

J. F. BEATTY.  
BED.

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Fig. 1.

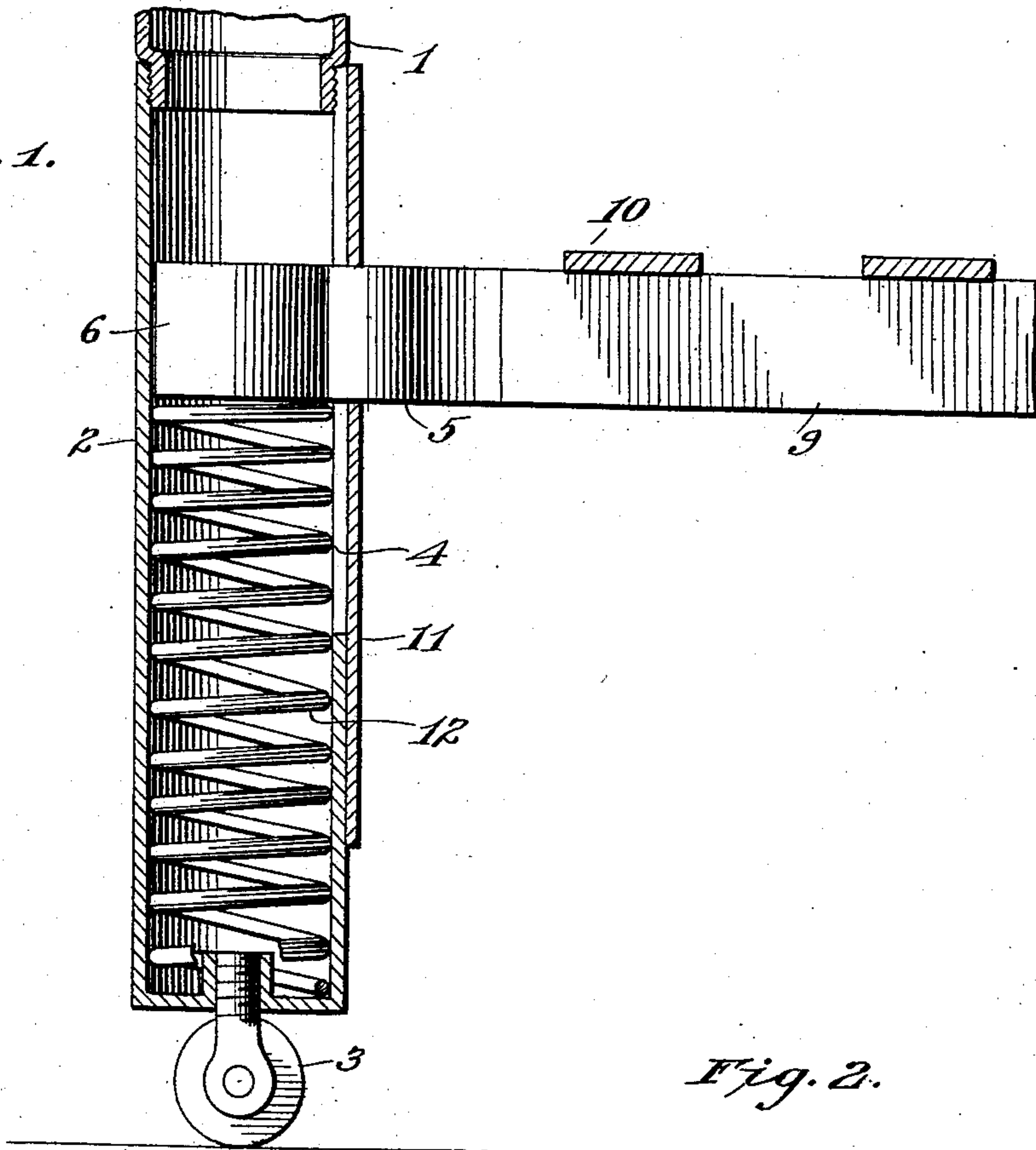
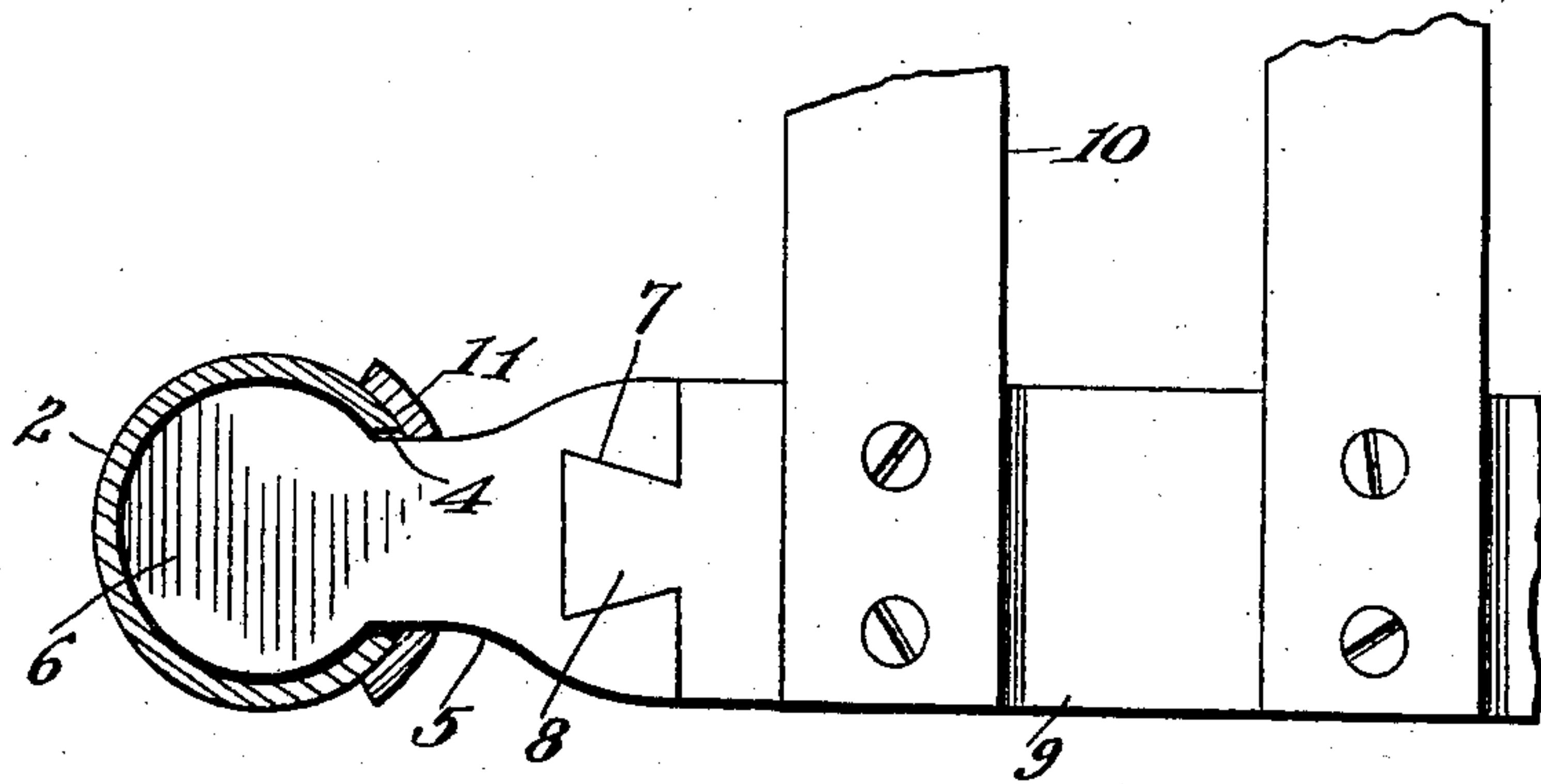


Fig. 2.



Witnesses

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# UNITED STATES PATENT OFFICE.

JOHN F. BEATTY, OF MORTON, PENNSYLVANIA.

BED.

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*To all whom it may concern:*

Be it known that I, JOHN F. BEATTY, a citizen of the United States, residing at Morton, in the county of Delaware and State of Pennsylvania, have invented certain new and useful Improvements in Beds, of which the following is a specification.

My invention relates to improvements in beds, and more particularly to an improved spring mounting for the mattress-supporting frame, which will dispense with the necessity for the heavy cumbersome spring now in use.

A further object is to provide an improved construction of a bed post containing a spring and a frame coupling, and so connect the sections of the post as to enable the ready assembling of the parts, and the replacing of a broken or injured spring.

With these and other objects in view the invention consists in certain novel features of construction, and combinations, and arrangements of parts as will be more fully hereinafter described and pointed out in the claim.

In the accompanying drawings Figure 1, is a view partly in vertical section illustrating my improvements, and Fig. 2, is a view in cross section.

1 represents the upper and 2 the lower tubular sections of a bed post, said sections constructed with intermeshing screw threads to permit their ready connection and separation. The lower section 2 is supported at its lower end by an ordinary caster 3, and is provided with a longitudinal slot 4 which extends from a point between its ends to its upper end. A coupling 5 having a cylindrical head 6 located in the tubular section 2, projects through the slot 4 and is made with a mortise 7 to receive a tenon 8 on the side bar 9 of the mattress-supporting frame 10.

Cast integral with the coupling 5, or if desired made separate and secured thereto, is a curved shield 11. This shield is so located that it will hide the slot 4 in section 2, and prevents any possibility of children catching their fingers in the slot 4, to be pinched by the movement of the coupling.

As above explained, the slot 4 extends to the upper end of the section 2 which enables the coiled spring 12 to be inserted from the top, and after the coupling 5 has also been inserted, and rests upon the spring, the section 2 can be screwed onto section 1, when

the parts will be secured in assembled position. By reason of this arrangement of parts, should the spring be injured or broken, the section 2 can be disconnected from section 1, and the spring replaced by a new one, which will be a very valuable feature, as it would enable the owner of the bed to repair the same with but slight expense. The mattress-supporting frame 10 when connected to the four couplings 5, as it is to be understood that four of these couplings would be employed in the four bed posts, will have a spring support which will render the bed a very comfortable one, and will dispense altogether with the necessity for a heavy, costly spring such as is now in general use.

My improvements do not in any way disfigure the bed, and to all appearance the bed is the same as ordinarily made, and the bed can be sold to the trade at but slightly greater cost than are the beds as ordinarily made, and will save the purchaser the cost of a spring.

A great many slight changes might be made in the general form and arrangement of parts described without departing from my invention, and hence I do not restrict myself to the precise details set forth, but consider myself at liberty to make such changes and alterations as fairly fall within the spirit and scope of my invention.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is:

The combination with a bed post, comprising two tubular sections screwed together, the lower section having a longitudinal slot extending from a point between its ends to its upper end, the lower end of the upper section constituting a closure for the upper end of the slot, a coiled spring in said lower section, a coupling movable in said slot and having a head supported on the spring, a curved shield carried by said coupling and hiding the slot, and a mattress supporting frame removably connected to said coupling.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN F. BEATTY.

Witnesses:

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