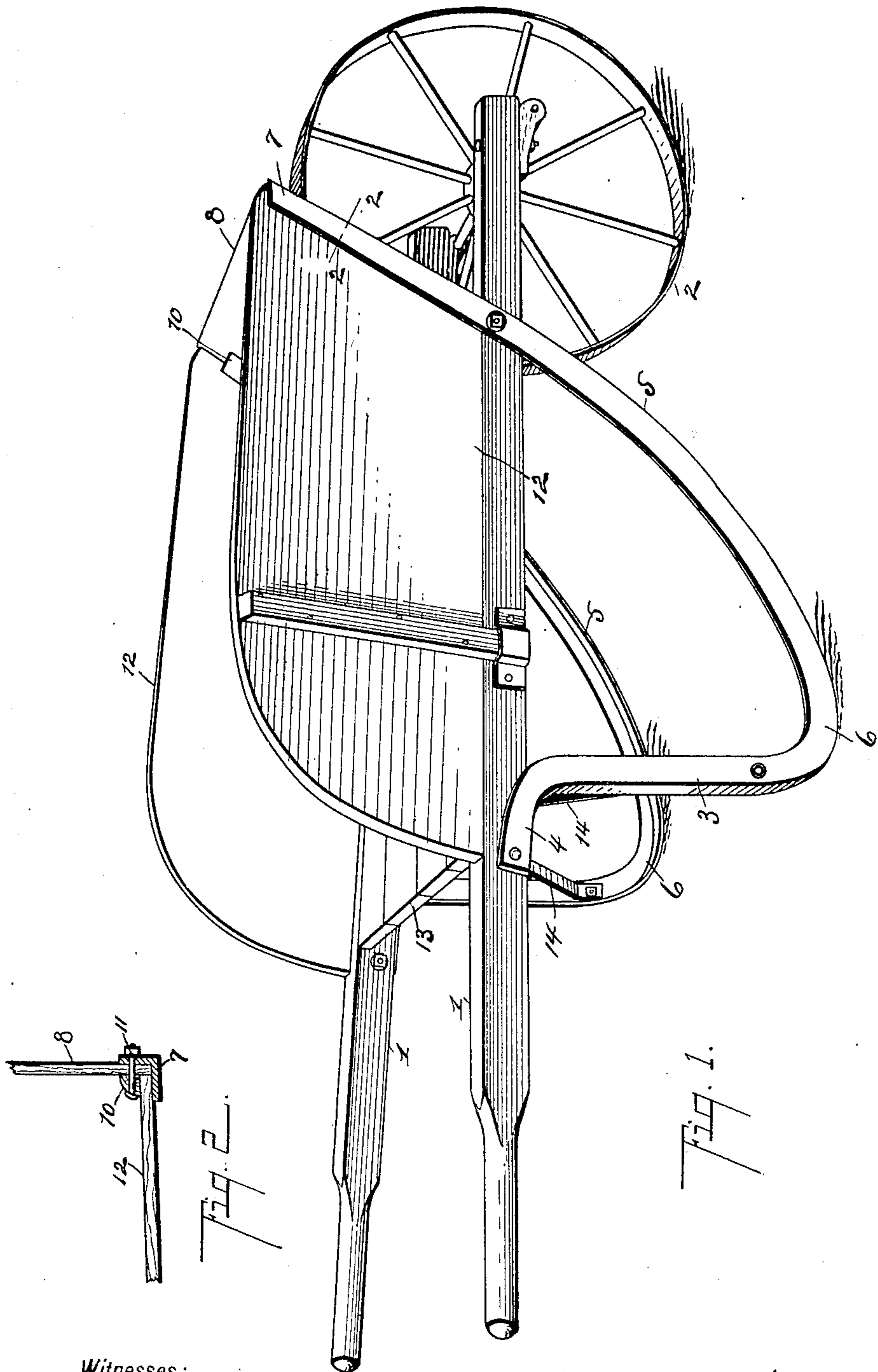


No. 887,387.

PATENTED MAY 12, 1908.

B. S. GIER & H. M. VERPLANCK.
WHEELBARROW.

APPLICATION FILED JAN. 24, 1907.



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UNITED STATES PATENT OFFICE.

BURTON S. GIER AND HOLLY M. VERPLANCK, OF LANSING, MICHIGAN, ASSIGNORS TO
LANSING WHEELBARROW COMPANY, OF LANSING, MICHIGAN.

WHEELBARROW.

No. 887,387.

Specification of Letters Patent.

Patented May 12, 1908.

Application filed January 24, 1907. Serial No. 353,930.

To all whom it may concern:

Be it known that we, BURTON S. GIER and HOLLY M. VERPLANCK, citizens of the United States, residing at the city of Lansing, county of Ingham, and State of Michigan, have invented certain new and useful Improvements in Wheelbarrows, of which the following is a specification.

This invention relates to improvements in wheelbarrows.

The main object of this invention is to provide an improved wheelbarrow which is very economical to manufacture and at the same time very strong and durable.

Further objects, and objects relating to structural details will definitely appear from the detailed description to follow.

We accomplish the objects of our invention by the devices and means described in the following specification. The invention is clearly defined and pointed out in the claims.

A structure embodying the features of our invention is clearly illustrated in the accompanying drawing, forming a part of this specification, in which:

Figure 1 is a perspective view of our improved wheelbarrow. Fig. 2 is a detail section taken on a line corresponding to line 2—2 of Fig. 1, showing structural details of the body.

In the drawing similar reference characters refer to similar parts in both views.

Referring to the drawing, 1—1 are the side rails which are extended at the rear to form handles, as is customary. The axle of the wheel 2 is journaled in suitable bearings at the forward ends of the side rails or bars of the frame. The legs 3, the braces 5 therefor, and the body posts 7 are formed integral of pieces of angle iron bent into suitable form. We accomplish this by arranging the legs of the angle iron to project inwardly and upwardly. The upper ends of the legs are provided with rearwardly projecting arms 4 adapted to overlap the sides and bottom of the side rails to which they are secured.

The brace portions 5 curve gradually from the lower ends of the legs 3 to the side rails, forming comparatively long feet 6 for the legs.

The posts 7 are preferably inclined slightly forward. The end board 8 of the body rests against the inwardly projecting leg of the posts and its ends abut the outer legs thereof,

thereby serving as braces therefor and also to brace the legs. The end board cleats 10 are secured by bolts or rivets 11 arranged there-through and through the end board and the inner legs of the posts. This forms a very secure fastening for the end board and it is very greatly strengthened. The cleats are spaced from the outer legs of the posts to receive the ends of the side boards 12. The bottom 13 is arranged upon suitable cross pieces or sills, the details of which are not here illustrated. Suitable braces 14 are preferably provided for the legs.

By arranging and forming the parts as we have here illustrated and described, we secure a structure which is very economical to produce and at the same time very strong and rigid and may be made of comparatively light material.

The angle iron pieces forming the combined legs braces and posts are, on account of the form of the same, very easily bent into shape.

Having thus described our invention, what we claim as new and desire to secure by Letters Patent, is:

1. In a wheelbarrow, the combination of side bars or rails; the legs 3; the braces 5 therefor; and the body posts 7, said legs, braces and body posts being formed integral of pieces of angle iron, arranged with the legs thereof projecting upwardly and inwardly, the upper ends of the leg portions 3 being bent rearwardly into arm 4 to receive the side bars, said brace portions 5 being curved from said leg portions to the side rails and forming feet for the substantially vertical legs; side boards; an end board arranged between said body posts resting against the inner legs thereof with its ends abutting against the outer legs thereof; cleats for said end board secured by bolts arranged therethrough and through said end board and the inner legs of said body posts, said cleats being spaced from the outer legs of said posts so that the ends of the side boards may be inserted between the same, all coacting for the purpose specified.

2. In a wheelbarrow, the combination of side bars or rails; the legs 3; the braces 5 therefor; and the body posts 7, said legs, braces and body posts being formed integral of pieces of angle iron, arranged with the legs thereof projecting upwardly and inwardly, the upper ends of the leg portions 3 being

bent rearwardly into arms 4 to receive the
said side bars, said brace portions forming
feet for the substantially vertical legs; side
boards; an end board arranged between said
5 body posts resting against the inner legs
thereof with its ends abutting against the
outer legs thereof; cleats for said end board
secured by bolts arranged therethrough and
through said end board and the inner legs of
10 said body posts, said cleats being spaced
from the outer legs of said posts so that the

ends of the side boards may be inserted be-
tween the same, all co-acting for the purpose
specified.

In witness whereof, we have hereunto set 15
our hands and seals in the presence of two
witnesses.

BURTON S. GIER. [L. S.]

HOLLY M. VERPLANCK. [L. S.]

Witnesses:

J. F. NEWMAN,

J. S. OLCOTT.