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C. STARZMAN.

WASHING JACK.

(Application filed Dec. 7, 1901.)

(No Model.)

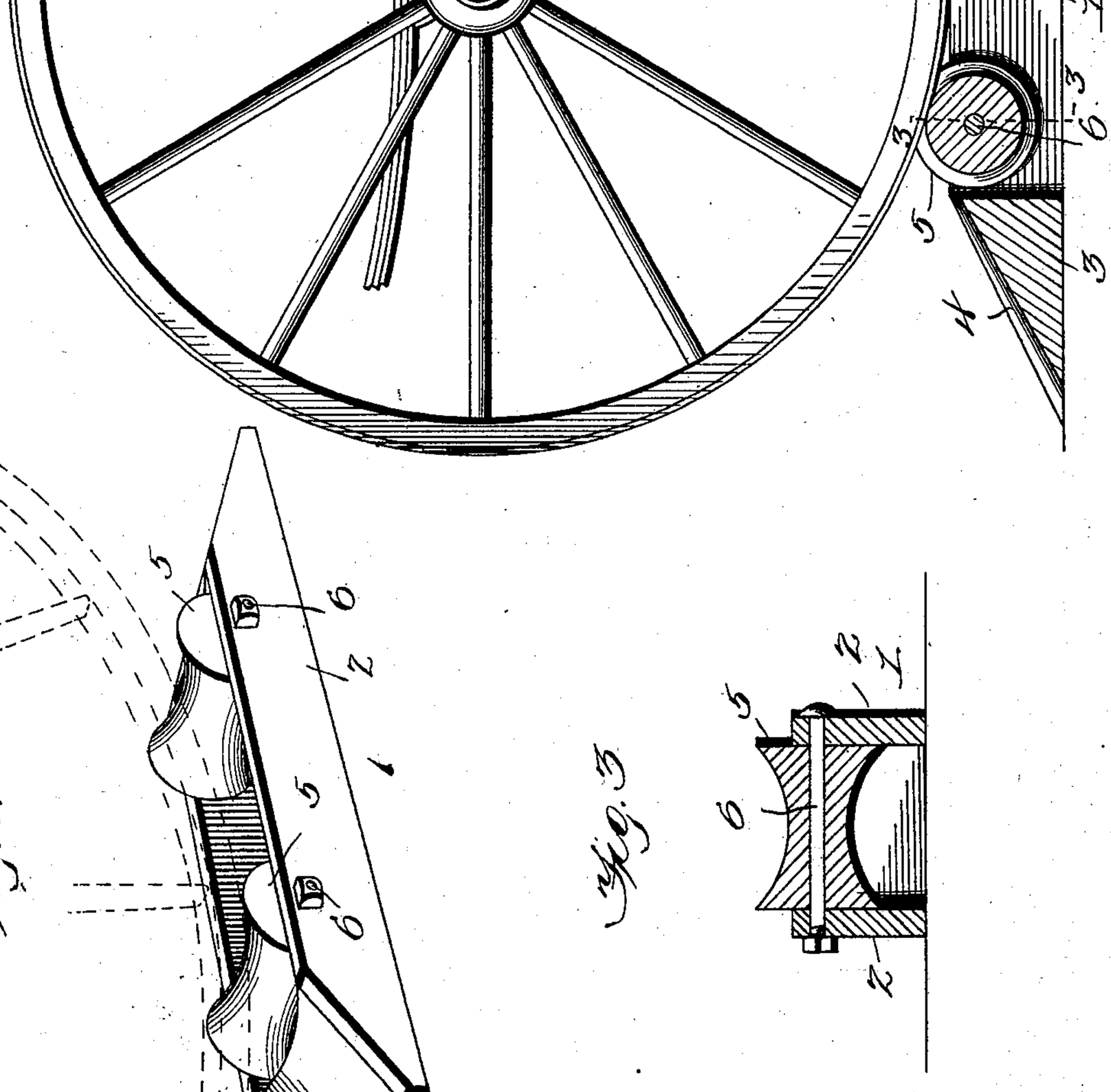

Fig. 2.

Fig. 1.

Fig. 3.

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WASHING-JACK.

SPECIFICATION forming part of Letters Patent No. 698,231, dated April 22, 1902.

Application filed December 7, 1901. Serial No. 85,023. (No model.)

To all whom it may concern:

Be it known that I, CHARLES STARZMAN, a citizen of the United States, residing at Youngstown, in the county of Mahoning and State of Ohio, have invented certain new and useful Improvements in Washing-Jacks; 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.

This invention relates to an improved washing-jack for vehicle-wheels, and is designed to provide means for supporting a vehicle-wheel off the ground during the washing thereof, while at the same time acting as a check or holder for the wheel to prevent turning thereof except when desired.

Ordinarily in the washing of vehicle-wheels a lifting-jack is employed in connection with the wheel-axle to provide for raising the axle sufficiently to lift the wheel from the ground, whereby it may be freely rotated in the scrubbing or washing operation to bring different portions of the wheel into convenient position for being cleansed. With a lifting-jack used in this the usual way the wheel has no check whatever to the free rotation thereof and frequently revolves so freely as to interfere with the expeditious washing thereof.

In contradistinction to the ordinary lifting-jack placed beneath the axle and having no connection with the wheel the present invention contemplates a very simple and practical device designed as a base-support, upon which the wheel directly rests. This base-support comprises means for not only holding the wheel off of the ground, but at the same time supporting it in such a way as to permit of it being turned to any position by hand without removing or disengaging it in any way from the support. The invention also comprehends means for conveniently guiding the vehicle-wheel on and off of the jack.

With these and many other objects in view, which will more readily appear as the nature of the invention is better understood, the same consists in the novel construction, combination, and arrangement of parts hereinafter more fully described, illustrated, and claimed.

While the invention is susceptible to modification, still a simple and preferable embodiment thereof is shown in the drawings, in which—

Figure 1 is a perspective view of a washing-jack for vehicle-wheels constructed in accordance with the present invention. Fig. 2 is a longitudinal sectional view thereof, showing the same in operative position with a vehicle-wheel supported thereon. Fig. 3 is a cross-sectional view on the line 3 3 of Fig. 2, showing a simple way of mounting the rolling supports for the wheel.

Like reference-numerals designate corresponding parts in the several figures of the drawings.

The invention in its general organization comprises a suitable base adapted to rest on the ground or floor, rolling supports carried by the base designed to revolubly support the vehicle-wheel thereon, and suitable guides or guiding members for directing the wheel onto and off of the supports. These instrumentalities may be associated together in any practical way to effect the objects of the invention; but a simple and effective construction is shown in the drawings. In this preferred construction the base of the jack is designated by the numeral 1, and essentially consists of a frame of suitable form to provide for carrying the rolling supports and also constructed so as to rest flat upon the ground or floor. The said base-frame 1 is usually of an oblong rectangular configuration and may also be of an open or skeleton form to simplify and cheapen the manufacture thereof. In its simpler form the said frame 1 comprises the oppositely-arranged frame sides 2, connected together in a suitable manner. In addition to the frame sides 2 the base-frame is provided at the opposite ends thereof with the wheel-guides 3. These guides may be in the form of blocks interposed between and connecting the frame sides, but are provided with inclined upper sides 4, leading from the plane of the frame bottom to the top thereof, and in the preferred construction the inclined upper sides 4 are longitudinally concaved or grooved to provide inclined grooved runways at the ends of the base-frame, which serve to guide the vehicle-wheel onto and off of the rolling supports 5. The rolling supports 5 are mounted

within or on the base-frame between the oppositely-located guides 3 and are adapted to constitute the supporting elements upon which the vehicle-wheel directly rests. The rolling supports 5 are preferably in the form of peripherally-grooved rollers arranged in spaced parallel relation and usually in the same horizontal plane, and each of said rollers is mounted upon its independent journal bolt or spindle 6, extending transversely across the base-frame and connected to the sides thereof. The journal bolts or spindles 6 may be detachable to provide for the removal and replacing of the rollers should this become necessary.

In using the device the base-frame is placed flat upon the ground or floor and the vehicle-wheel rolled up one of the guides 3 onto and between the oppositely-arranged rolling supports 5. In such position, as shown in Fig. 2, the wheel is held off the ground, but at the same time can be easily turned by hand. When not thus manipulated, the wheel is necessarily held against turning by its own weight and the weight of the parts sustained thereby.

From the foregoing it is thought that the construction, use, and many advantages of the herein-described washing-jack will be readily apparent without further description, and it will be understood that changes in the form, proportion, and minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

Having thus described the invention, what is claimed, and desired to be secured by Letters Patent, is—

1. A washing-jack for vehicle-wheels comprising a portable base constructed to rest flat upon the ground or floor, rolling supports carried by the base and arranged to hold a wheel thereon in a plane elevated above the ground-level, and guides carried by the base and arranged to direct the wheel on and off the supports.

2. A washing-jack for vehicle-wheels comprising a base having oppositely-located inclined wheel-guides, and rolling supports for sustaining thereon the wheel, said supports being arranged in the interval between the opposite guides, and adapted to support the wheel in a plane above the ground-level.

3. A washing-jack for vehicle-wheels comprising a base constructed to rest flat upon the ground or floor, and a pair of wheel-supporting rollers held by the base in a plane elevated from the ground or floor and arranged in spaced parallel relation in the same horizontal plane.

4. A washing-jack for vehicle-wheels comprising a base-frame provided at the opposite ends thereof with wheel-guides having inclined grooved runways, and a pair of peripherally-grooved wheel-supporting rollers mounted in the base-frame between the opposite guides, said rollers being disposed in spaced parallel relation and in the same horizontal plane.

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

CHARLES STARZMAN.

Witnesses:
ELLA DAVIS,
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