

(No Model.)

M. LACHMAN.
CASTER WHEEL.

No. 492,924.

Patented Mar. 7, 1893.

Fig. 1.

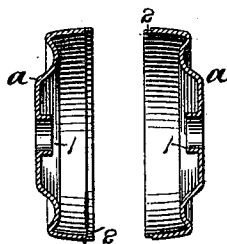


Fig. 2.

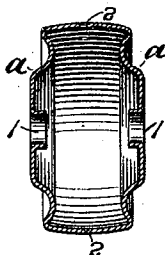
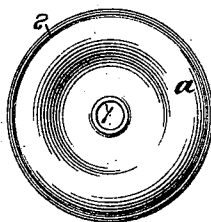


Fig. 3.



WITNESSES:

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MORRIS LACHMAN, OF LONDON, ENGLAND, ASSIGNOR TO THE STANDARD
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CASTER-WHEEL.

SPECIFICATION forming part of Letters Patent No. 492,924, dated March 7, 1893.

Application filed April 9, 1892. Serial No. 428,439. (No model.)

To all whom it may concern:

Be it known that I, MORRIS LACHMAN, a citizen of the United States, residing at London, England, have invented certain new and useful Improvements in Rollers, Wheels, and Similar Articles, fully described and represented in the following specification and the accompanying drawings, forming a part of the same.

10 The object of the present invention is to provide an improved construction of rollers, wheels and similar articles, the invention relating particularly to the construction of small rollers or wheels such as are used for furniture casters and similar purposes, but being applicable also to larger rollers and wheels, and to pulleys and other articles of a like nature.

15 I form my improved roller or wheel in two parts or halves each of which is stamped or pressed up from a single piece and forms one end and a part of the tread of the roller or wheel, these two parts being joined together at the edges by soldering, brazing, welding or in any other similar manner to form the complete article. In order to strengthen the roller and to provide an extended bearing surface for the roller on its spindle or shaft, the edges of the central spindle opening are turned to 20 form flanges preferably extending inwardly, these flanges being preferably formed by the same stamping operation with the construction of the rest of the half of the roller. The stamping may be effected by any suitable means, such as suitably shaped dies or plungers, and machines of various forms may be used for this purpose.

25 For a full understanding of my invention I have illustrated the same by the accompanying drawings forming a part of this specification, in which—

30 Figure 1 shows in cross section the two parts of a roller of the preferred construction before uniting. Fig. 2 is a cross section of the completed roller and Fig. 3 is an inner end view of one of the parts.

Referring to the drawings—*a, a* are the two parts or halves of the roller, each of which forms an end and a portion of the tread of the roller, these parts being formed by stamping up single pieces of metal into the form desired. These parts *a* may have any form desired but preferably are provided with inwardly extending flanges about the central spindle opening, these flanges being preferably formed with the rest of the parts *a, a* at a single stamping operation. The edges of the two parts *a, a* may be plain or formed in any suitable manner so as to aid in making the joint by which they are united, and the two parts may be united by any suitable means as by soldering, brazing, welding or otherwise. I prefer, however, to form the two parts *a, a* with edges reduced in thickness by spinning or otherwise, one from the outside and the other from the inside, so that these reduced portions 2 overlap each other and aid in forming the joint, and the edges are preferably joined by solder and pressure.

What I claim is—

1. A roller or wheel formed of two pieces of metal, each stamped up to form an end and a portion of the tread of the roller or wheel, and having their edges united, by soldering, brazing or welding, substantially as described.

2. A roller or wheel formed of two pieces of metal, each stamped up to form an end and a portion of the tread of the roller or wheel, and a flange about the spindle opening forming a bearing for the spindle, and having their edges united by soldering, brazing or welding, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

MORRIS LACHMAN.

Witnesses:

THOS. F. KEHOE,
C. J. SAWYER.