

N^o 1869



A.D. 1912

Date of Application, 23rd Jan., 1912

Complete Specification Left, 30th Mar., 1912—Accepted, 6th June, 1912

PROVISIONAL SPECIFICATION.

Improvements in Toy Hand-carts or similar Vehicles.

We, WILLIAM BRITAIN and BRITAINS LIMITED, both of 28, Lambton Road, Hornsey Rise, in the County of London, Toy Manufacturers, do hereby declare the nature of this invention to be as follows:—

5 This invention relates to a toy hand-cart or similar vehicle and the object is to produce an improved device of this class constructed preferably of metal in such a manner that the parts may be readily taken to pieces and reassembled and when so taken to pieces certain parts either alone or combined may be used for other useful purposes.

10 It is our intention to produce a hand cart in imitation of those frequently used by "boy scout" brigades, in the form of a toy which will be amusing and instructive to the users in conjunction with "scout" figures.

15 According to this invention the base or floor of the cart comprises a plate having at each corner of its upper surface a vertical post for attachment of the sides and ends of the cart, these parts being in the form of ladder members having forked ends which, when in position, engage the corner posts by sliding them over same in a predetermined arrangement, but when removed or detached said forked ends may be inserted into each other to form a ladder or ladders of variable length according to the number of members employed.

20 The base is also provided with a number, for example two apertures into which detachably fit corresponding bosses on the axle tree or axle carrying the running wheels, and further on the lower surface of the base, are a number for example four perforated bosses two on each side at back and front of the axle and through each pair of which is passed a shaft for instance in the form of a piece of wire which extends across a boss on the axle and thus holds the base and axle together.

25 Thus by removal of the shafts the axle and running wheels formed as a whole may be removed from the base, then by removing the side and end members and fixing them together as described, a ladder or ladders may be produced and again by reversing the base and standing same on its four corner posts as legs, a table is provided.

Dated this 23rd day of January, 1912.

HERBERT HADDAN & Co.,
Agents for Applicants,
31 & 32, Bedford Street, Strand, London, W.C.

35 COMPLETE SPECIFICATION.

Improvements in Toy Hand-carts or similar Vehicles.

We, WILLIAM BRITAIN and BRITAINS LIMITED, both of 28, Lambton Road, Hornsey Rise, in the County of London, Toy Manufacturers, do hereby declare

[Price 8d.]



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the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention relates to a toy hand-cart or similar vehicle and the object is to produce an improved device of this class constructed preferably of metal in such a manner that the parts may be readily taken to pieces and reassembled and when so taken to pieces certain parts either alone or combined may be used for other useful purposes. 5

It is our intention to produce a hand-cart in imitation of those frequently used by "boy scout" brigades, in the form of a toy which will be amusing and instructive to the users in conjunction with "scout" figures. 10

The invention comprises such a vehicle having its floor or base provided at its corners with posts with which there are adapted to engage the forked ends of side and end members in such a manner that these members may be easily removed and replaced in position.

The invention further comprises the construction of such side and end members as sections of ladders so that when removed from the base the forked ends thereof may be fitted together to produce a ladder formed of a plurality of such ladder sections. 15

The invention still further comprises means for detachably connecting the axle tree or other wheel carrying member to the base by providing the latter with one or more apertures engaged by a corresponding boss or bosses on said wheel carrying member, the parts being held in connection by detachable shafts carried by the base and maintaining the boss or bosses in its aperture or apertures respectively. 20

An embodiment of the invention is represented in the accompanying drawings in which Figure 1 is a front elevation; Figure 2 an end elevation and Figure 3 a plan view. Figure 4 is a section on the line 4—4 of Figure 3. Figure 5 is a section on the line 5—5 of Figure 3, and Figures 6 and 7 are respectively a front elevation and plan showing side and end members interconnected to form a ladder. 25 30

In the construction illustrated the base or floor of the cart comprises a plate *a* having at each corner of its upper surface a vertical post *b* for attachment of the sides and ends of the cart, these parts being in the form of ladder members *d* having forked ends *c*¹ which, when in position, engage the corner posts by sliding them over same in a predetermined arrangement, as shown more particularly in Figure 3, but when removed or detached said forked ends may be inserted into each other to form a ladder or ladders of variable length according to the number of members employed, as indicated in Figures 6 and 7. 35

From inspection of these figures it will be seen that the forked ends of the ladder members *c* at opposite ends thereof are disposed in different planes and that a projection *c*² is formed near each end to engage the fork of the adjacent member, the ends of the members overlapping when the parts are so engaged. The said ends are also arranged in overlapping relation when the ladder members are in place to form the sides and ends of the cart. 40 45

The plate *a* is also provided with apertures *d* into which detachably fit corresponding bosses *e* on the axle tree *f*, which is provided with bearings *g* for the axle *h* on which the running wheels *i* are mounted, and further on the lower surface of said base plate are perforated lugs *j* two being shown on each side at back and front of the axle and through each pair of which is passed a shaft *k* for instance in the form of a piece of wire which extends across one of the bosses *e* on the axle tree and thus holds the base, axle tree, axle and wheels together. 50

Thus by removal of the shafts *k*, the axle tree, axle and running wheels formed as a whole may be removed from the base plate, whereupon by removing the side and end members *b* and fixing them together as described, a 55

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ladder or ladders may be produced and again by reversing the base plate and standing same on its four corner posts *b* as legs, a table is provided.

Having now particularly described and ascertained the nature of our said invention and in what manner the same is to be performed, we declare that
5 what we claim is:—

1. A toy vehicle having a base provided at its corners with posts with which the forked ends of side and end members are adapted to be detachably engaged.

2. A toy vehicle having its base apertured for reception of a boss on a wheel carrying member with shafts detachably carried by said base, and
10 adapted to hold said boss in its aperture.

3. A toy vehicle having side and end members in the form of ladder sections provided with forked ends adapted for interengagement to produce a ladder formed of a plurality of said sections.

4. A toy vehicle having its parts arranged, combined and adapted for use
15 substantially as hereinbefore described with reference to the accompanying drawings.

Dated this 30th day of March, 1912.

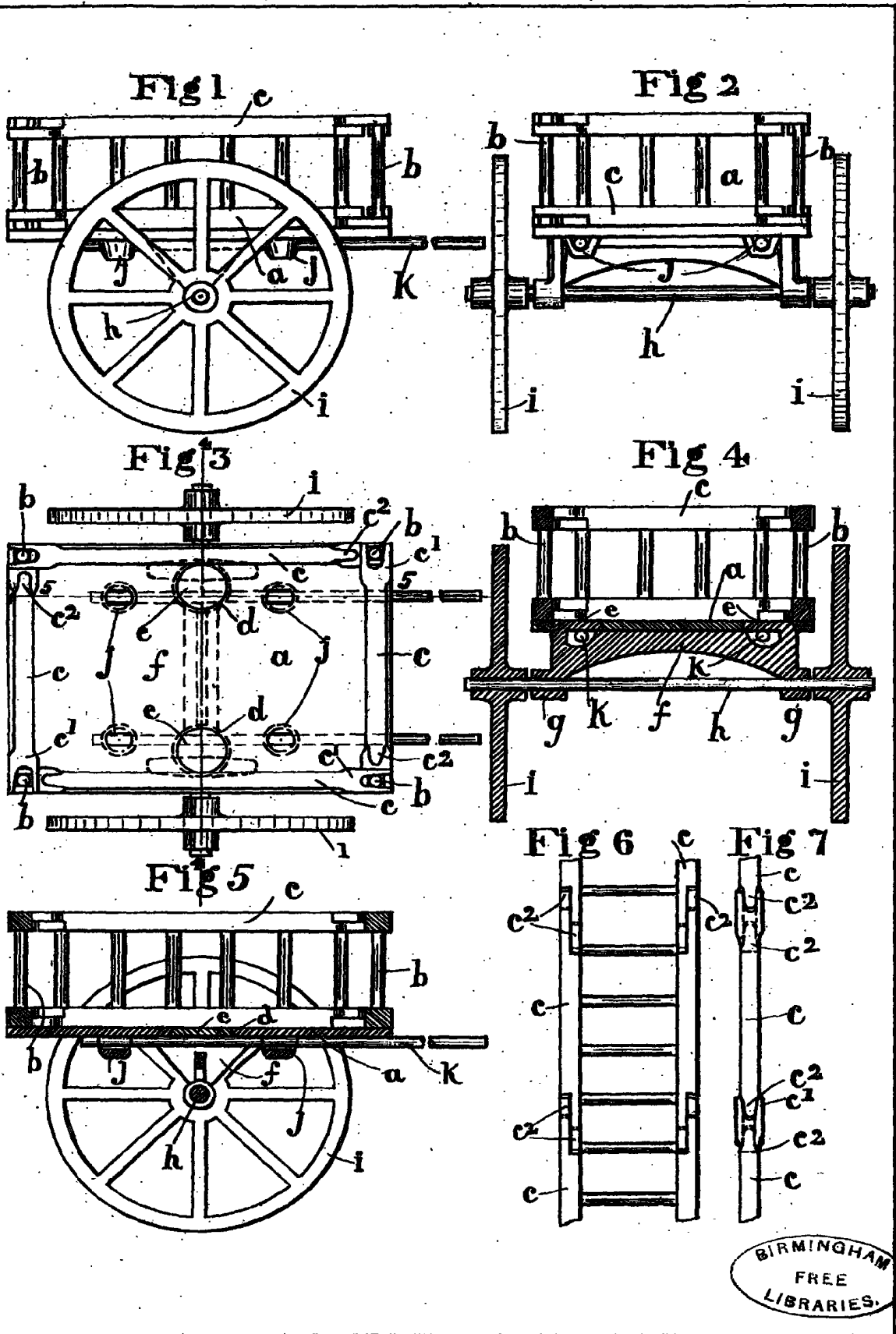
HERBERT HADDAN & Co.,

Agents for Applicants,

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31 & 32, Bedford Street, Strand, W.C., London.

[This Drawing is a reproduction of the Original on a reduced scale]



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