

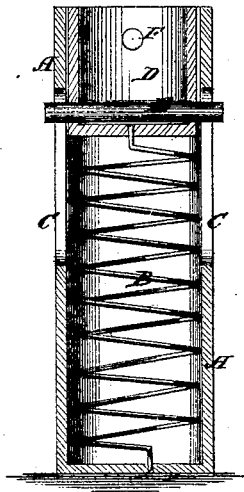
D. F. HARTMAN.

Improvement in Spring-Guards for Legs of Furniture.

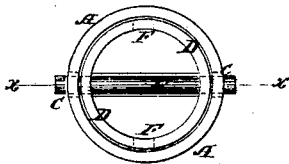
No. 114,812.

Patented May 16, 1871.

*Fig. 1.*



*Fig. 2.*



Witnesses:

*P. C. Dieterich.*

*Wm. H. Smith.*

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PER

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# United States Patent Office.

DANIEL F. HARTMAN, OF CHARLES CITY, IOWA.

Letters Patent No. 114,812, dated May 16, 1871.

## IMPROVEMENT IN SPRING GUARDS FOR LEGS OF FURNITURE.

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, DANIEL F. HARTMAN, of Charles City, in the county of Floyd and State of Iowa, have invented a new and useful Improvement in Spring Guard; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

This invention relates to a new and useful improvement in constructing and arranging a suitable casing or guard for spiral springs, designed for the legs of bedsteads, chairs, sofas, settees, &c.; and consists in a hollow tubular casing for containing the spring, and in a socket or box to work inside the casing for receiving the end of the chair or bedstead-leg, constructed so as to be fastened to the leg and to be kept in place by lugs on its sides, which lugs work in slots in the case, as will be hereinafter more fully described and specified.

In the accompanying drawing—

Figure 1 represents a vertical section of the device taken on the line *x x* of fig. 2.

Figure 2 is a top view.

Similar letters of reference indicate corresponding parts.

A is the tubular casing, in which the spiral spring B is placed.

This casing is made of any suitable metal, and of the required length and diameter to fit it for the use intended.

C C are vertical slots in the sides of the casing.

D is the socket, through which passes the pin E, forming lugs on each of its sides which project through the slots C C, as seen in the drawing.

The socket is designed to fit inside the case, so that it will readily play up and down. This socket D is fastened to the end of the chair-leg or bedstead.

The form of the casing may be modified, if desired, so as to adapt the socket and spring to sofas and settees, and all similar purposes.

F is a hole in the socket, by which the latter is fastened to the leg.

By this arrangement the spring is securely guarded, the socket is kept in its proper place, and the whole readily applied for the uses designed.

Having thus described my invention,

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

The two tubes A D, one arranged within the other, upon an ordinary spiral spring, and with a guide, E, in the manner specified, and for the purpose set forth.

DANIEL F. HARTMAN.

Witnesses:

C. A. WILSON,  
JOHN A. CATTANACH.