

(No Model.)

J. ANNIN.
WHEELBARROW.

No. 305,878.

Patented Sept. 30, 1884.

Fig. 1

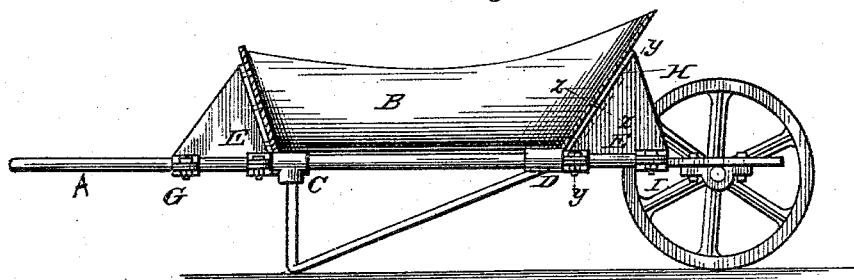


Fig. 4.

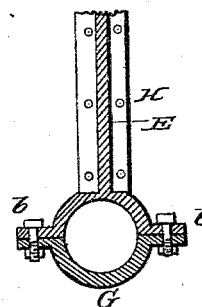


Fig. 3.

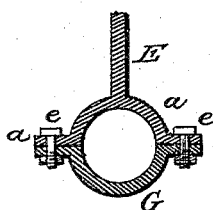


Fig. 2.

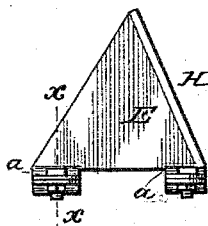
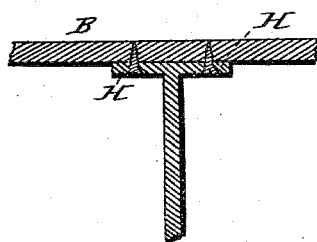


Fig. 5.



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JOSEPH ANNIN, OF BROOKLYN, NEW YORK.

WHEELBARROW.

SPECIFICATION forming part of Letters Patent No. 305,878, dated September 30, 1884.

Application filed January 21, 1884. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH ANNIN, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Wheelbarrows, of which the following is a description.

This invention relates to that class of wheelbarrows used for carrying heavy loads, either of hot or cold material, and in which the body is tray-shaped. In carrying burning coal about gas-works and melted refuse about iron-works, &c., the tray of the wheelbarrow is frequently so softened by heat as to be warped out of shape by its load. In the rough usage of wheelbarrows on railroads, &c., it is also common to find the trays bent out of shape.

The object of this invention is to support the front and rear sides of the tray by the frame of the wheelbarrow.

To this end my invention consists in the construction and combination of parts forming a wheelbarrow, as hereinafter described and claimed, reference being had to the accompanying drawings, in which—

Figure 1 is a side elevation of a wheelbarrow, showing my invention. Fig. 2 is a side elevation of one of the braces. Fig. 3 is a transverse vertical section of the same at *x* of Fig. 2. Fig. 4 is a detail section at *y*, and Fig. 5 is a section at *z* of Fig. 1.

A represents a handle of my wheelbarrow, made of pipe for lightness. There are two such handles, as usual.

B represents the tray or body in which the load is carried. This tray may be made of wooden staves or of iron plate of any thickness suitable to the work it is to perform.

E represents the braces, which are the main features of this invention. These braces may be made in any usual way for forming such work; but I prefer to make them of malleable

cast-iron. The body E of the brace is a triangular web. It is provided at its two lower corners with semi-cylindrical bearings *a*, to rest upon the handles A at one end, and at the other end, near the wheel, upon the same pipes that form the handles. Each of these bearings *a* is provided with flanges *b*, to which an inverted cap, G, is screwed to secure the brace to the handle-pipe, the bearings, the caps, and screws *c* forming clamps, which encircle and clamp upon the handle-pipes.

H represents flanges on the edges of the webs E, provided with holes in which rivets or screws may be placed to secure the body or tray to the braces.

For convenience in removing the bodies from the frames for transportation, I prefer to use screws to fasten the braces.

The wheel and legs of the barrow may be of any desired construction.

By means of my clamps I can secure the body to the handles at any desired distance from the wheel, and by means of this stiff flanged brace the tray is sustained in its normal shape.

What I claim as my invention, and wish to secure by Letters Patent, is—

1. The braces E, provided with flanges H, and means, substantially as described, for fastening them to the handles of a wheelbarrow, as and for the purpose specified.

2. The combination, with the handles A and tray B, of the braces E, having flanges H, and means for securing said tray to said flanges, and the clamps described, whereby the braces are secured to the handles, for the purpose specified.

JOSEPH ANNIN.

Witnesses:

SOLOMON C. KEMON,
CHAS. A. PETTIT.