

F. DYER.
Wheelbarrow.

No. 207,112.

Patented Aug. 20, 1878.

Fig. 1.

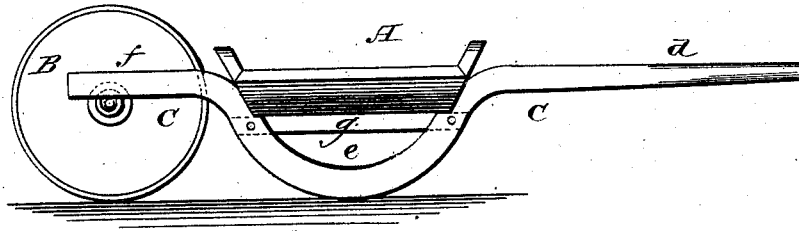


Fig. 2.

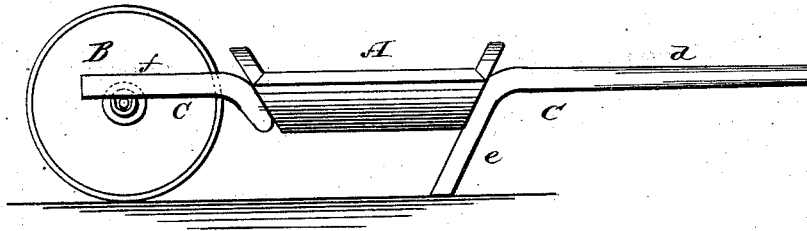


Fig. 3.

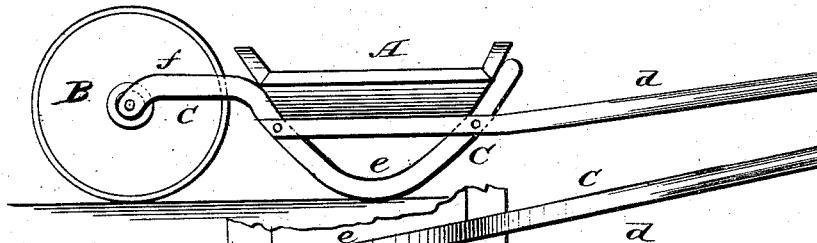
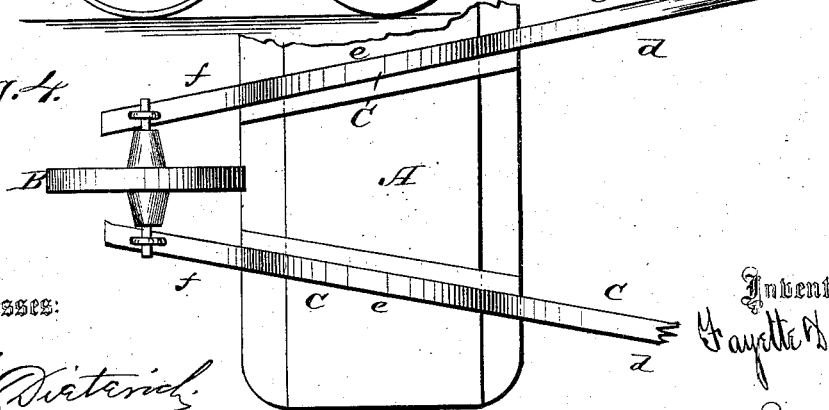


Fig. 4.



Witnesses:

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UNITED STATES PATENT OFFICE.

FAYETTE DYER, OF STERLING, ILLINOIS.

IMPROVEMENT IN WHEELBARROWS.

Specification forming part of Letters Patent No. 207,112, dated August 20, 1878; application filed January 2, 1878.

To all whom it may concern:

Be it known that I, FAYETTE DYER, of the city of Sterling, in the county of Whitesides and State of Illinois, have invented certain new and useful Improvements in Wheelbarrows; and I do hereby declare that the following is a full, clear, and exact description thereof, which 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 of reference marked thereon, which form a part of this specification.

My invention relates to an improvement in wheelbarrows; and the object of my invention is to so locate the box and combine it with the sides that it may serve in lieu of lateral braces, dispense with the latter, and thus cheapen the manufacture, and have fewer parts to become loosened or broken.

Figure 1 is a side view of my invention. Figs. 2 and 3 are modifications of the side frames. Fig. 4 is a bottom view.

A is the ordinary box, having a flaring front and back. B is an ordinary wheel, attached to the side plates C C in the usual way.

As shown in Fig. 1, it will be observed that the side plates C C are bent so as to form at one portion of their length handles *d d*, at another legs *e e*, and at a third locality hounds *f f*.

The legs *e e* consist, respectively, of a bow, one part of which may be considered a leg, and the remainder a brace therefor. Near the upper end of this bow, and slightly below the general plane of the plate C, is bolted the brace *g*. The brace *g* performs the double function of preserving the bow in shape and a rest for the box A. The box A is placed down in the upper part of the bows before named, and is fastened to the longitudinal braces *g g*. In this position the front and rear sides of the box A are bolted through the bows, and the latter serve as supports for such sides.

Both the front and rear sides of the box A operate as lateral braces between the sides C C, and entirely obviate the necessity of other braces.

The sides C C are bent and set into the shape shown by the means usually employed for bending carriage bows and fellies.

As shown in Fig. 2, the sides C C are formed of two pieces, the handles *d* and legs *e* being in one piece, and the front hounds of another piece, and both bolted to the box, as above described. In Fig. 3 the front hounds and legs are in one piece and the handles *d* and brace *g* another piece, all bolted to the box, as shown.

It will be seen that by the use of the sides C C, bent as described, and the placing of the box A as shown, mortises and tenons, which are so likely to induce decay of the parts, are dispensed with, and by this and by avoiding the use of lateral braces, as aforesaid, the manufacture of the article is greatly cheapened and simplified and the article itself rendered more durable.

If it be desired to give the box a greater height, the front ends of the sides C may be given a downward bend; or the diameter of the wheel may be increased. As the wheelbarrow is unloaded by tilting it on the edge of the box A, no particular height of the latter is requisite for the purpose of unloading.

I claim as my invention and desire to secure by Letters Patent—

In a wheelbarrow, the combination of the sides C C, legs *e e*, and the box A, lowered into the sides and bolted directly thereto, so as to form the lateral braces of the frame, substantially as described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

FAYETTE DYER.

Witnesses:

R. CHAMPION,
SETH LLOYD.