C. N. CLARK.

CASTER SOCKET.

APPLICATION FILED APR. 22, 1912.

1,159,571. Patented Nov. 9, 1915.

Fig. 1

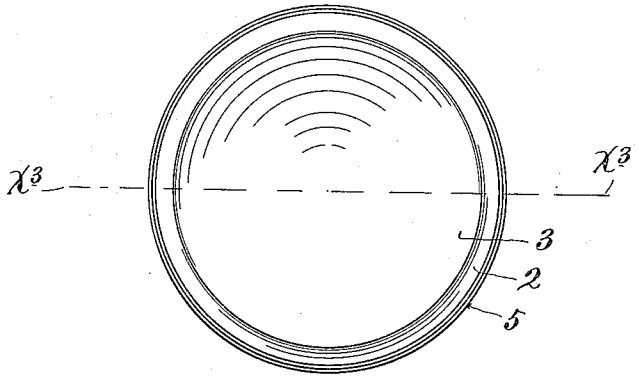


Fig. 2

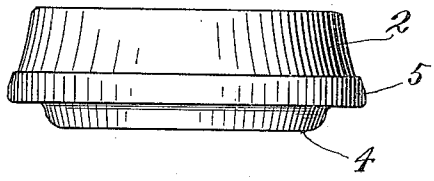
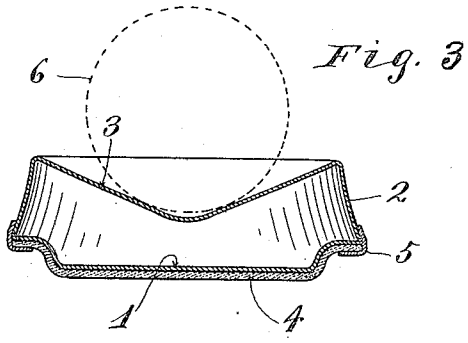


Fig. 3



Witnesses.
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UNITED STATES PATENT OFFICE.

CHARLIE N. CLARK, OF MINNEAPOLIS, MINNESOTA.

CASTER-SOCKET.

1,159,571. Specification of Letters Patent. Patented Nov. 9, 1915.

Application filed April 22, 1912. Serial No. 692,372.

To all whom it may concern:

Be it known that I, CHARLIE N. CLARK, a citizen of the United States, residing at Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Caster-Sockets; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My present invention has for its object to provide an improved caster socket for beds, tables, and other articles of furniture which are to be supported on a polished floor or on a carpet, or one upon another.

The invention consists of the novel devices and combinations of devices hereinafter described and defined in the claim.

In the accompanying drawings which illustrate the invention, like characters indicate like parts throughout the several views.

Referring to the drawings, Figure 1 is a plan view of the improved caster socket; Fig. 2 is a side elevation of the same; and Fig. 3 is a vertical section taken on the line x^3 x^3 of Fig. 1.

The body of the caster socket is constructed from pressed sheet metal and comprises a base plate 1 and a cap or top member 2. The base plate 1 has its marginal portion pressed upward or raised from the floor, and the cap 2 has a downwardly diverging flange that rests directly on the raised upper edge of the said base plate 1. The said cap is formed with a depression or socket 3, the extended bottom portion of which is slightly rounded on a short radius and the outwardly and upwardly converging walls of which are straight in radial planes, this being done for an important purpose.

The numeral 4 indicates a pliable pad of water proof material, preferably of heavy canvas or fabric saturated with paraffin or other suitable wax. This pad 4 fits the under surface of the bottom of the plate 1 and is adapted to bear upon the floor or other polished surface. The parts 1, 2 and 4 are rigidly connected together by a retaining ring 5 having one flange that interlaps the raised edge of the pliable facing 4 and having an upper flange that is contracted against the upwardly tapering sides of the cap or upper member 2. When the socket is to be used on a carpet, it may be of the same construction as that shown in the drawing but with the pad 4 omitted, and with the bottom of the plate 1 polished. In fact, the entire outer surfaces of the metal parts of the socket will preferably be plated with nickel or other suitable metal.

With the straight walls and the depression of the socket, casters of various diameter will be firmly seated with the four-point contact and will not have a free travel in the bottom of the depression as is the case where spherical depression is employed. The socket thus constructed is very light and at the same time very strong and durable, furthermore, it may be constructed at comparatively small cost.

Preferably, the pad 4 above described is of the general character disclosed and claimed in my co-pending application S. N. 678,698, filed February 19th, 1912 and entitled "Floor engaging furniture supports."

What I claim is:

A caster socket made up of a sheet metal base having a raised horizontally projecting flange, a sheet metal cap, the side of which flares outwardly and rests, at its edge, directly on the raised marginal flange of said base, said cap having a depression in its top to receive a caster wheel, an annular retaining ring clenched under the raised marginal flange of said base and around the lower portion of the flaring side of said cap, and a pliable floor-engaging pad facing the under side of said base with its raised marginal edge interposed between the raised marginal flange of said base and the under clenched flange of said retaining ring.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLIE N. CLARK.

Witnesses:

HARRY D. KILGORE,

F. D. MERCHANT.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."