(No Model.)

R. L. BENT.

STOOL.

No. 559,664. Patented May 5, 1896.

Fig. 1.

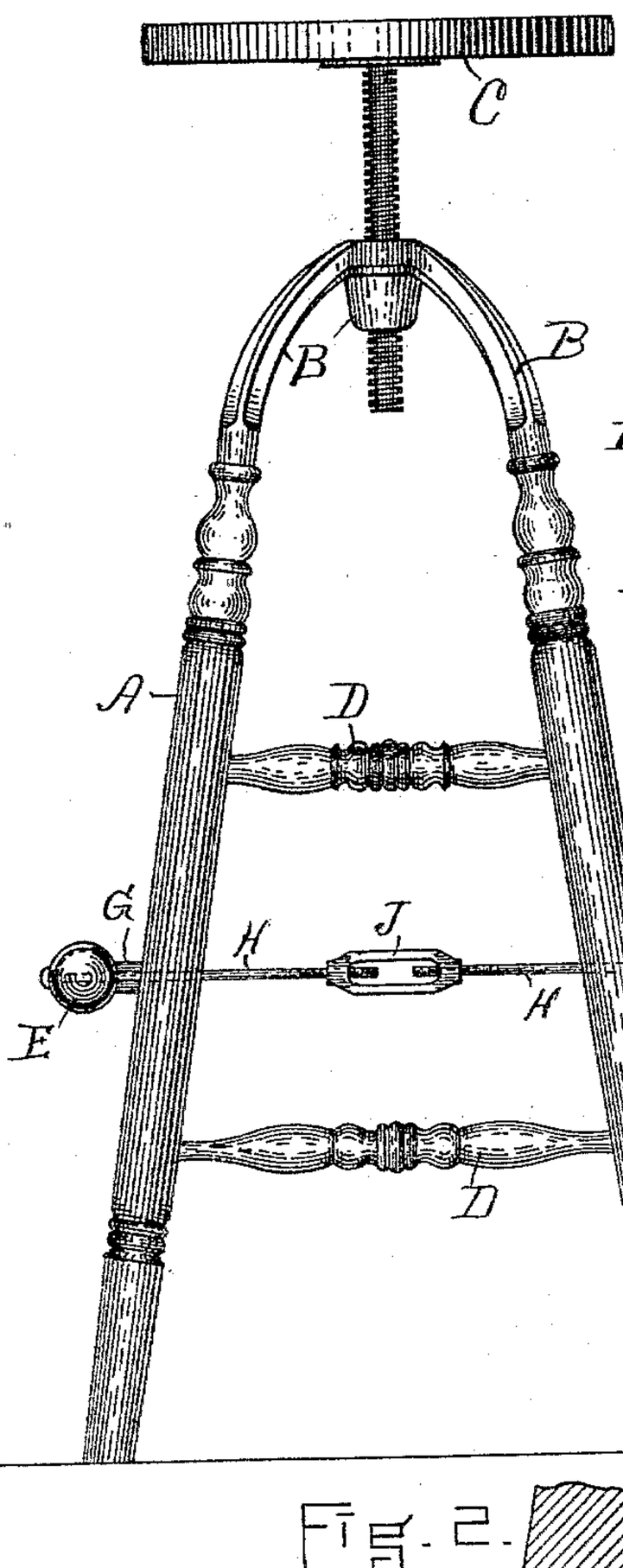


Fig. 3.

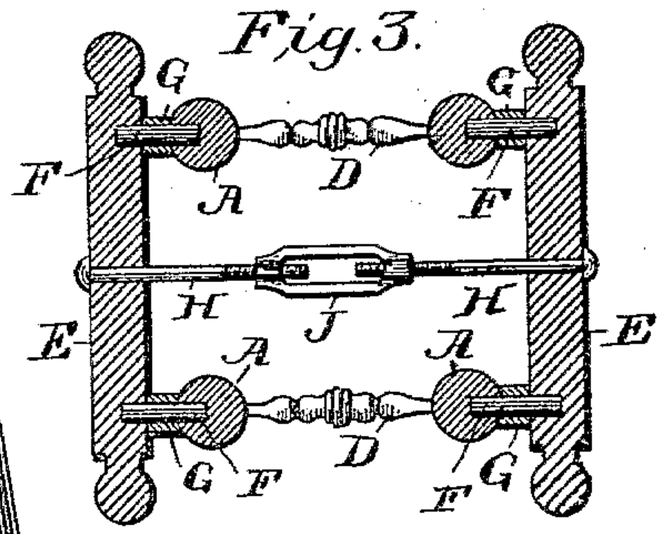
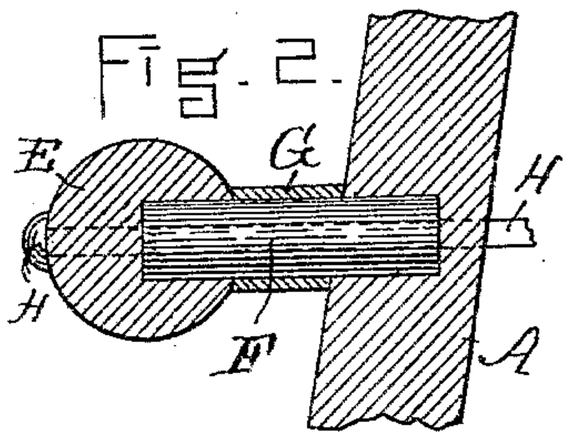


Fig. 2.



WITNESSES.

Henry Marsh.

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INVENTOR

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UNITED STATES PATENT OFFICE.

RODERIC L. BENT, OF GARDNER, MASSACHUSETTS, ASSIGNOR TO S. BENT & BROTHERS, OF SAME PLACE.

STOOL.

SPECIFICATION forming part of Letters Patent No. 559,664, dated May 5, 1896.

Application filed September 28, 1892. Serial No. 447,127. (No model.)

To all whom it may concern:

Be it known that I, RODERIC L. BENT, of Gardner, in the county of Worcester and State of Massachusetts, have invented certain new and useful Improvements in Stools and Chairs, of which the following, taken in connection with the accompanying drawings, is a specification.

This invention is designed to provide high chairs and desk-stools with a step or foot-rest on two opposite sides, standing out somewhat from the legs, and directly connected to each other by a threaded rod and nut or turnbuckle, so as to be readily tightened, as desired. The steps or foot-rests are supported by stout iron dowels inserted into them and the legs, and such foot-rests are held out of contact with the legs by tubular washers or collars surrounding these dowels. The construction is such as to afford a foot-rest of superior strength, and at the same time to draw the legs together and keep them from becoming loosened from their connecting-rounds.

The drawings represent one of my improved stools, Figure 1 being a side view, and Fig. 2 an enlarged detail, herein explained. Fig. 3 is a horizontal section through the foot-rest and tightening mechanism.

The stool represented is one of ordinary form, having the legs A A connected at the top by a cast-iron spider B with a central threaded socket to receive the vertical screw fixed to and projecting downwardly from the revolving seat C. The legs are connected by the usual cross-rounds D. Other styles of top or seat may of course be made use of.

E E are steps or foot-rests secured horizontally on opposite sides of the leg-frames, each being supported at its ends by strong iron dowels F, fixed in deep sockets in the step and in the adjacent leg. (See Fig. 2.) Surrounding these dowels are short sleeves, collars, or washers G, of a length sufficient to hold the foot-rest at the desired distance from the leg, so as to afford a comfortable support to the feet of the occupant of the chair or stool. The ends of these tubular washers G bear against the convex surfaces of the leg and foot-rest.

The steps or foot-rests E E are joined transversely by a direct metallic connection, and preferably by two right and left threaded metal rods H and a central nut or turnbuckle J, with which they both engage. These rods have, as shown, rounded heads at their outer ends and extend inwardly through the foot-rests to the turnbuckle J, and when it is turned the rods are drawn toward each other, the rests E E are caused to approach each other so far as the dowels F and washers G will permit, and the legs are pressed firmly upon their connecting-rounds. Thus the foot-rests and their connecting devices serve also to bind firmly together the several legs and rounds and to prevent their becoming loosened or detached.

The collars or tubular washers G give efficient lateral support to the dowels F, and afford a broader base or seat for the foot-rests E. They also prevent the legs and foot-rests from being split by the endwise thrust of the dowels when power is applied to the turnbuckle J. Such splitting is especially liable to occur if the ends of the dowels are at all wedge-shaped where cut off from a continuous iron rod.

I claim as my invention—

1. In a chair or stool, the legs A A connected by suitable cross-rounds D, and the foot-rests E E on opposite sides of the leg-frames, with supporting-dowels F, each entering a socket in a leg and foot-rest, and with tubular collars or washers G surrounding such dowels and bearing endwise against the leg and foot-rest, in combination with a transverse metallic connecting device and tightening means adapted to draw the foot-rests toward each other and increase their supporting power, substantially as set forth.

2. The legs A A, the transverse foot-rests E E on opposite sides of the chair or stool, the dowels F F inserted in sockets in both legs and foot-rests, and the collars or washers G, surrounding such dowels and forming space-pieces to hold the foot-rests at a defined dis-

tance from the legs, in combination with the right and left threaded metal rods H H, passed inwardly through the foot-rests, and with the nut or turnbuckle J, engaging the threaded ends of said rods and drawing them toward each other, substantially as set forth.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, on this 17th day of September, A. D. 1892.

RODERIC L. BENT.

Witnesses:

GEORGE R. HOSKINS,

THATCHER B. DUNN.