(No Model.) 2 Sheets—Sheet 1.

D. L. MacDONALD.

APPARATUS FOR DISPLAYING SIGNS.

No. 487,394. Patented Dec. 6, 1892.

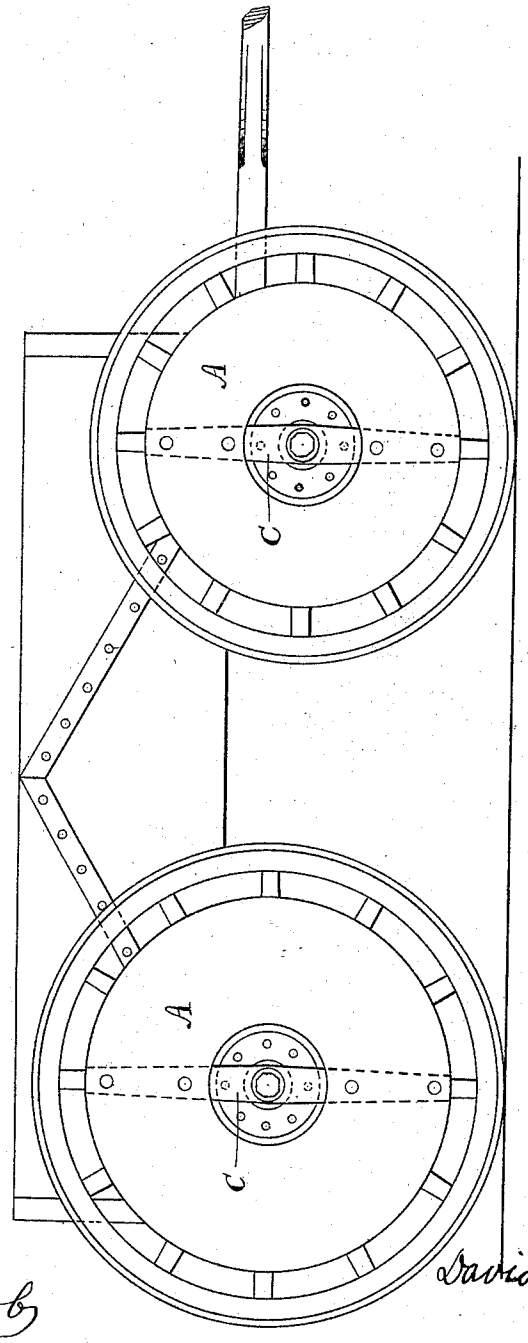

Fig. 1.

WITNESSES:

Abr. Goldfarb

S. W. Wood

INVENTOR

David L. MacDonald

(No Model.)

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Fig. 5.

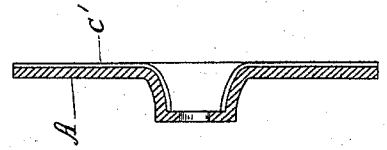


Fig. 4.

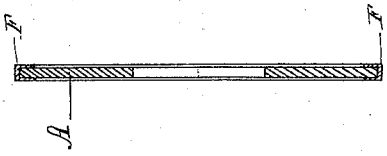


Fig. 3.

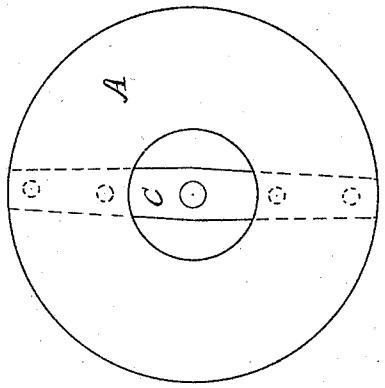
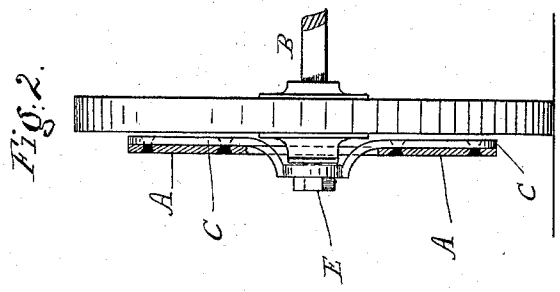


Fig. 2.



WITNESSES:

abe. Goldfarb

S. W. Wood

INVENTOR

David L MacDonald

UNITED STATES PATENT OFFICE.

DAVID L. MACDONALD, OF FAIRVIEW, NEW JERSEY.

APPARATUS FOR DISPLAYING SIGNS.

SPECIFICATION forming part of Letters Patent No. 487,394, dated December 6, 1892.

Application filed July 22, 1892. Serial No. 440,959. (No model.)

To all whom it may concern:

Be it known that I, DAVID L. MACDONALD, a citizen of the United States, residing in Fairview, county of Bergen, State of New Jersey, have invented new and useful Improvements in Apparatus for Displaying Signs or Advertisements, as will be hereinafter described.

This invention consists in securing disks or plates upon which signs or advertisements are to be printed or painted to the ends of axletrees of vehicles in a fixed or stationary position, so that the inscription thereon may be easily read while the vehicle is in motion.

Figure 1 represents a side elevation of a wagon, to the ends of the axletrees of which are secured disks or plates, upon which signs or advertisements are to be printed or painted. Fig. 2 represents an edge view of a wheel and fragment of an axletree with the advertising-disk in section, to show one practical method of securing the disks or plates to the ends of axletrees without interfering with the wheels thereon. Fig. 3 represents a side elevation or face view of one of the advertising-disks detached from the axletree. Fig. 4 is a sectional view of a paper disk provided with a metal rim for the purpose of stiffening and maintaining the disk in shape. Fig. 5 represents a central sectional view of a disk of fibrous material or metal, as preferred, punched into the required form, to be placed over the hub of a wheel and secured to the end of the axletree and provided with a stiffening-rib of corresponding contour, as will be described.

Similar letters of reference indicate corresponding parts throughout the several views.

In the accompanying drawings, A represents disks or plates mounted upon and secured to the ends of the axletrees B of a vehicle and firmly secured thereto in a fixed position, so that the inscription thereon may be maintained in an upright position to be read, or a painting properly displayed while the vehicle is in motion. As a convenient means of securing these disks or plates to axletrees in common use, braces or supports C are provided which receive and extend from the ends of the axletrees in opposite directions over the hubs and behind the disks A, and to which supports or braces C the plates or disks are secured by being riveted thereto, as shown in Fig. 2, or in any other convenient manner. The central part of these supports C are perforated to receive the ends of the axletrees and are retained in position thereon by means of the nuts E, which retain the wheels upon the axletrees. By this means of securing advertising disks or plates upon the ends of axletrees said disks become detachable without disturbing the wheels thereon and may be quickly replaced by new ones, or the inscription thereon changed, as the case may be, without injury to or disfiguring the wheels or axletrees, and while the vehile is in motion the inscription thereon easily read. In order to render these disks as light as possible and to materially cheapen the cost of manufacture, they may be made of paper-board and stiffened so as to retain their shape and remain flat by means of metal rims F, which rims, for convenience of construction and to exclude the moisture from entering the edge of the board, are folded over and around the edges of the disks, as represented in Fig. 4.

In Fig. 5 the disk A is punched or formed so as to receive and be secured to the end of an axletree and extends forward over the hub sufficient to permit the disk A to approach, but not to interfere with, the spokes of the wheel, the support C conforming to the contour of the disk, as shown. It is not material that these disks A be secured to the ends of the axletrees, so as to maintain them in a fixed position thereon by means of the nuts E, as shown. Any other method of attaching them may be substituted, if preferred; but utilizing the nuts with which the great majority of vehicles are provided is believed to be preferable, because no new device or attachment is required, no extra expense added, and may be readily fitted to almost any vehicle in present use.

Having thus fully described my invention, what I desire to secure by Letters Patent is—

1. In combination with an axletree and wheel of a vehicle, a detachable plate or disk adapted to be secured to the end of said axletree in a fixed position, and upon which plate or disk signs or advertisements are to be displayed, substantially as herein set forth and shown.

2. In combination with an axletree and wheel of a vehicle, a detachable plate or disk of fibrous material adapted to be secured to

the end of said axletree in a fixed position, and upon which plate or disk signs or advertisements are to be displayed, said plate or disk being provided with a metal rim, substantially as and for the purpose set forth.

3. In combination with an axletree and wheel of a vehicle, a detachable plate or disk adapted to be secured to the end of said axletree in a fixed position, and upon which plate or disk signs or advertisements are to be displayed, said plate or disk being punched or formed so as to extend over the hub of a wheel, substantially as and for the purpose herein set forth.

DAVID L. MACDONALD.

Witnesses:
S. W. WOOD,
ABE. GOLDFARB.