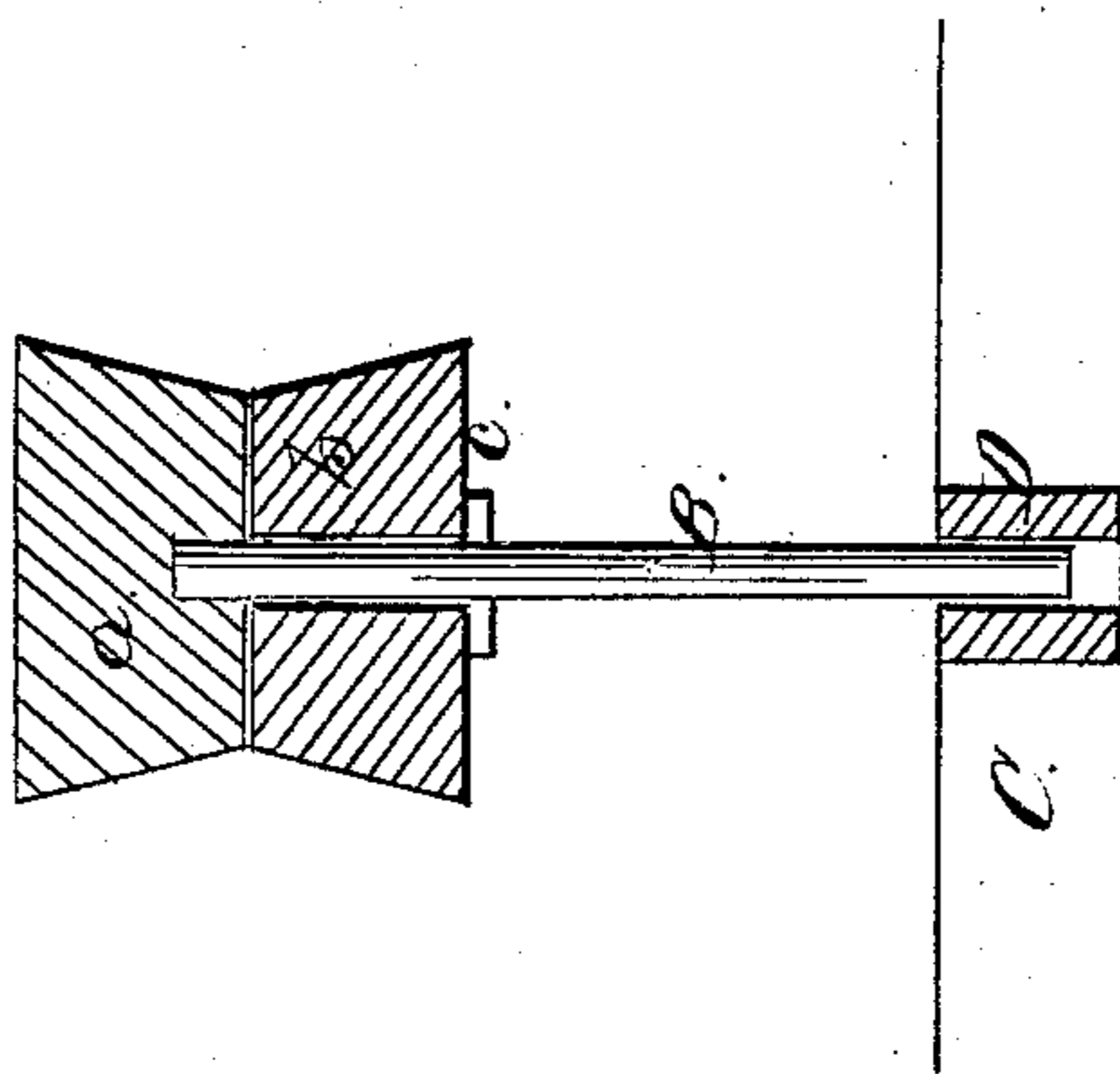
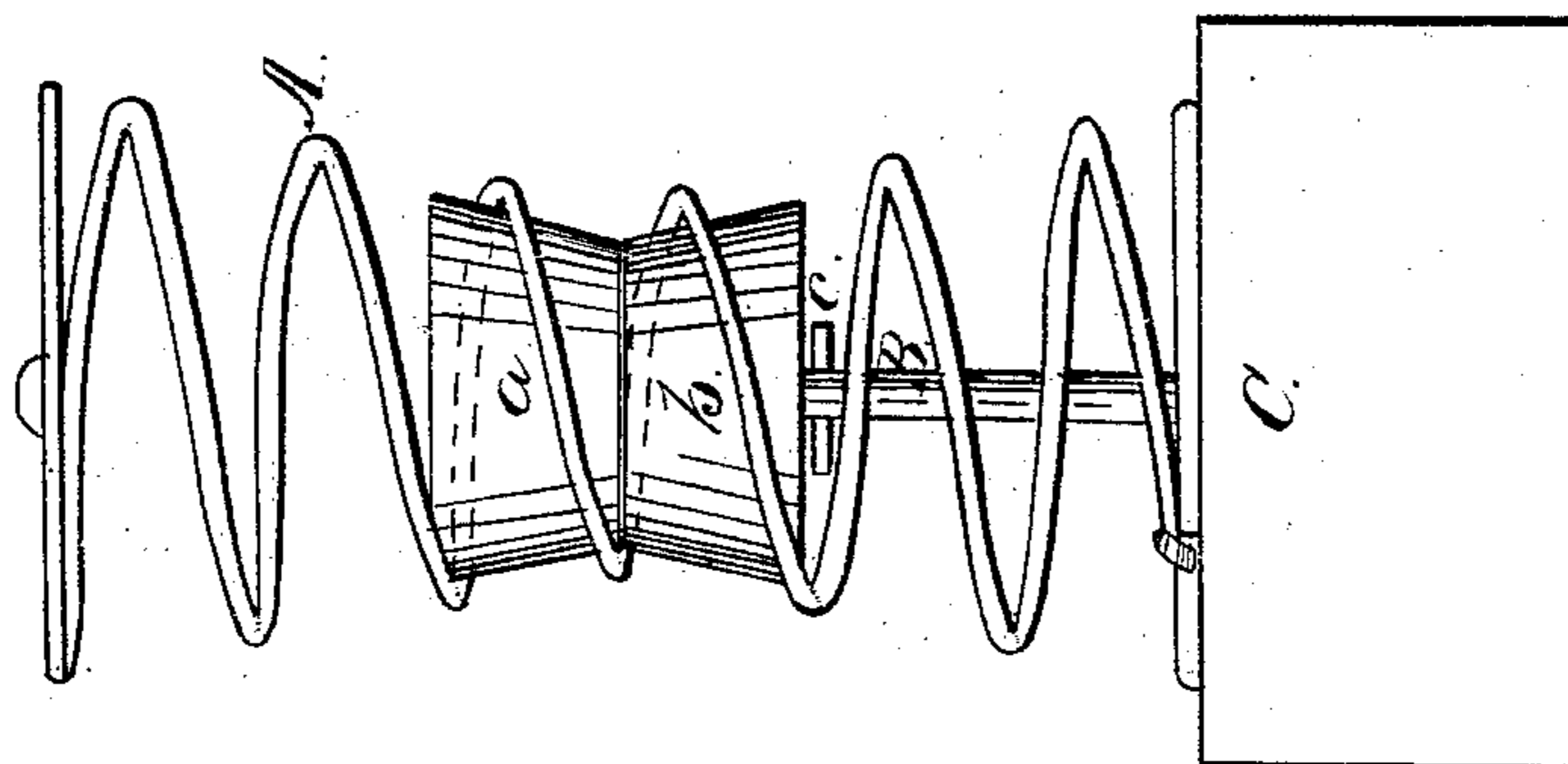


*W. Hersee,*  
*Upholstering Spring,*  
*No 18,585, Patented Nov. 10, 1857.*

*Fig: 2*



*Fig: 1*



# UNITED STATES PATENT OFFICE.

WILLIAM HERSEE, OF BUFFALO, NEW YORK.

SPRINGS FOR MATTRESSES, CHAIRS, &c.

Specification of Letters Patent No. 18,585, dated November 10, 1857.

*To all whom it may concern:*

Be it known that I, WILLIAM HERSEE, of Buffalo, in the county of Erie and State of New York, have invented a new and useful  
5 Improvement in Springs for Spring-Mattresses, the Seats of Chairs, Sofas, &c.; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed  
10 drawings, making a part of this specification, in which—

Figure 1, is an elevation of my improvement. Fig. 2, is a detached view of the guide pin, the conical blocks at the upper  
15 end of the pin being bisected and also the socket in which the pin works.

Similar letters of reference indicate corresponding parts in the two figures.

My invention consists in having guide  
20 pins fitted within the usual springs, said pins being secured in the springs by means of conical blocks as will be presently shown, the lower ends of the pins being fitted and working through sockets inserted in the  
25 slats on which the springs are placed.

To enable others skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A, represents a spring of the usual form  
30 or construction such as is used for spring mattresses, the seats of chairs, sofas, etc., and B, is a wooden pin which has a head (a) of inverted conical form, said head fitting within the spring just above its cen-  
35 ter where it is smallest in diameter, the form of the spring at this point corresponding with that of the head (a) which fits snugly within the spring.

Under the pin B, there is placed loosely  
40 a block (b) which is of the same form and size as the head (a) but placed in a reverse position upon the pin B. The block (b) is placed within the spring just below its cen-

ter and is secured at that point by a pin (c) which passes transversely through the pin 45 below the block (b).

C, is the slat on which the spring A, rests. The slat has a socket D, secured in it, in which socket the lever end of the pin B, is fitted. The socket may be formed of wood 50 or other material, and the pin is fitted sufficiently loose therein that it may slide freely up and down.

By means of the pin B, the spring is properly supported in a vertical position 55 and prevented from being moved sidewise or inclined by lateral pressure, hence it is valuable for spring mattresses, as the additional cost of the pin and socket is but trifling. At present many diagonal hori- 60 zontal springs are employed to obviate this difficulty, viz., the displacement of the vertical springs which plan adds very materially to the expense of spring mattresses and do not answer as good a purpose as my im- 65 provement. Any number of springs may be used according to the size of the mattress. The improvement may also be used advantageously in all cases where the ordinary springs are used. 70

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

Supporting or maintaining the spring A, in a proper vertical position upon the 75 slat C, by means of the guide pin B, secured within the spring, by means of the head (a) and block (b); the lower end of the pin being fitted and working in or through the socket D, in the slat C, substantially as and 80 for the purpose specified.

WILLIAM HERSEE.

Witnesses:

DENSON FAGAN,  
JOHN AIKENSIDE.