2 Sheets—Sheet 1.

S. H. REEVES.

BED-BOTTOM.

No. 192,790. Patented July 3, 1877.

Fig 1

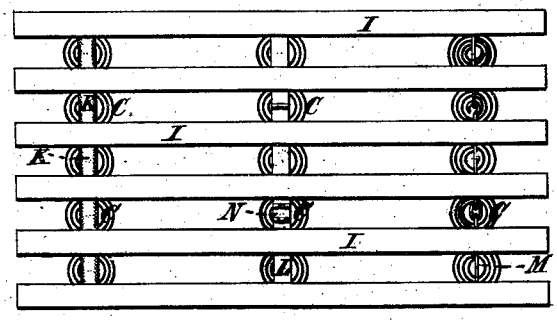


Fig 2.

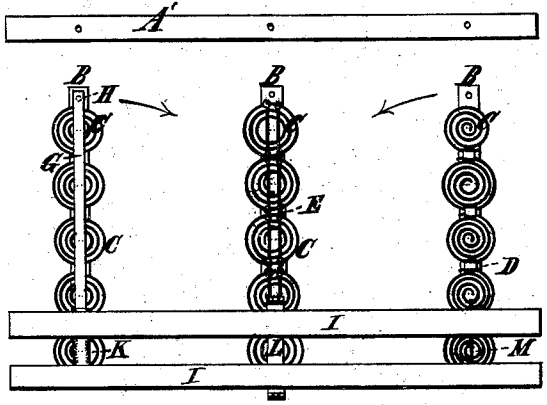
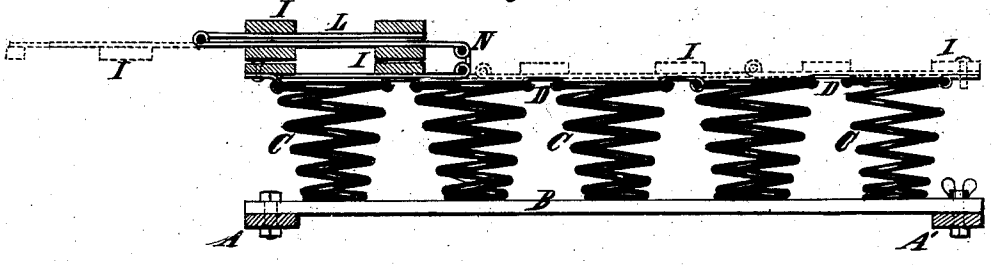


Fig 3



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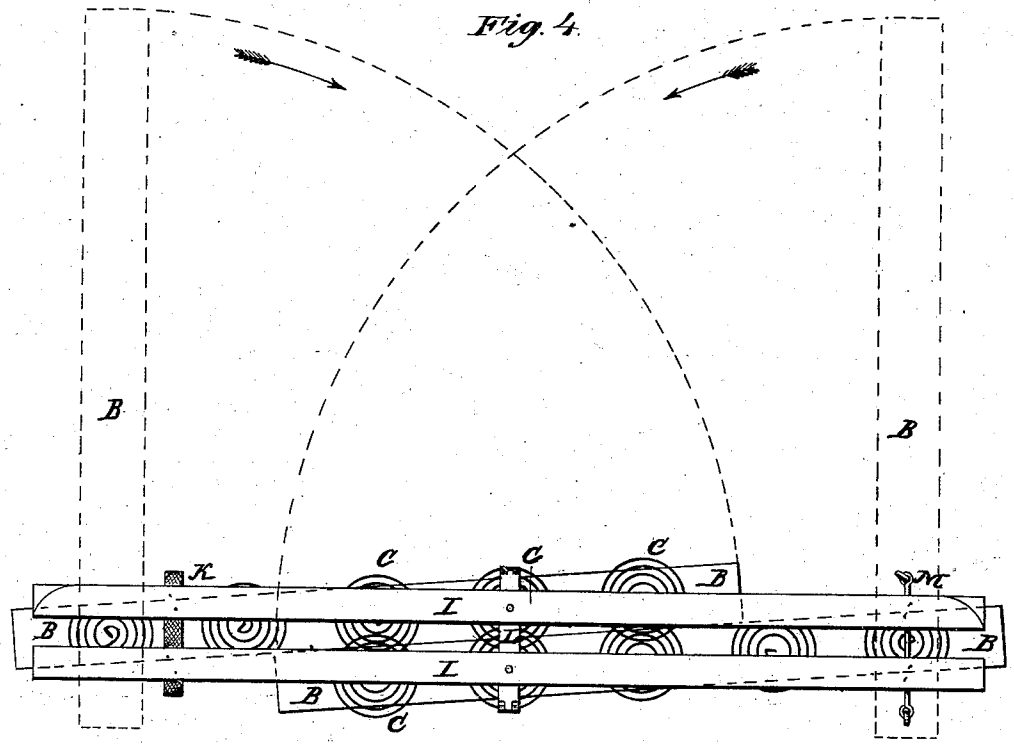
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S. H. REEVES.

BED-BOTTOM.

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Fig. 4.



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UNITED STATES PATENT OFFICE

SAMUEL H. REEVES, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN BED-BOTTOMS.

Specification forming part of Letters Patent No. **192,790**, dated July 3, 1877; application filed January 29, 1877.

To all whom it may concern:

Be it known that I, SAMUEL H. REEVES, of Brooklyn, county of Kings and State of New York, have invented certain new and useful Improvements in Bed-Bottoms, of which the following is a description:

This invention consists in a bed-bottom wherein a top or resting surface and supports therefor are capable of being folded or shifted independently of one another for transportation, or to facilitate cleaning.

The accompanying drawing illustrates my improvements embodied in a spring bed-bottom intended for use upon an ordinary bedstead.

Figure 1 is a plan or top view of such bed-bottom, with its parts adjusted or extended for use. Fig. 2 is a plan of the same, with its top or resting surface folded, and an outer rail of the supports used to maintain the supports for such resting-surface in extended positions for use disconnected therefrom. Fig. 3 is a transverse section on a larger scale, showing the top or resting surface folded, and illustrating an example of rests therefor at the top of the springs, and Fig. 4 is a plan of the bed-bottom folded.

Similar letters of reference designate corresponding parts in all the figures.

A A′ B designate the bottom surface of this bed-bottom, which, as illustrated, consists essentially of longitudinal slats A A′, connected by transverse slats B, represented as three in number, and provided each with a row of spiral springs, C. The number of these transverse slats, however, is immaterial. It is believed that, in practice, two, arranged near the ends of the longitudinal slats A A′, will suffice. They may be secured to the slats A A′ in any manner that will admit of their being readily adjusted or shifted so as to provide for packing into a small space. They are shown as secured by bolts, constituting pivots, to the slat A, so that they may be adjusted or shifted inward into positions parallel or nearly parallel therewith, and are secured to the slat A′ in such manner by pins or bolts passing through them and said slat A′, or by other means, that they may be readily attached thereto to be kept extended for use, and may be readily detached therefrom to allow of their adjustment for packing. They may, however, be so secured as to be entirely detachable from both slats A A′, and, when detached, may be laid at the side of the longitudinal slats and beside the folding top surface, presently to be described, which will greatly facilitate the packing of the bed-bottom. When three of these transverse slats are employed, it may be best to secure them so as to provide for their entire detachment. When but two are used, however, they may be packed snugly away by adjusting or shifting them parallel or nearly parallel to the slat A.

The springs C may be secured to the slats B by staples, clasps, or otherwise. Their top coils are maintained in proper position, preferably, by connections independent of the top or resting surface of the bed-bottom. Various connections may be available.

As shown, those of one row of springs consist of independent clasps D (see particularly in Fig. 3) embracing the top coils of adjacent springs; those of another row consist of strings or cords E, preferably interlaced through the top coils; and that of the other row consists of a slat, G, of metal or other material, resting upon the top coils and secured to the springs at the ends of the row, or beyond them to horns or uprights H projecting up from the supporting-slat B.

I designates a number of longitudinal slats, composing the top or resting surface of the bed-bottom. They are shown as connected at three places, and by three different kinds of connections—one consisting of a flexible strap, K, another consisting of a jointed slat, L, and the other consisting of a jointed rod, M. Either style of connection may be used. The jointed slat and rod provide for folding the top or resting surface twice or more, as may be necessary, so that when folded the slats will rest three or more in a vertical row.

To enable the said surface to fold compactly, where in folding the slats intervene between sections of the jointed slat L, a double hinge, N, is employed. This may be seen in Fig. 1, but is best shown in Fig. 3.

Any suitable means for holding the top or resting surface in place when extended may be employed. When a jointed slat or rod con-

nection for the slats I of sufficient rigidity is used, nothing else may be needed; but in any case, clasps or pins for engaging with the top coils of the outermost springs of the end rows, or pins engaging with fastenings thereon, as indicated in dotted outline in Fig. 3, may be used.

Though shown as consisting of connected longitudinal slats, the top or resting surface of the bed-bottom may be of other constructions providing for its folding or contraction.

The connections for the top coils of the springs form rests for the top or resting surface when extended.

Bed-bottoms involving improvements above described may be made with or without springs, and yet possess the advantages of packing in small space without increasing in length, and affording provision for folding or moving aside the top or resting surface so as to facilitate the dusting and cleaning of every part without necessitating the removal of the bed-bottom from the bedstead.

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

1. A bed-bottom having a top or resting surface, and supports therefor, substantially as described, each capable of being independently folded or shifted, for the purposes set forth.

2. A bed-bottom having a top or resting surface, and supports therefor, substantially as described, each capable of being independently folded, the supports, by swinging into positions nearly parallel with the length of the top surface, substantially as and for the purpose set forth.

3. A bed-bottom having a top or resting surface, and supports therefor, substantially as described, each capable of being independently folded, and the supports being provided with springs, substantially as set forth.

4. The bed-bottom, consisting of the top or resting surface composed of the slats I, and capable of being folded transversely, the supports B therefor, the springs C, clasps D uniting the top coils of the latter, and the slats A and A′, substantially as set forth.

SAMUEL H. REEVES.

Witnesses:

CHANDLER HALL,

THOMAS E. BIRCH.