(No Model.)

L. WILLIAMS.

WHEELBARROW WHEEL.

No. 265,477. Patented Oct. 3, 1882.

Fig. 3.

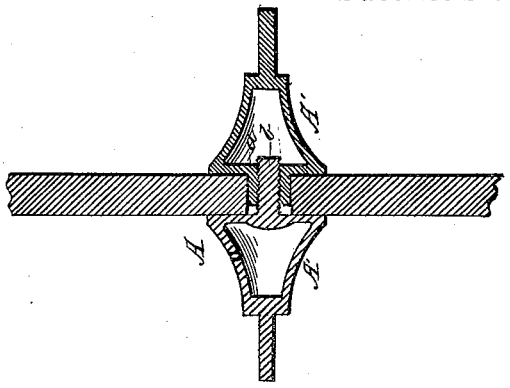


Fig. 2.

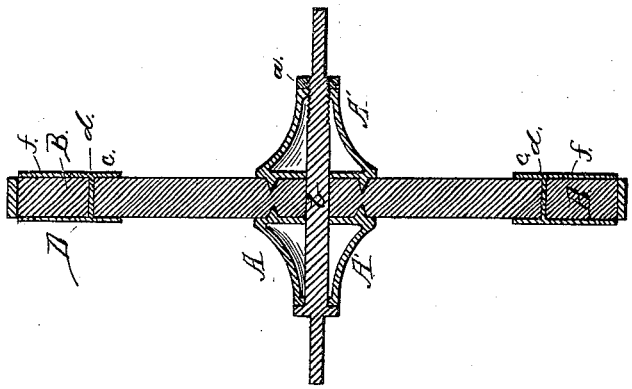


Fig. 4.

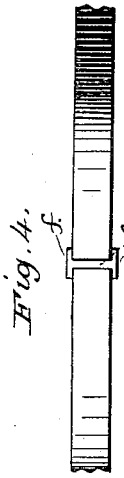
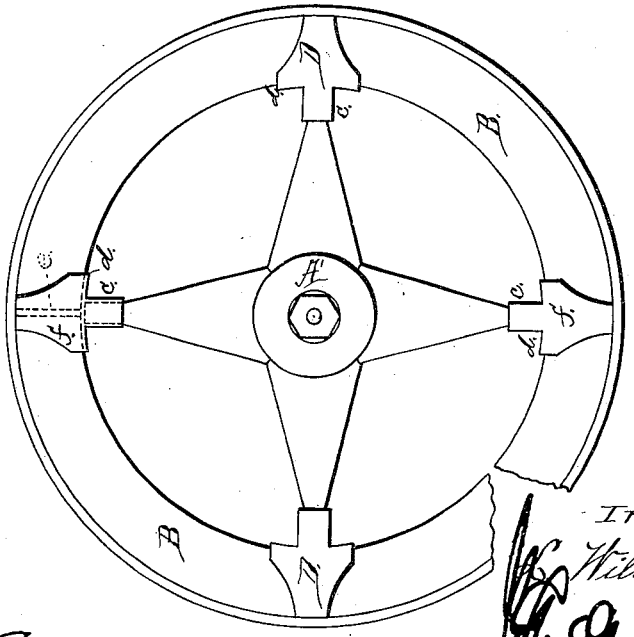


Fig. 1.



Witnesses:
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Inventor:
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UNITED STATES PATENT OFFICE.

LLEWELYN WILLIAMS, OF IRONTON, OHIO.

WHEELBARROW-WHEEL.

SPECIFICATION forming part of Letters Patent No. 265,477, dated October 3, 1882.

Application filed August 5, 1882. (No model.)

To all whom it may concern:

Be it known that I, LLEWELYN WILLIAMS, a citizen of the United States of America, residing at Ironton, in the county of Lawrence and State of Ohio, have invented certain new and useful Improvements in Wheelbarrow-Wheels; 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, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

This invention relates to certain new and useful improvements in wheelbarrow-wheels; and it consists more especially in the arrangement and construction of the parts, as will be hereinafter fully set forth, and pointed out in the claims.

Of the annexed drawings, Figure 1 is a side view of my improved wheel. Fig. 2 is a vertical section of the same. Fig. 3 is a modification of the hub, and Fig. 4 a detailed end view of the spoke and felly socket.

On annexed drawings, A represents the hub of a wheel, which is specially adapted for use for wheelbarrows, harvesters, trucks, or other carrying devices in which it is desirable to provide a wheel or journal on each side of the spoke. The hub A consists of two castings or shells, A and A′, which are adapted to be clamped together by means of the nut *a* and bolt *b*, which bolt may form side journals, as shown in Fig. 2, or be formed on the shells, which are provided with journals, as shown in Fig. 3. In either case the spokes are clamped firmly together in a vertical line.

The fellies B of my improved wheel are made in four or more sections, and are provided between each section with felly and spoke sockets D. The spokes of this wheel are cut away at their ends, so as to fit within the socket formed on the lower end of the casting D, which sockets extend across the fellies B. Adjoining the spoke-socket *c*, and extending outwardly from the same, is formed a curved felly-rest, *d*, which fits over the under part of the end of the fellies and covers the joint. On this curved portion *d*, extending upwardly, is a flange or partition-wall, *e*, for separating the forming end bearings for the fellies. A portion of this socket D, which extends over the sides of the fellies, is provided with side flanges, *f*, which extend upwardly from the flange *d* to the rim of the wheel. These flanges *f* prevent the fellies from being displaced sidewise, and the flanges *e* and *d* form bearing-walls for the same.

By means of the hub hereinbefore described and improved spoke-socket I am able to produce a wheel which is cheap and simple in construction, and which may be readily put together, and I am enabled to use the wooden fellies just as they come from the manufactory, without further change.

The spoke may be of ordinary flat material, wood boards which are sawed substantially in the shape shown in Fig. 1.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A wheelbarrow-wheel provided with a casting, A, having journals on each side, and adapted to retain the spokes of the wheel at right angles with the journal, in combination with a spoke and felly socket made in one piece, and provided with rectangular sockets *c* of the same width as the felly, and bearing-wall *d* and *e* and side wall, *f*, extending over the joint in the felly, substantially as shown.

2. A wheelbarrow-wheel consisting of the metallic shells A′ A′, with journals, flat spokes beveled equally at the portion near the hub and tapered to a point near the fellies, the ends being rectangular in shape and fitted within a similar-shaped socket, having central and side walls and sectional fellies with tire, the parts being constructed and organized substantially as shown.

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

LLEWELYN WILLIAMS.

Witnesses:
JOHN M. CORNS,
N. MUNSHOWER.