

No. 630,128.

Patented Aug. 1, 1899.

N. STOCK.
FURNITURE PAD.

(Application filed June 9, 1899.)

(No Model.)

Fig: 1.

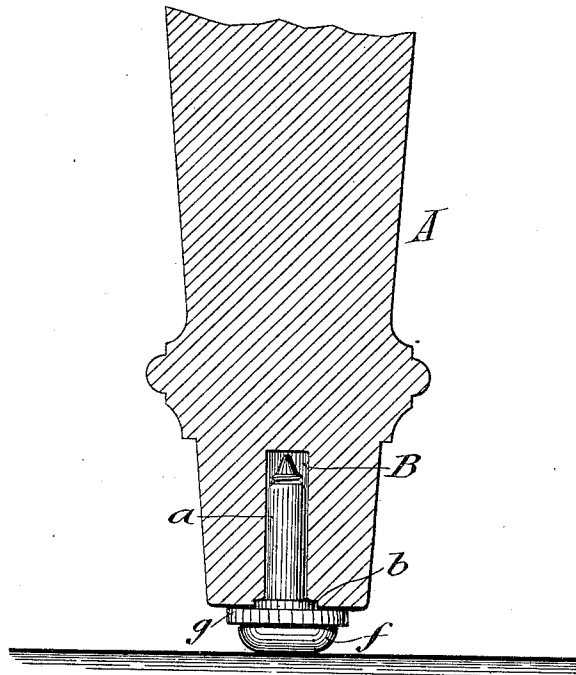


Fig: 2.

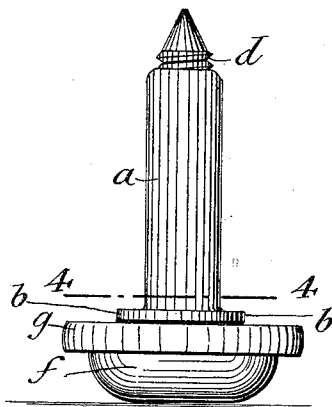


Fig: 3.

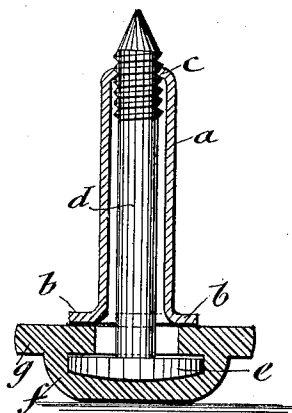
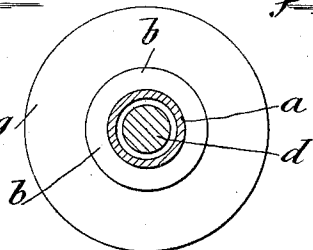


Fig: 4.



WITNESSES:

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UNITED STATES PATENT OFFICE.

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FURNITURE-PAD.

SPECIFICATION forming part of Letters Patent No. 630,128, dated August 1, 1899.

Application filed June 9, 1899. Serial No. 719,901. (No model.)

To all whom it may concern:

Be it known that I, NICHOLAS STOCK, a citizen of the United States, residing in Kingston, in the county of Ulster and State of New York, have invented certain new and useful Improvements in Furniture-Pads, of which the following is a specification.

The object of this invention is to provide a simple, durable, and comparatively inexpensive pad for use upon furniture as a protection to the same and to the floor or wall with which such articles come in contact.

The invention consists of a furniture-pad comprising a thimble provided at its upper end with an interiorly-threaded contracted portion or flange, an exterior flange at its lower end, a headed screw in said thimble and engaging the screw-thread of the contracted portion of the same, and an elastic cushion sprung upon the head of the screw and retained in frictional contact with said exterior flange of the thimble, and, further, in certain details of construction and combinations of parts, which will be more fully described hereinafter and finally pointed out in the claims.

In the accompanying drawings, Figure 1 is a vertical central section of the lower portion of a chair-leg, showing my improved furniture-pad applied thereto. Fig. 2 is a side elevation of my improved furniture-pad. Fig. 3 is a vertical central section through the same; and Fig. 4 is a plan view, partly in section, on line 4 4, Fig. 2.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, *a* represents a tubular sheet-metal thimble, which is provided at its lower end with an exterior flange *b* and at its upper end with an interior flange *c*, which is formed by gradually contracting the shell of the thimble at the upper end, so that it has preferably a rounded or tapering upper edge. Within said thimble is located the shank *d* of a headed screw, upon the head *e* of which is placed the elastic cushion *f*. The opposite end of the screw-shank is pointed and for a short distance back from the pointed end is provided with a screw-thread. The contracted upper end or flange of the thimble is provided with a correspond-

ing screw-thread. The head of the screw may be of any desired shape, but has preferably a convex face at that side which is adjacent to the floor when the pad is in use. The cushion *f* is formed of soft rubber or other suitable elastic material and in any approved exterior form and is provided with an interior cavity corresponding in shape to the screw-head *e* and with an opening in its upper side into said cavity, said opening being of less diameter than the head *e* and also of less diameter than the exterior flange *b* of the thimble and of such size as to permit the insertion and withdrawal of the screw-head from the cavity by stretching the cushion. The cushion may be provided, as shown in the drawings, with a flange at its upper part.

My improved furniture-pad is applied to furniture in much the same manner as a caster. The leg *A* of the chair or table is provided with a socket *B* of suitable depth and of such size as to fit the thimble, which latter is driven into said socket and retained therein by friction. The chair-leg is also provided with a countersink, which receives the flange *b* of the thimble, so that the same is rendered smooth with the lower surface of the chair-leg, as shown in Fig. 1. A cushion *f* is sprung upon the screw-head and the shank of the screw inserted into the thimble and guided by its point through the opening in the inner end of the same, so that the screw-thread readily engages that of the contracted portion *c* of the thimble. The shank is then turned until the cushion abuts against the lower flange of the thimble and against the chair-leg. The friction of the cushion with the flange and chair-leg and with the screw-head serves to retain the screw in position and prevents it from unscrewing when the chair is moved about or turned, so that no movement of the parts takes place and the cushion is retained rigidly in position until removed for replacing with a new one. When this is necessary, it may readily be accomplished by turning the cushion and unscrewing the screw by hand, taking off the old cushion, springing a new cushion upon the screw-head, and replacing the screw in the thimble in the manner first described. The lower flange of the thimble limits the forcing of the thimble into

the socket, so that the weight upon the chair-leg is borne in part by the flange *b* and in part directly by the cushion.

It is obvious that the pad may be applied not only to the legs of articles of furniture, but also to other parts of the same, wherever required, so as to act in the nature of a buffer. To adapt it to the special use, the various parts may be made in any size and proportions desired.

By my improved construction the leg is not weakened, as is the case when screwing in the screw-shank of the pads heretofore in use, and a strong and durable furniture-pad produced.

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

1. A furniture-pad, consisting of a thimble provided at its upper end with an interiorly-threaded contracted portion or flange, an exterior flange at its lower end, a headed screw in said thimble and engaging by its shank the screw-thread of the contracted portion, and an elastic cushion sprung upon the head

of the screw and retained in frictional contact with said exterior flange of the thimble, substantially as set forth.

2. The combination, with an article of furniture, provided with a socket, of a furniture-pad, consisting of a thimble frictionally retained in said socket and provided at its upper end with an interiorly-threaded contracted portion or flange, an exterior flange at its lower end, a headed screw in said thimble and engaging the screw-thread of the contracted portion, and an elastic cushion sprung upon the head of the screw and retained in frictional contact with the exterior flange of the thimble and with the adjacent portions of the article of furniture, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

NICHOLAS STOCK.

Witnesses:

PAUL GOEPEL,
M. H. WURTZEL.