

C. W. Mutell,

Bed Bottom.

No. 103646.

Patented May 31, 1870.

Fig 1

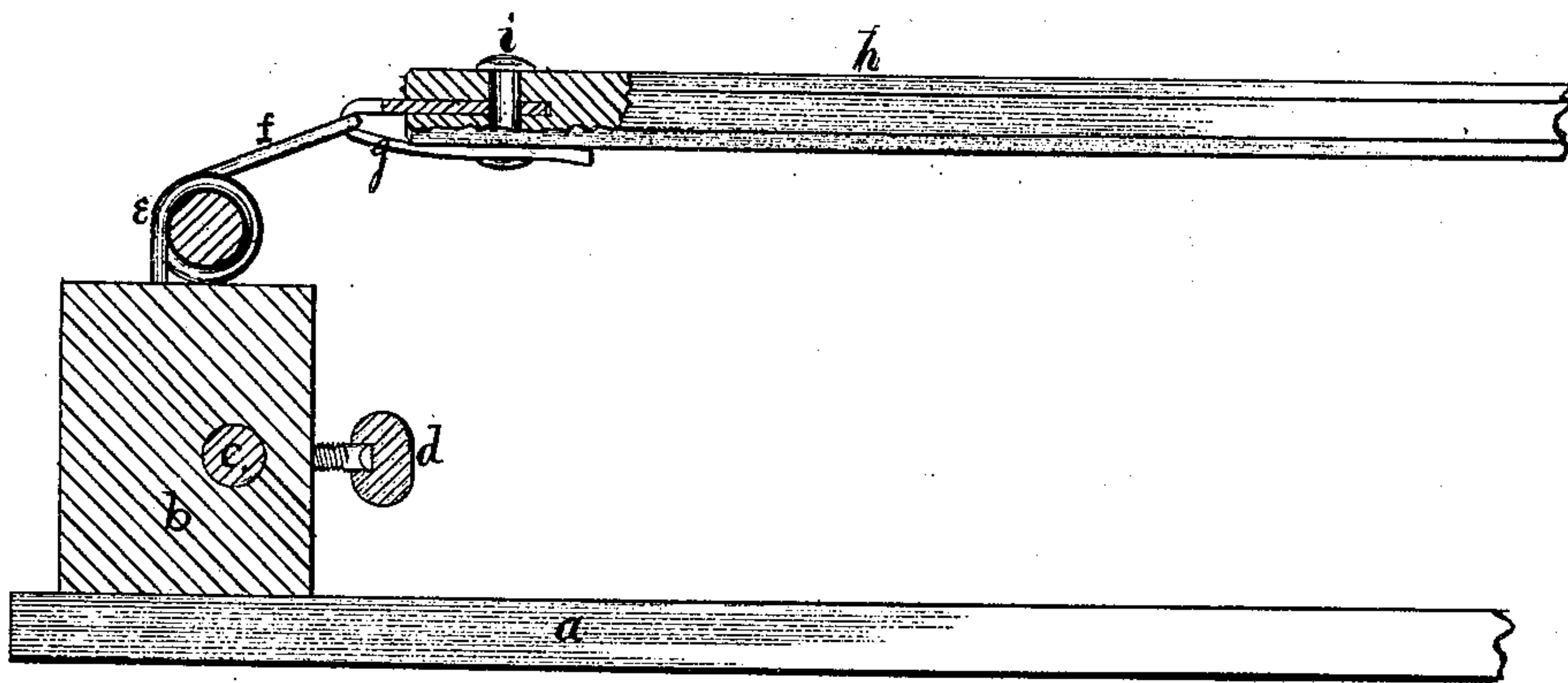
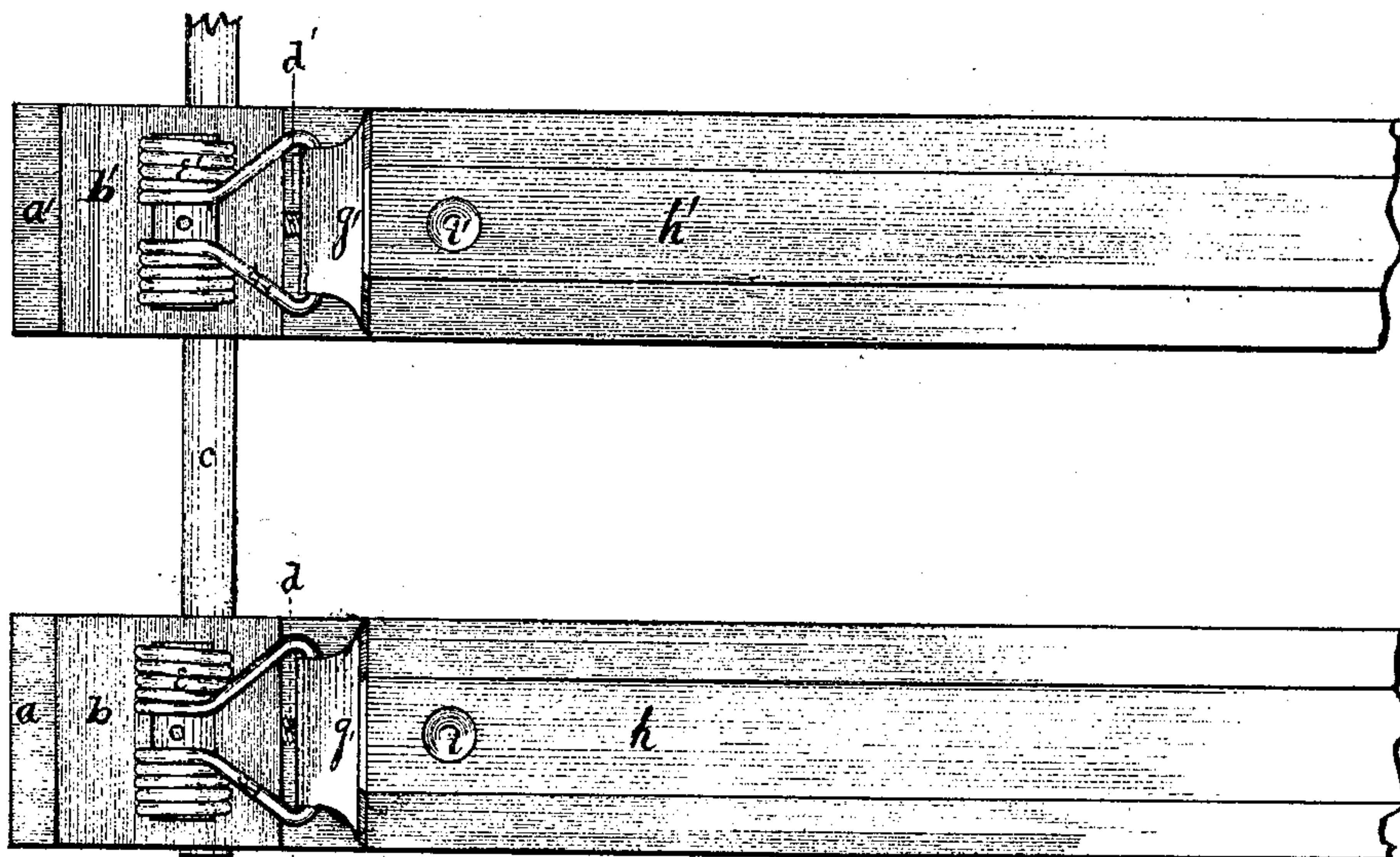


Fig 2



Witnesses
Geo. W. Winslow
John A. Hall

Inventor
Charles W. Mutell
By Sidney Sanders, Atty

United States Patent Office.

CHARLES W. MUTELL, OF SPRINGFIELD, MASSACHUSETTS.

Letters Patent No. 103,646, dated May 31, 1870.

IMPROVED SPRING BED-BOTTOM.

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

I, CHARLES W. MUTELL, of Springfield, in the county of Hampden and State of Massachusetts, have invented certain Improvements in Spring Bed-Bottoms, of which the following is a specification, reference being had to the accompanying drawing making a part hereof, in which—

Figure 1 is a sectional side elevation of a detached portion of a bed-bottom embodying my improvements, and

Figure 2 a plan of the same.

My invention relates to that class of spring bed-bottoms in which narrow slats are connected, at head and foot, with the inclined arms of coil springs, and consists in a device whereby each slat, if bent or sprung downward, may be inverted; in the combination of certain elements to form "sections," and in the combination of the sections so formed. Each section consists of a top and bottom slat connected at each end by a leather, spring, and block.

The construction and arrangement of the several sections being the same at both ends, only one end thereof is shown in the accompanying drawing, in which—

The parts marked *a a'* are the bottom slats.

b b' are blocks or elevations, arranged as shown, and made fast to such slats.

At each end of the several sections, and connecting the same, is a rod, *c*, passing through the blocks *b b'*, and allowing such sections to move laterally thereon.

d d' are set-screws, bearing on rod *c*, whereby the several sections are confined at any given point or distance apart.

e e' are double-coil springs, the legs whereof enter the blocks *b b'*, and the united arms whereof, projecting forward and upward, form eyes *f f'*, through which

eyes pass the leathers *g g'*, whereby the top slats *h h'* are connected with the springs.

Instead of attaching the leathers *g g'* to the surface of slats *h h'*, I make a horizontal slot in the ends of such slats, and confine therein, by nails or otherwise, the leathers *g g'*, as in fig. 1.

Through vertical holes in slats *h h'* I pass movable pins *i i'*, and provide both ends of such pins with heads, knobs, or projections.

The leathers *g g'*, after passing through eyes *f f'*, hook or fasten onto pins *i i'* beneath slats *h h'*. To invert such slats, detach them from the springs, press on the projecting portions of pins *i i'* till the opposite ends thereof project from the opposite sides of slats *h h'*, turn the slats over and attach them to the springs as before, and this device may be used with a single or double-coil spring, and the pins *i i'* may be made permanent and fixed in slats *h h'*, without altering the nature or principle of the separate sections, considered as sections.

I am aware that spring bed-bottoms have heretofore been constructed in sections, and I do not claim such a device, broadly, but confine myself to the sections, and the combination thereof, herein specified.

Claim.

I claim as my invention—

The combination, by means of rods *c* and screws *d*, of two or more sections, severally composed of slats *a h*, blocks *b*, springs *e*, leathers *g*, and pins *i*, all constructed, arranged, and operating in the manner and for the purpose specified.

Witnesses:

CHAS. W. MUTELL.

FRANK P. MORRILL,
SIDNEY SANDERS.