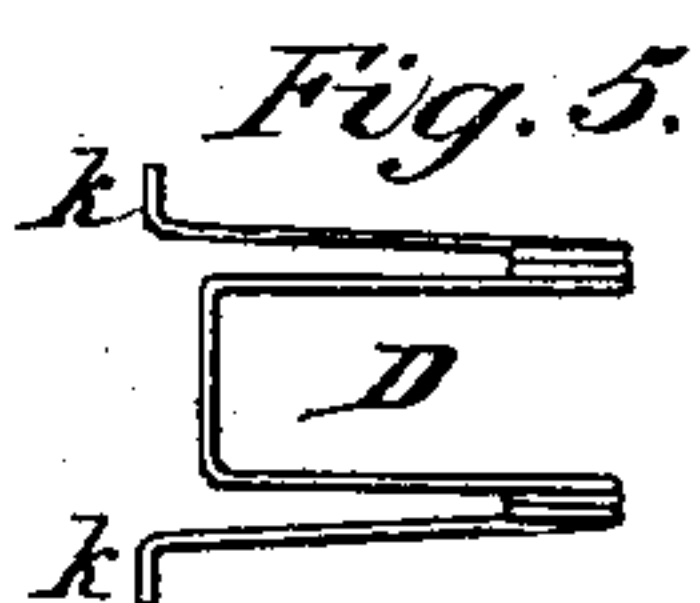
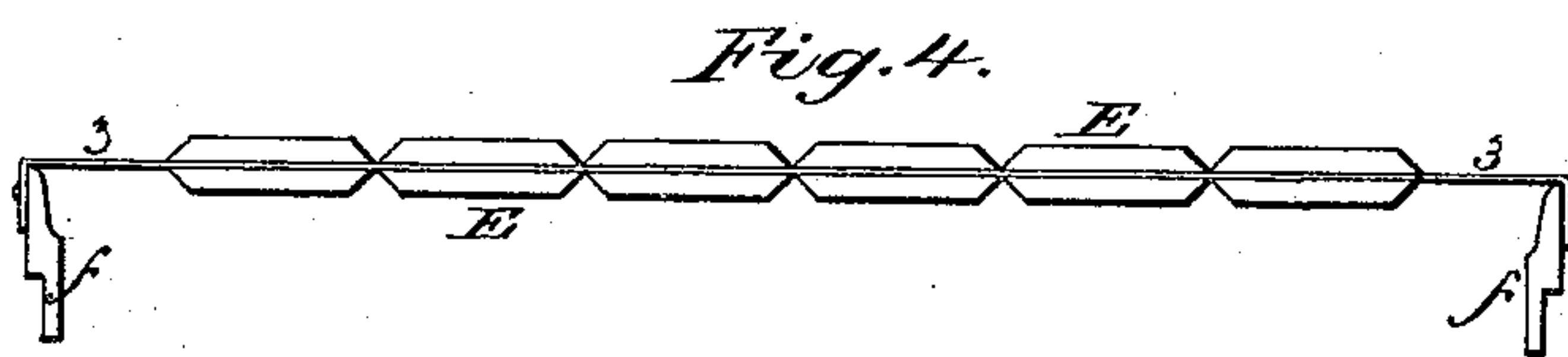
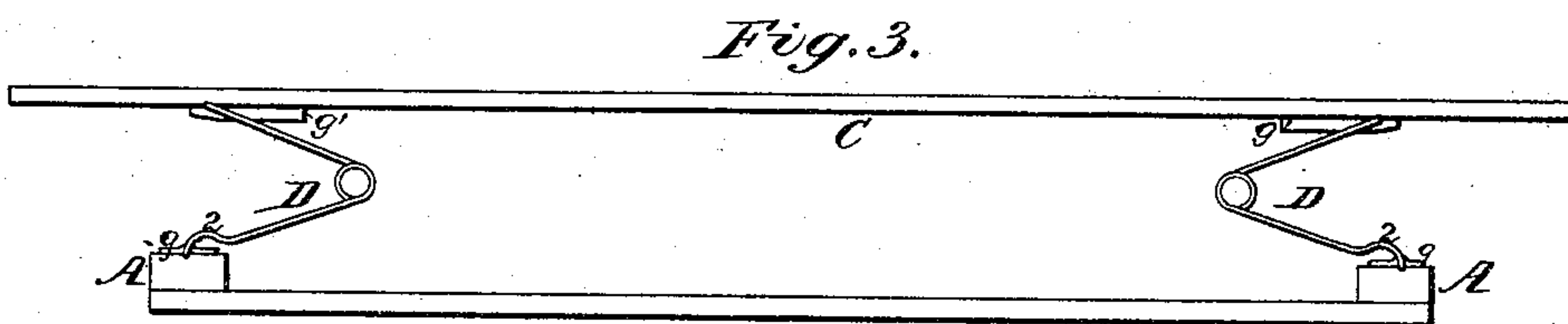
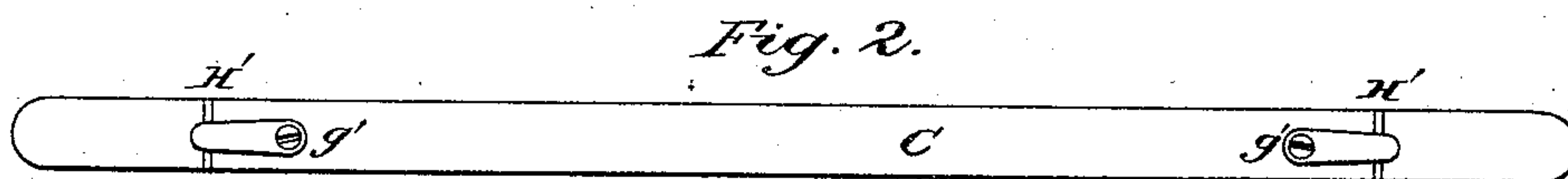
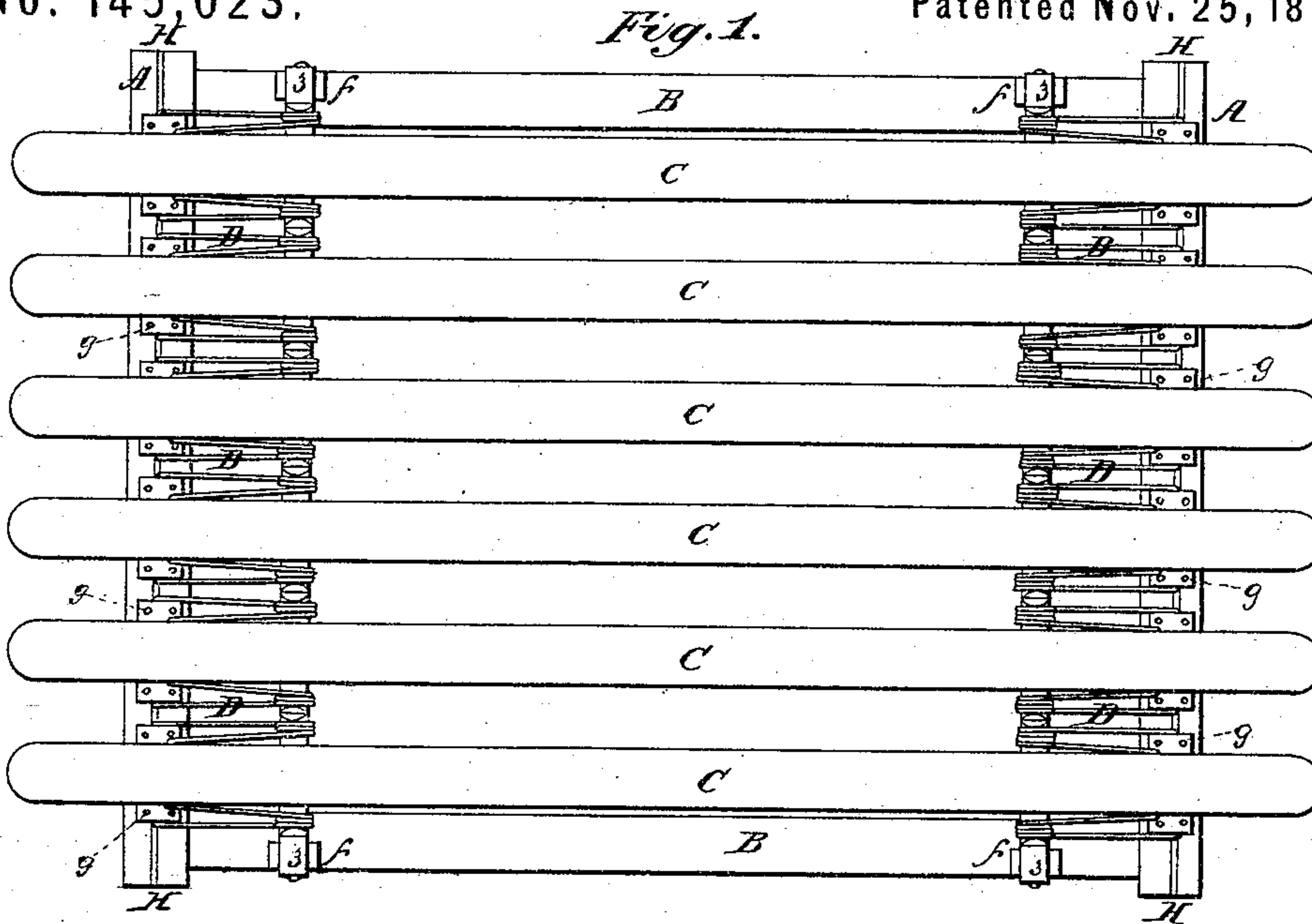


C. B. SPENCER.
Bed-Bottoms.

No. 145,023.

Patented Nov. 25, 1873.



Witnesses.

George S. Winslow.
George H. Green.

Inventor.

Charles B. Spencer.

UNITED STATES PATENT OFFICE.

CHARLES B. SPENCER, OF HASTINGS, MINNESOTA.

IMPROVEMENT IN BED-BOTTOMS.

Specification forming part of Letters Patent No. **145,023**, dated November 25, 1873; application filed May 1, 1873.

To all whom it may concern:

Be it known that I, CHARLES B. SPENCER, of Hastings, in the county of Dakota and State of Minnesota, have invented certain Improvements in Bed-Bottoms, of which the following is a specification:

The nature of my invention relates to an improvement in bed-bottoms; and it consists in the arrangement and combination of parts which will be more fully described hereafter.

The accompanying drawings represent my invention.

A B represent the frame, to which the slats C are secured by means of the springs D. These springs, shaped as shown in Figs. 5 and 6, have their lower ends, *k*, turned at right angles, and which are placed in the groove H, made in the top of the cross-rail A, and then secured in position by means of the metallic plates *g*. Just above these ends the spring is curved upward, as shown at 2, so that the spring will not strike the inside of the rail when pressed downward. The upper end of

the spring is secured in a groove, H', on the under side of the slat by a button, *g'*. Extending upward from each of the side rails B are two uprights or posts, *f*, to which the jointed guide-rods E are secured by means of the leather or other strap 3. These rods consist of short metallic half-round bars, which are secured to each side of the strap, as shown in Fig. 4, their ends being beveled away, so as to allow each part a free movement or play. Around each of these sections is passed the coiled part of the springs D, as shown in Fig. 1, whereby each slat and spring is retained in position, and yet allowed a free elastic play vertically.

Having described my invention, I claim—

The jointed rods E 3, in combination with the springs D and slats C, substantially as shown and described.

CHARLES B. SPENCER.

Witnesses:

GEORGE S. WINSLOW,
GEORGE F. GREENE.