

982,959.

Fig. 2.

Fig. 1.

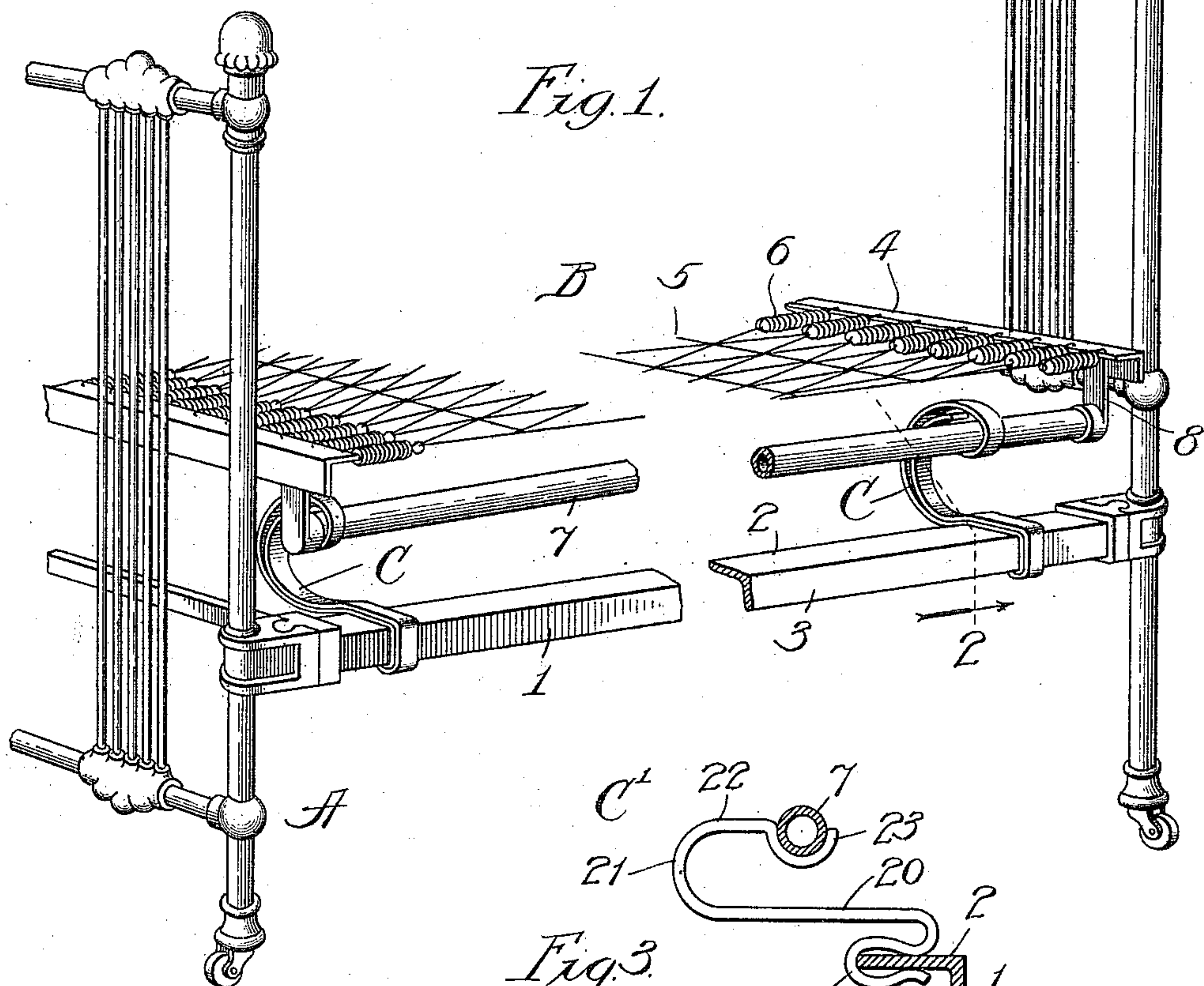


Fig. 3.

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# UNITED STATES PATENT OFFICE.

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## BED-SPRING SUPPORT.

982,959.

Specification of Letters Patent.

Patented Jan. 31, 1911.

Application filed July 28, 1910. Serial No. 574,368.

*To all whom it may concern:*

Be it known that I, THEODORE HAUSER, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Bed-Spring Supports, of which the following is a specification.

My invention relates particularly to means for supporting a bed-spring on the side-rails of a bedstead; and my primary object is to provide a simple device of the character indicated adapted to be readily connected with a side-rail of a bedstead and upon which the bed-spring may be mounted with facility, said device serving to support the bed-spring in an improved manner and contributing to the comfortableness of the bed in use.

The invention is illustrated in the preferred embodiment in the accompanying drawing, in which—

Figure 1 represents a perspective view of a bed equipped with my improvements; Fig. 2, a sectional view taken as indicated at line 2 of Fig. 1 and showing the preferred form of bed-spring supporting-device employed; and Fig. 3, a view similar to Fig. 2 and illustrating a modification of the bed-spring supporting-device.

Referring to Figs. 1 and 2, A represents a bedstead having side-rails 1 (one shown); B, a bed-spring, adapted to be mounted on the side-rails of the bedstead; and C, my improved bed-spring mounting device adapted for ready connection with the side-rails of the bed and serving as a means for mounting the bed-spring thereon. The design and construction of the bedstead may be as desired. Ordinarily, in metal beds, for use in connection with which my invention is particularly adapted, there are employed angle-form side-rails having intumed flanges 2 and downturned flanges 3. The bed-spring B may be of any suitable construction. In the form shown, the bed-spring comprises angle-form end-members 4, of woven-wire fabric 5 connected with said end-members by helical-springs 6, and tubular longitudinal members or side-bars 7 the ends of which are equipped with upturned members 8 upon which the cross-bars 4 are readily mounted. Each device C preferably is formed of a metal bar, or strap, which is bent upon itself to afford two leaves 9 and 10. At the folded end of the member, the

two leaves, or plies, which lie side by side, are formed to afford a horizontal portion 11 adapted to rest upon the horizontal flange 2 of the piston-rail; a downturned portion 12 adapted to embrace the outer surface of the flange of the rail, and a hook 13 adapted to engage the lower edge of the flange 3. From the horizontal portion 11, the leaves of the spring extend inwardly and are curved and turned upwardly and outwardly to afford an outwardly presented concavity 14. The lower, or outer, leaf 10 of the spring is extended to lie substantially above the concavity 14 and is formed with a hook 15 adapted to receive the tubular member 17 of the spring-frame. Near the free extremity of the leaf 9 the leaf is curved away from the leaf 10, and said leaf 9 terminates at the point 16. The leaves are thus separated by the space 17, and the extremity 16 of the leaf 9 is separated from the extremity of the hook 15 by a space 18. The space 18 is preferably somewhat less than the diameter of the member 7, so that when the spring is sprung into engagement with the member 7 the extremity 16 will tend to prevent disconnection of the parts. In assembling the parts, the springs C, usually four in number, may be applied to the side-rails of the bedstead, and the bed-spring may be connected with the springs by entering the side-rails through the concavities 14 and forcing the extremities 16 of the leaves 9 to yield to permit the bars 7 to be brought into engagement with the hooks 15. In use, the curved portions of the leaves 10 will yield, as indicated by dotted lines in Fig. 2, and under suitable weight the curved portion of the leaf 10 will be brought into engagement with the curved portion of the leaf 9, the extent of engagement increasing more and more as the leaf 10 is flexed, so that the leaf 9 will serve to supplement the leaf 10 in supporting the bed-spring.

In the modification shown in Fig. 3, C' represents a mounting, comprising a shank formed with a hook or clamping portion 19 adapted to engage the intumed flange 2 of the angle-form side-bar of the bedstead, and an inwardly extending arm 20 carried by said shank and having a recurved portion 21 terminating in an outwardly extending part 22 disposed above the arm 20 and equipped with a socket or bearing 23 adapted to receive the side-bar 7 of the bed-spring



frame. The device C' is preferably of resilient or spring metal, so that the mountings will yield under load.

In both constructions illustrated, each mounting has a rail-clamping shank adapted to engage the bedstead rail by a self-clamping action, an inwardly extending arm which is curved upwardly and outwardly, and an outwardly presented extremity formed with a bearing or socket adapted to receive and support the rail of a bed-spring frame. In the preferred form, the arm comprises a pair of normally separated leaves, one of which leaves is equipped with a bearing or socket for the side-rail of the bed-spring frame; and the shank of the device is fashioned to project across and bear upon the upper surface of the side-rail of the bedstead and has a hook adapted to engage the lower edge of said rail.

The foregoing detailed description is given for clearness of understanding only and no undue limitation is to be understood therefrom, but the appended claims are to be construed as broadly as permissible in view of the prior art.

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

1. In means of the character set forth, the combination with a bedstead and bed-spring frame, of supporting devices serving as a means for mounting the bed-spring frame, each device comprising a pair of spring leaves and a shank provided with means for engaging the rail of a bedstead, one of said leaves having a curved portion and a rail-re-

ceiving socket at its extremity and the other leaf having a curved portion lying beneath said first-named curved portion and normally separated therefrom by a space.

2. A mounting of the character set forth, comprising a pair of spring leaves and a shank carrying the same, said shank having rail-clamping means, one of said leaves having a socket adapted to receive the rail of a bed-spring frame, and the other of said leaves having its free end-portion spaced beneath the first-mentioned leaf, for the purpose set forth.

3. A mounting of the character set forth, comprising a pair of spring leaves and a shank carrying the same, said shank having rail-clamping means, one of said leaves having a socket adapted to receive the rail of a bed-spring frame and the other of said leaves having its extremity spaced from said socket to afford a stop preventing dislodgment of the rail of said bed-spring frame.

4. A mounting for the purpose set forth, comprising a bar bent upon itself and affording two leaves, the folded end formed to afford a self-supporting rail-engaging shank, said leaves extending inwardly and curved upwardly and outwardly, the other leaf extended and provided with a rail-engaging hook and the other leaf curved beneath the same and normally spaced therefrom, for the purpose set forth.

THEODORE HAUSER.

In presence of—

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