

S. B. Freeman,

Bed Bottom.

No. 108470.

Patented Oct. 18. 1870.

fig. 1

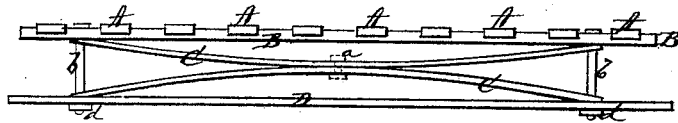


fig. 2

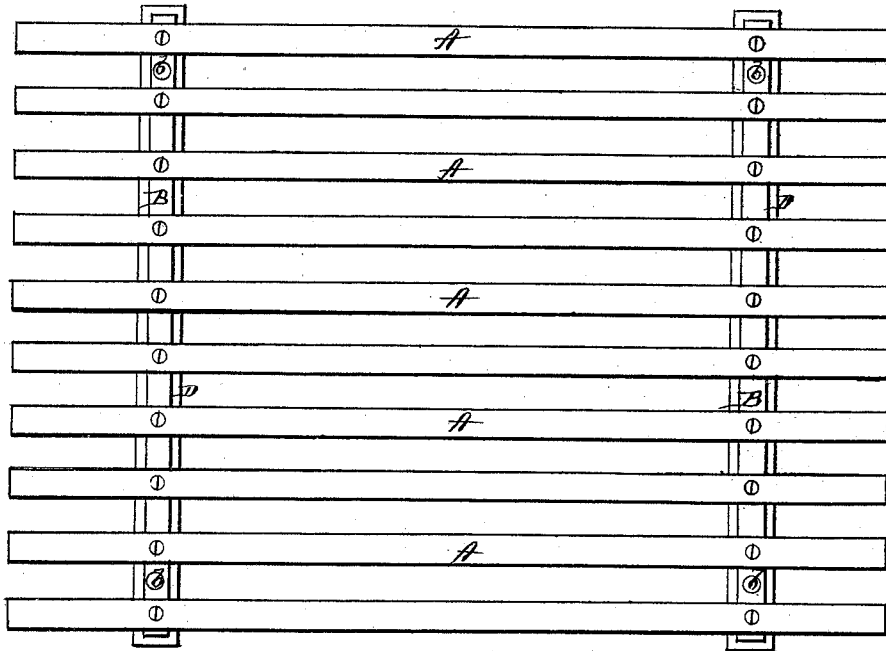
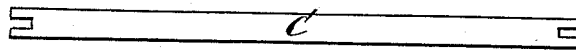


fig. 3



Witnesses:

C. L. Evert,
Oct. 18. 1870

Inventor.

Safford B. Freeman
for Alexander D. Mason

attys.

United States Patent Office.

SAFFORD B. FREEMAN, OF BURLINGTON, IOWA.

Letters Patent No. 108,470, dated October 18, 1870.

IMPROVEMENT IN BED-BOTTOMS.

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

To all whom it may concern:

Be it known that I, SAFFORD B. FREEMAN, of Burlington, in the county of Des Moines and in the State of Iowa, have invented certain new and useful Improvements in Bed-Bottoms; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of a "Bed-Bottom," as will be hereinafter fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is an end view, and

Figure 2 a plan view of my bed-bottom.

Figure 3 is a plan view of one of the springs.

A A represent the bed-slats, which run lengthwise in the bed, and are secured near their ends to cross-bars, B B, running underneath the same.

The slats, A A, are let into the cross-bars, B B, as shown in fig. 1, and then fastened by screws.

Each of the cross-bars B rests upon two wooden springs, C C, resting on a cross-bar, D, in the bed.

The springs C C at each end of the bottom are bent in opposite directions, as shown in fig. 1, and

placed one on top of the other. The two springs may then be connected together in the center by a bolt, *a*, or they may be loose if so desired.

The ends of the springs C C are cut out, as shown in fig. 3, and a bolt, *b*, is passed down through the cross-bars B and D, at each end of the pair of springs, said bolt passing through the slots or notches in the springs, and fastened by a nut, *d*, underneath.

It will readily be seen that by means of the nuts *d* the spring of the bed-bottom can be easily regulated.

Having thus fully described my invention,

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

1. The springs C C, constructed and arranged as described, and regulated by means of the bolts *b b* and nuts *d d*, substantially as and for the purposes herein set forth.

2. The combination of the slats A A, cross-bars B B and D D, springs C C, bolts *b b*, and nuts *d d*, all constructed and arranged substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing, I have hereunto set my hand and seal this 15th day of September, 1870.

SAFFORD B. FREEMAN. [L. S.]

Witnesses:

O. S. OSGOOD,

O. C. WIGHTMAN.