

Aug. 7, 1945

W. M. ROBERTS

2,381,618

KIDDIE BARROW

Filed April 27, 1944

2 Sheets-Sheet 1

Fig. 1.

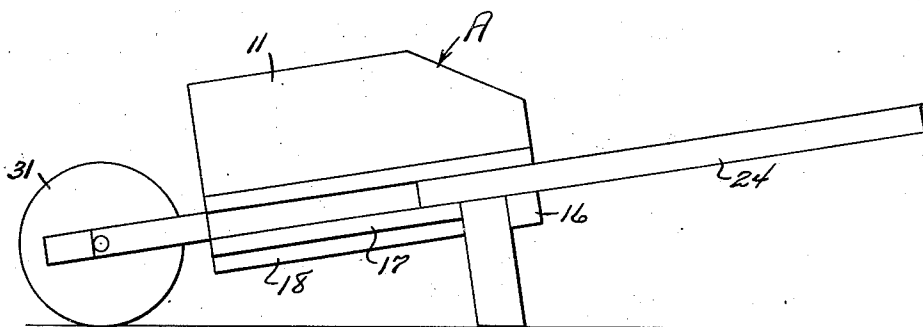


Fig. 2.

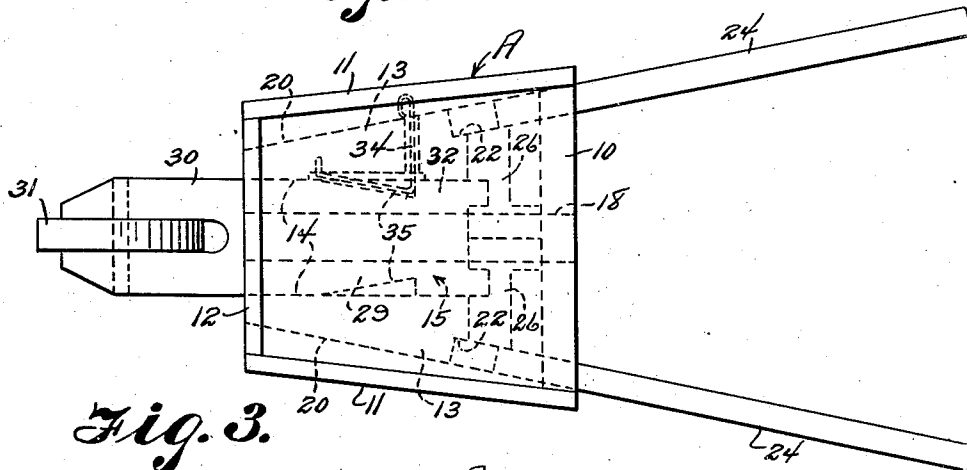
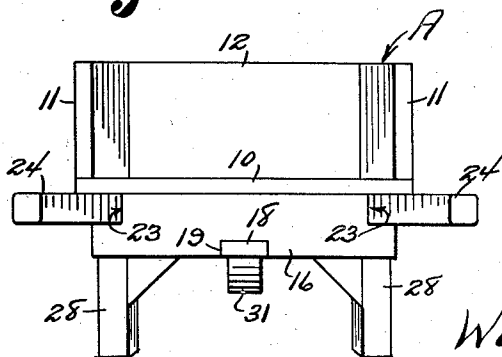


Fig. 3.



INVENTOR.

William M. Roberts

BY Victor J. Evans & Co.

ATTORNEYS

Aug. 7, 1945.

W. M. ROBERTS

2,381,618

KIDDIE BARROW

Filed April 27, 1944

2 Sheets-Sheet 2

Fig. 4.

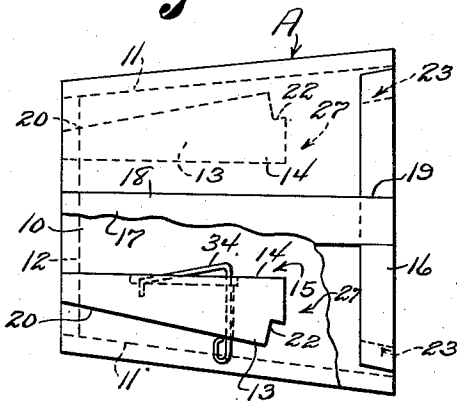


Fig. 5.

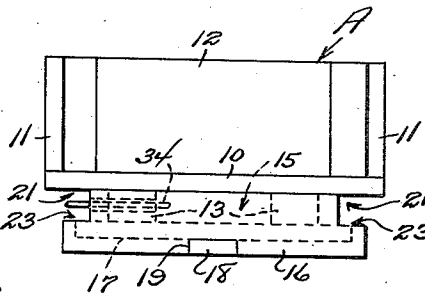


Fig. 7.

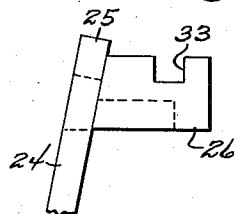


Fig. 6.

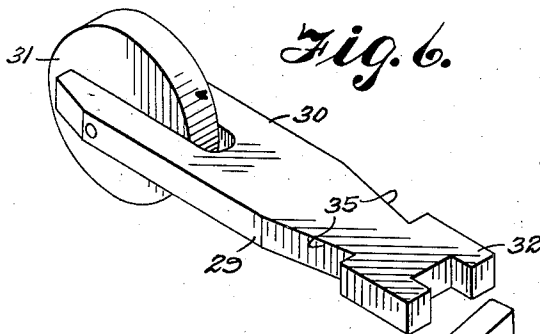


Fig. 8.

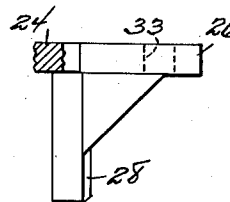


Fig. 9.

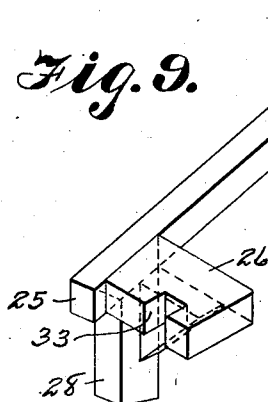
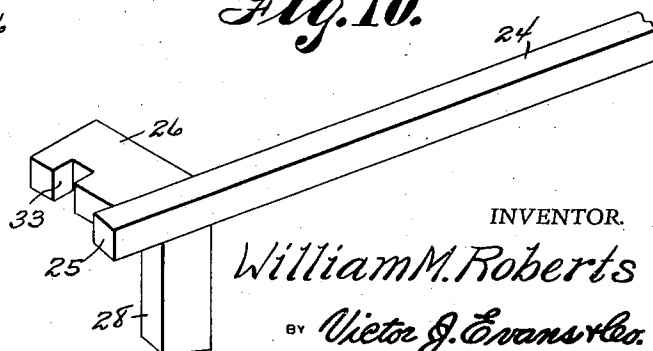


Fig. 10.



INVENTOR.

William M. Roberts

BY *Victor J. Evans & Co.*

ATTORNEYS

Patented Aug. 7, 1945

2,381,618

UNITED STATES PATENT OFFICE

2,381,618

KIDDY BARROW

William M. Roberts, Tyler, Tex.

Application April 27, 1944, Serial No. 533,004

3 Claims. (Cl. 46-17)

The invention relates to a wheel-barrow, and more especially to a knockdown wheel-barrow for children's use.

The primary object of the invention is the provision of a wheel-barrow of this character, wherein its collapsibility makes the shipping problem nil, because its all over length, when collapsed, enables packing thereof in a corrugated carton of a relatively small size, so that the latter can be stored in the least possible space and readily handled, the wheel-barrow will be sturdy and withstands loading up to approximately fifty pounds.

Another object of the invention is the provision of a wheel-barrow of this character, wherein its collapsing feature provides an opportunity for those youngsters with mechanical skill and taste to take down and reassemble to their heart's content without the barrow being damaged by numerous operations in this direction.

A further object of the invention is the provision of a wheel-barrow of this character, wherein its parts are interchangeable, this being an advantage, if it becomes necessary to ship knockdown in bulk, and also for the replacement of parts as may become necessary, the wheel-barrow being attractive in appearance and mechanically appeals to the average youngster, it functioning as a toy.

A still further object of the invention is the provision of a wheel-barrow of this character, which is simple in construction, thoroughly reliable and efficient in operation, strong, durable, neat and pleasing in appearance, readily and easily knocked down and set up, with dispatch, thoroughly safe in the use thereof, conveniently handled for storing and shipping, and inexpensive to manufacture.

With these and other objects in view, the invention consists in the features of construction, combination and arrangement of parts as will be hereinafter more fully described, illustrated in the accompanying drawings, which show the preferred embodiment of the invention, and pointed out in the claims hereunto appended.

In the accompanying drawings:

Figure 1 is a side view of the wheel-barrow constructed in accordance with the invention.

Figure 2 is a top plan view thereof.

Figure 3 is a rear elevation.

Figure 4 is a bottom plan view of the body part detached.

Figure 5 is a rear view of the body part shown in Figure 4.

Figure 6 is a perspective view of the wheel fork.
Figure 7 is a fragmentary plan view of one of the handle bars.

Figure 8 is an elevation of the structure shown in Figure 7.

Figure 9 is a perspective view of one of the handle bars.

Figure 10 is a perspective view of the other of the handle bars.

Similar reference characters indicate corresponding parts throughout the several views in the drawings.

Referring to the drawings in detail, the wheel-barrow constructed in accordance with the invention, comprises a body part A having a floor section 10, upstanding side panels 11 rising therefrom, and an upstanding end piece 12, which also rises from the said floor section, the latter and the side panels 11 being permanently or detachably fastened in place in any suitable manner.

At the under side of the floor section 10 are securely fixed a pair of spaced substantially triangular shaped blocks 13, these having their straight side edges 14 parallel with each other at a determined distance from one another on opposite sides of the longitudinal median of the body part A to provide a central channel-way 15. These blocks 13 have their smaller ends forwardly of the body part A, while the wider ends are rear-most of the latter and terminate removed from a cross-piece 16 at the rearmost end of such body part. This piece 16 is secured to the floor section 10 and has joined therewith a cover piece 17, which is similarly shaped to the floor section and underlies the blocks 13 to be held fast relative thereto in any suitable manner. This cover piece 17 is inset relative to the piece 16 to overlie a longitudinally disposed center brace bar 18 which interfits the said piece 16 as at 19 at its rearmost end.

The outer angled edges 20 to the straight edges 14 of the blocks 13 confront at opposite sides of the body part A open spaces 21, between the floor section 10 and the cover piece 17, while the rearmost ends of such blocks 13 are provided with notches 22 which longitudinally align with notches 23 in the cross-piece 16 at its ends next to the floor section 10, these notches being adapted to receive separated handle bars 24 which are adapted for removable fitting in the spaces 27 in the setting up of the wheel-barrow. The handle bars 24 are provided near their forward ends 25 which are accommodated in the notches 23, with lateral locking tongues 26, which are adapted to slide into spaces 27 therefor, these forward

ends of the handle bars 24 being fitted with braced legs 28.

Adapted to be removably inserted in the channel-way 15 is the stem 29 of a wheel-fork 30, carrying a ground wheel 31. The stem 29 at its inner end is formed with a locking key head 32 for interfitting in notches 33 formed in the tongues 26 of the handle bars 24, they being first inserted in place before the insertion of the stem 29 in the said channel-way 15 when setting up the wheel-barrow. In this manner, the stem 29 and the handle bars 24 are interlocked with each other and also interlocked with the blocks 13, so that the body part A will be assembled therewith. Under this assembly, there is no chance of the handle bars 24 working loose in a lateral direction at either side of the body part A, until released in a manner presently described.

Fitted in one of the blocks 13 and readily accessible through one of the open spaces 27 is a hand released spring latch 34 which is adaptable for engagement in either one of a pair of keeper notches 35 in opposite side edges of the stem 29. This latch 34 detachably secures the stem 29 in the channel-way 15, the wheel fork 30 being reversibly engageable in the latter, as will be apparent from Figures 2 and 6 of the drawings. The latching of the wheel fork 30 also enables the latching of the handle bars 24 in place, as will be noted in Figure 2 of the drawings.

It should be apparent from the foregoing when taken in connection with the drawings that the wheel-barrow can be readily and easily knocked-down and assembled for use, it being perfectly safe when assembled, and in a knocked-down condition can be conveniently stored and shipped,

the assembling of the wheel-barrow lending attractiveness and mechanical skill to a youngster, and functions as a toy.

What is claimed is:

1. A wheel-barrow of the kind described, comprising a body part, handle bars for the body part, a wheel fork for said body part, means located at the under side of the body part for effecting detachable interfitting and interlocking of the wheel fork and handle bars therewith and a releasable latch engageable with the wheel fork for holding the same, handle bars and body part interlocked with one another.

2. A wheel-barrow of the kind described, comprising a body part, handle bars for the body part, a wheel fork for said body part, means located at the under side of the body part for effecting detachable interfitting and interlocking of the wheel fork and handle bars therewith, a releasable latch engageable with the wheel fork for holding the same, handle bars and body part interlocked with one another and a stem on the wheel fork for reversible fitting to the body part.

3. A wheel-barrow of the kind described, comprising a body part, handle bars for the body part, a wheel fork for said body part, means located at the underside of the body part for effecting detachable interfitting and interlocking of the wheel fork and handle bars therewith, a releasable latch engageable with the wheel fork for holding the same, handle bars and body part interlocked with one another, a stem on the wheel fork for reversible fitting to the body part and a ground wheel carried by the wheel fork and arranged for ground contact on reversal of the stem of said fork.

WILLIAM M. ROBERTS.