J. MAGERS.
Bed-Bottoms.

No. 198,892. Patented Jan. 1, 1878.

Fig. 1.

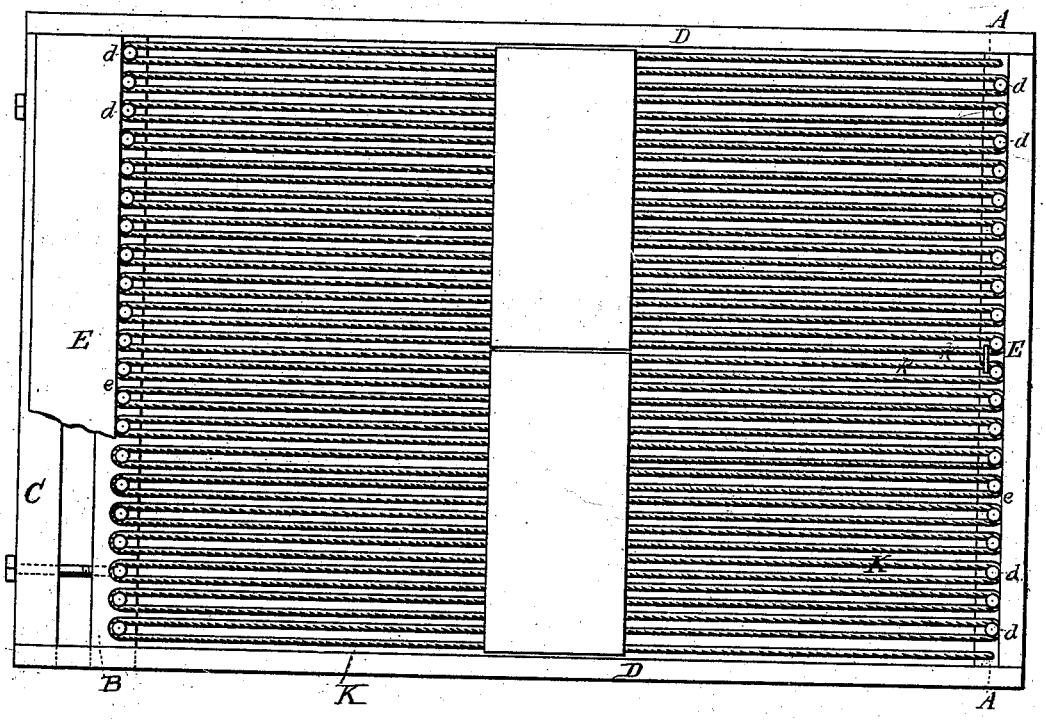


Fig. 2.

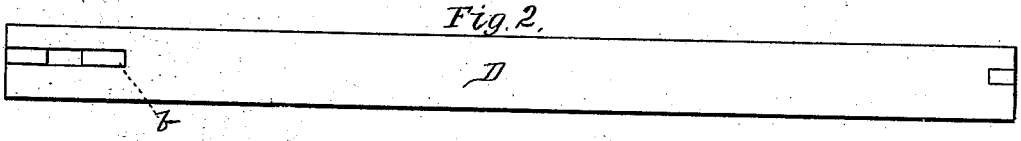


Fig. 3.

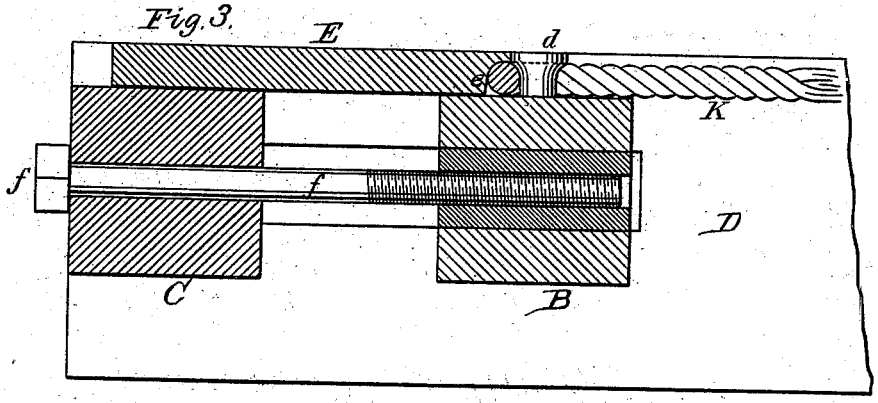
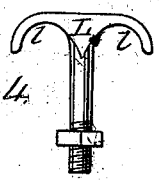


Fig 4.



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JAMES MAGERS, OF GERVAIS, OREGON.

IMPROVEMENT IN BED-BOTTOMS.

Specification forming part of Letters Patent No. **198,892**, dated January 1, 1878; application filed September 15, 1877.

To all whom it may concern:

Be it known that I, JAMES MAGERS, of Gervais, in the county of Marion and State of Oregon, have invented a new and valuable Improvement in Bed-Bottoms; and I 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 annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a top view of a bed-bottom constructed according to my invention, showing one of the retaining-cleats removed partially. Fig. 2 is a side view. Fig. 3 is a central vertical section; and Fig. 4 a detail view of the tightening-hook.

My invention relates to improvements in cording and tightening the cords of bed-bottoms, and consists in the cord-rails of a bed-bottom having rows of slightly-headed or straight pins, in combination with the undercut slats or cleats.

It also consists in the combination, with the cord-rail and cord of a bed-bottom, of the double-hooked clamping-bolt, as will be hereinafter more fully shown and described.

In the drawings, A designates the stationary cord-rail of a bed-bottom. B is the adjustable cord-rail, and C the stationary end rail. In the top of each cord-rail is a row of pins, *d*, having heads which do not project so much as to retard the operation of cording, but sufficiently to retain the cord upon the pins during said operation, and before any great degree of tension is applied. These heads do not project sufficiently to insure the retention of the cord when tightened as required when the bed-bottom is in use, and I, therefore, after placing the cord around the pins, secure upon the tops of the cord-rails slats or cleats E, having curved undercut edges *e*, which project over the outer bends of the cords and against the tops of the pins, as shown in Fig. 2, thus preventing the cord from slipping off the pins when tightened.

When the bed-bottom has been thus corded, and the adjustable cord-rail B is at the inner limit of its slots *b b* in the side rail D, I apply a wrench to the square heads of the adjusting-screws *f*, the smooth shanks of which fit in holes in the stationary end rail C, and the threaded ends of which take into stationary nuts fixed in the adjustable cord-rail B, and draw said rail outward until the cord K is sufficiently taut.

Through the stationary cord-rail A is a double hook-headed bolt, L, (shown detached in Fig. 4,) the hooks *l l* of which clamp upon the two central strands *k k* of the cord, and when the nut on said bolt is screwed up said hooks hold the cord so tightly to the rail as to prevent its slipping, so that a person sleeping upon one side of the bed does not affect the other side, or the rolling of a heavy person upon one side of the bed would not discommode a lighter person on the other side.

I only use the slightly-headed pins for convenience in cording. Straight pins may be used as well.

Having now fully described my invention, I claim—

1. The cord-rails of a bed-bottom, having rows of slightly-headed or straight pins, in combination with the undercut slats or cleats, as and for the purpose set forth.

2. The combination, with the cord-rail and cord of a bed-bottom, of the double-hooked clamping-bolt, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JAMES MAGERS.

Witnesses:

BENJ. P. STEVENS,

JOHN PATTERSON.