

M. SCHWARTZ.

CASTER.

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1,012,167.

Patented Dec. 19, 1911.

Fig. 1.

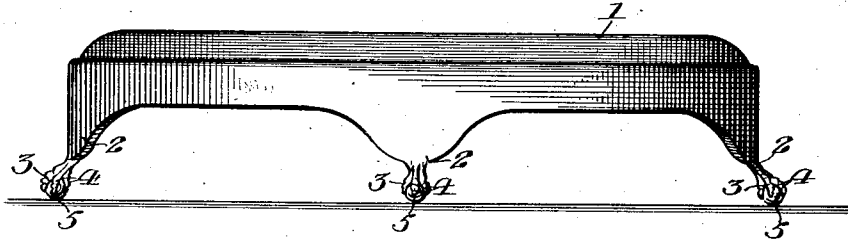


Fig. 2.

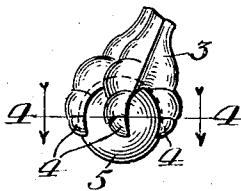


Fig. 3.

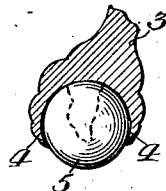
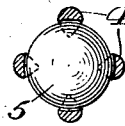


Fig. 4.



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UNITED STATES PATENT OFFICE.

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CASTER.

1,012,167.

Specification of Letters Patent.

Patented Dec. 19, 1911.

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To all whom it may concern:

Be it known that I, MORRIS SCHWARTZ, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Casters, of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

My invention relates to casters and is more particularly applicable to casters used for articles of light weight.

My invention is adapted for use in connection with such articles as table plateaus. Its object is to provide a structure which can be used, for instance, in connection with a plateau whose weight is not great so that the said plateau may be placed upon polished wood tables without scratching the surfaces of said tables.

In the preferred form of my invention I provide such articles as a plateau with legs which have as part of their construction spheres of glass or the like, which spheres are loosely held in the legs, and which construction is made by casting the material forming the support for said spheres about the said spheres and then loosening the material therefrom to permit rotation, thereby to obtain a cheap and efficient construction.

The invention is of particular utility as stated in connection with articles of light weight and my casters therefore prove very efficient with such articles of furniture where the weight is small.

I will describe my invention more in detail by reference to the accompanying drawings, illustrating the preferred embodiment thereof, in which:

Figure 1 represents a plateau constructed in accordance with my invention; Fig. 2 is a detail view of my improved caster; Fig. 3 is a cross-sectional view of the foot shown in Fig. 2; and Fig. 4 is a sectional view on line 4—4 of Fig. 2.

In the specific description which now follows of my invention, I have shown it as applied particularly to a table plateau as

this will indicate the utility of my improved 50
caster. This specific description of my invention in connection with a table plateau is not intended to limit my invention to such use.

Referring more particularly to Fig. 1, I 55
show a plateau 1 having four legs 2—2. These legs end in feet 3—3 which are claw-shape and which have claws 4—4 as shown more in detail in Fig. 2. These claws partially encircle and hold in place a sphere of 60
glass or other similar material 5, said claws extending more than half the distance of the periphery, as is outlined from the illustrations. I prefer to have four claws, as shown more clearly in Fig. 4. 65

In constructing apparatus of this kind, I utilize a material of not a very high melting point, so that I can manufacture the legs by placing the spheres 5 directly in the mold and casting the feet and claws around said 70
glass without cracking same. If a metal of high fusing point is used, as is frequently done, it would, of course, crack the glass and the cheap means of manufacture, as herein outlined, could not be employed. I 75
find it advantageous in this construction, after the parts have been cast, to slightly bend the claws away from the spheres so that the said spheres may roll within the claws, if desired. The advantage of thus 80
providing feet that will not scratch the table will be apparent and my invention in providing materials of a low fusing point, so that the glass spheres may be cast directly into the said feet affords the desired inexpensive construction which is required in 85
devices of this kind.

It will of course be understood that while I am illustrating my invention as applied to a table plateau, such illustration is not intended to limit the broad application of my 90
caster to any other suitable device.

While I have herein shown and particularly described the preferred embodiment of my invention, I do not limit myself to the 95
precise construction and arrangement as herein set forth, but

Having thus described my invention, what

I claim as new and desire to secure by Letters Patent is:

A caster having a leg ending in claws constructed of a metal alloy of low fusing point, and having a glass sphere about which said claws are cast.

In witness whereof, I hereunto subscribe

my name this 16th day of February A. D., 1910.

MORRIS SCHWARTZ.

Witnesses:

JEAN ELLIOTT,
HAZEL JONES.

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