(No Model.)

D. J. C. ARNOLD & C. B. POST.

WHEEL.

No. 419,488. Patented Jan. 14, 1890.

Fig. 1.

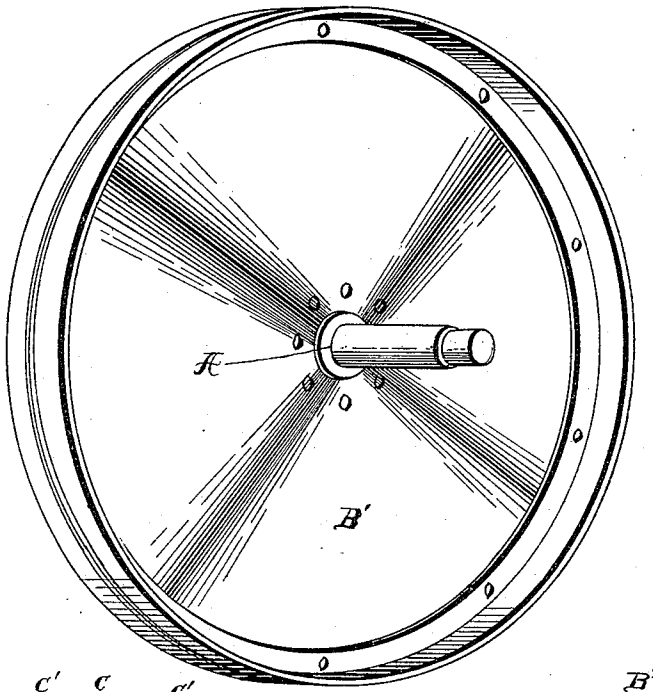


Fig. 2.

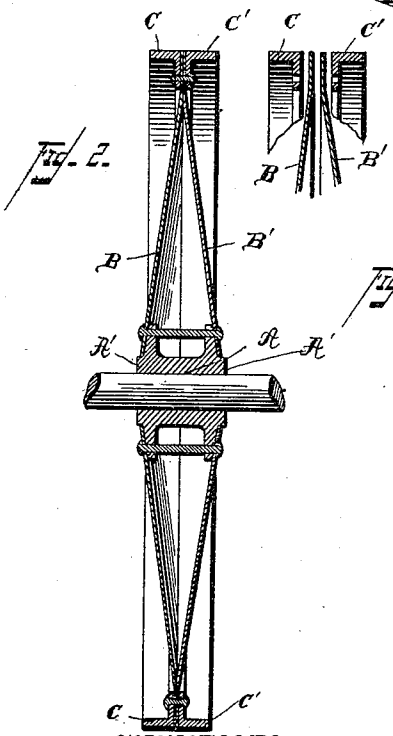


Fig. 3.

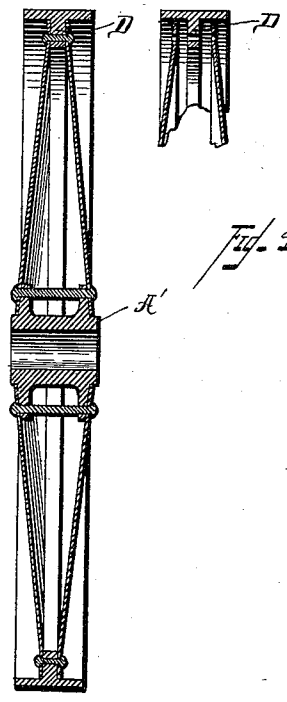
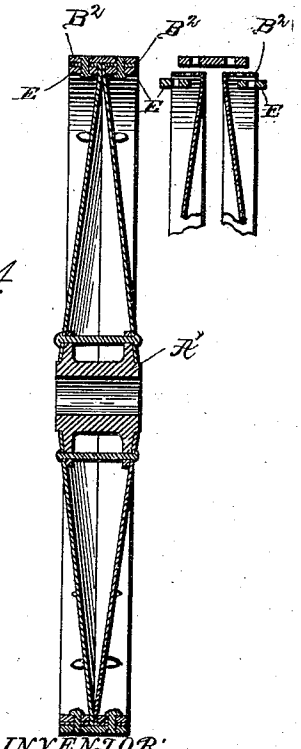


Fig. 4.



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UNITED STATES PATENT OFFICE.

DANIEL J. C. ARNOLD AND CHARLES B. POST, OF NEW LONDON, OHIO.

WHEEL.

SPECIFICATION forming part of Letters Patent No. 419,488, dated January 14, 1890.

Application filed October 2, 1889. Serial No. 325,744. (No model.)

To all whom it may concern:

Be it known that we, DANIEL J. C. ARNOLD and CHARLES B. POST, both residents of New London, in the county of Huron and State of Ohio, have invented certain new and useful Improvements in Wheels; and we do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

Our invention relates to improvements in wheels; and the object of the invention is the production of a wheel constructed entirely of metal, which will be light in weight and possess great strength and durability, and which can be produced at a comparatively-low figure.

The invention consists of a wheel having a hub formed with two flanges, two disks having their upper ends secured to the said flanges, and a felly having a rib or ribs, to which the lower ends of the disks are attached.

The invention also consists in the combination, with a hub and felly, of two disks attached to said hub and felly, and, finally, in certain details of construction, as hereinafter illustrated, described, and specifically claimed.

Figure 1 represents a perspective view of a wheel embodying our invention. Fig. 2 represents a vertical section thereof. Figs. 3 and 4 represent vertical sectional views of modified forms of the wheel.

Referring by letter to the drawings, the letter A designates the hub of the wheel having the flanges A′.

B and B′ designate the metal disks secured to the flanges of the hub, and the disks are inclined toward each other and meet, at which meeting-point they are secured.

In Figs. 1 and 2 the felly is constructed of two parts C and C′, which are angular in cross-section, and between the vertical limbs or portions of the parts are secured the meeting ends of the disks. In Fig. 3 the felly is formed with a flange D, and the disks are secured to each side of said flange. In Fig. 4 the disks meet and are formed with lateral flanges B^2, which are secured by bands E.

It will be readily seen that we provide a wheel which is very strong and durable, at the same time light in weight, can be manufactured at a low figure, and can be taken apart or put together with ease.

Having thus described our invention, we claim and desire to secure by Letters Patent of the United States—

A wheel consisting of the hub, the felly formed of the two angular members, and the disks having their centers connected to the hub and their outer edges connected to the vertical limb of the members, substantially as described.

In testimony that we claim the foregoing as our own we have hereunto affixed our signatures in presence of two witnesses.

DANIEL J. C. ARNOLD.
CHARLES B. POST.

Witnesses:
ROLLIN C. POWERS,
DONUS A. REYNOLDS.