(No Model.)

A. KEENHOLTS.

SPRING BED BOTTOM.

No. 341,246. Patented May 4, 1886.

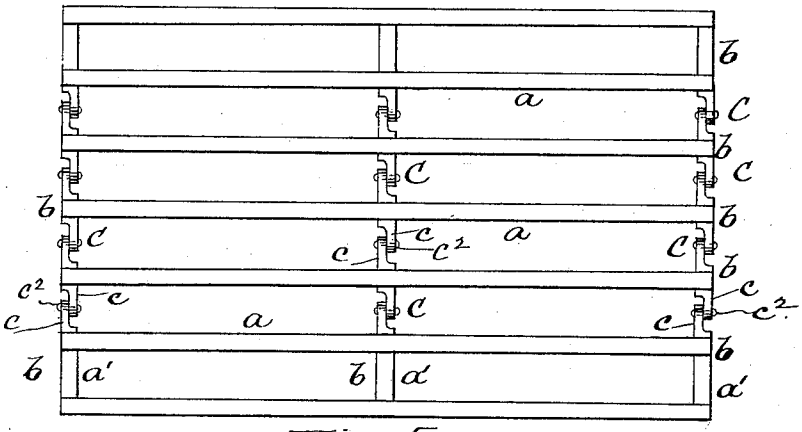


Fig. 1

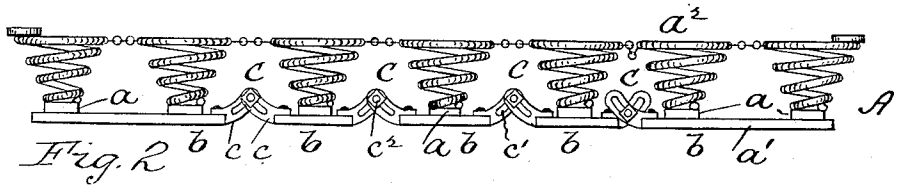


Fig. 2

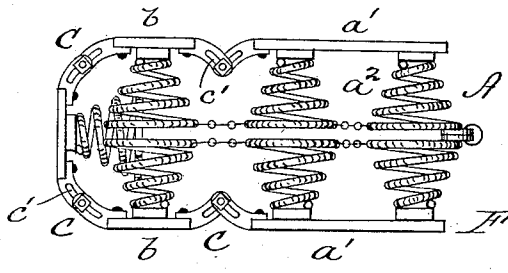


Fig. 3

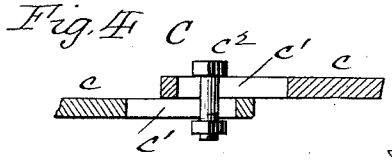


Fig. 4

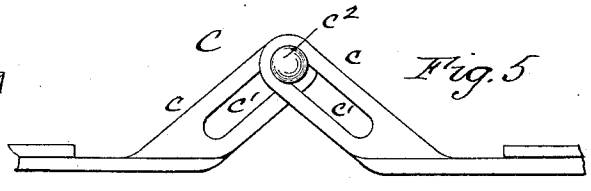


Fig. 5

WITNESSES:

Wm. H. Van Horn

M. H. Walker

INVENTOR,

Addison Keenholts

By L. J. Van Stavoren

ATTORNEY

N. PETERS, Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

ADDISON KEENHOLTS, OF PHILADELPHIA, PENNSYLVANIA.

SPRING BED-BOTTOM.

SPECIFICATION forming part of Letters Patent No. 341,246, dated May 4, 1886.

Application filed January 27, 1886. Serial No. 189,902. (No model.)

To all whom it may concern:

Be it known that I, ADDISON KEENHOLTS, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Spring Bed-Bottoms, of which the following is a specification, reference being had therein to the accompanying drawings, wherein—

Figure 1 is a plan of the bottom slats of a spring bed-bottom, showing hinged connections between the slats embodying my improvements. Fig. 2 is an end view of a spring bed-bottom showing my improvements. Fig. 3 is an end view showing the bed-bottom folded. Fig. 4 is a horizontal section of one of the hinge-connections; and Fig. 5 is an elevation of same, showing the leaves of the hinge and their supporting-bars integral.

My invention has relation to that form of bed-bottoms composed of sections united by slotted hinges; and it has for its object to provide a hinge-connection of simple and economical construction which permits the bottom to be made wider or narrower, to suit different widths of beds, and adapts the bottom to be folded into compact form for transportation or other purposes.

My invention accordingly consists of a spring bed-bottom the slats or sections of which are united by hinges, each leaf of which is slotted, and which are connected by a bolt or pintle working loosely in each leaf-slot, to adapt the leaves of the hinges to slide upon each other to vary the width of the bed-bottom and permit it to be folded.

My invention further consists of the combination, construction, and arrangement of parts, as hereinafter more particularly described and claimed.

In the drawings, A represents a spring bed-bottom of any well-known or other practical kind, and is shown composed of longitudinal bottom slats, *a*, transverse slats *a'*, and springs a^2. The slats *a'* are divided into sections or divisions *b b*, united by hinges or pivotal connections C, composed of two leaves or arms, *c c*, having slots *c'*, through which passes loosely a pin or pintle, c^2, as more plainly shown in Fig. 4.

The leaves or arms *c c* may be of any suitable form or design, and may be either separate from the slats *a'* and riveted or otherwise fastened thereto, or they may be integral with slats *a'*, as shown in Fig. 5.

The pintle c^2 may be a bolt and nut, as indicated in Fig. 4, or a rivet, as illustrated in Fig. 5, or otherwise made, as desired.

The slots in the leaves of the hinges C admit of the leaves sliding on each other to either draw the longitudinal slats *a* together or spread them apart to alter the width of the bed-bottom to suit different sizes of bedsteads, and the hinges themselves admit of folding the bed-bottom into compact form for shipping or storage purposes.

Any number of hinges may be used. In the drawings I have shown four for each transverse slat *a'*, or divide the latter into five sections; but, if desired, a greater or less number may be used. The hinges may be made of wrought, sheet, cast, or other metal or suitable material, as desired.

What I claim is—

1. In a spring bed-bottom, a series of clips forming part of the cross rods or stays, each clip having a slot, and connected in pairs by a pintle passing through and working loosely in both the slots of a pair to form extension-hinges for the bed-bottom and admit of its folding, substantially as shown and described.

2. A spring bed-bottom having cross stays or rods made in sections, upwardly-projecting slotted arms at the meeting ends of the sections, and pintles or bolts loose in the slots in said arms and connecting them together to form extension-hinges and admit of the folding of the bed-bottom, substantially as shown and described.

3. A hinge for spring bed-bottoms, composed of two adjoining leaves, each having a slot in its outer end, and a pintle loose in both slots and connecting the leaves together, substantially as shown and described.

4. The bed-bottom hinge C, composed of leaves or arms *c c*, having slots *c' c'*, and pintle c^2, loose in both said slots, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

ADDISON KEENHOLTS.

Witnesses:
JOHN RODGERS,
S. J. VAN STAVOREN.