



# PATENT SPECIFICATION

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## COMPLETE SPECIFICATION

### A Toy Gun or Cannon

We, BRITAINS LIMITED, a Company organised under the Laws of Great Britain, of Lambton Road, Hornsey Rise, London, N.19, and THOMAS JOHN HANDLEY, British Subject, of 18, Tranmere Road, Edmonton, N.9, do hereby declare 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 gun or cannon and has for its object to provide an improved construction of gun which simplifies manufacture and assembly of the gun and reduces the number of components to a minimum.

A toy gun or cannon according to this invention, comprises a carriage component supported by wheel and axle unit and a gun component mounted in seatings on the carriage, in which position it is secured by means of a strap attached to the gun component and anchored to or fastening on the wheel axle.

The carriage component, which may be of standard design, is preferably provided with channel grooves to receive trunnion pins or lugs on the gun component, the latter being held in position in the grooves by means of a wire or pin which constitutes the wheel axle and is threaded through an opening in the strap which is integral with the gun.

The invention is illustrated in the accompanying drawings in which Fig. 1 is a side elevation (with the nearside wheel removed) of a toy field gun constructed in accordance with the invention. Fig. 2 is an underside plan view.

Referring to the drawings the toy field gun to which this invention relates comprises essentially a carriage component A and a gun or piece component B, the whole being mounted on an axle having wheels W.

According to the invention the component constituting the piece B is supported by means of trunnion pins or lugs

1 in seatings 2 provided on the carriage component A, to which it is secured by a strap 4 fastened to the wheel axle.

In the embodiment illustrated the piece B comprises parts 5 and 6 simulating the gun barrel and recoil mechanism, 7 being a breech block. The parts 5, 6 and 7 are constructed as a one piece pressing and, as seen in plan, have laterally projecting hubs 8 with which the pins 1 are integral.

The carriage B comprises spaced side plates 3 connected by a tail or ground plate 9 and a front rib 10. The front face of the rib 10 is set at an incline as indicated at 11 to provide a seating for the usual armoured plate or shield 13, which in this invention is integral with the piece B. The carriage side plates 3 are formed at their forward end with raised portions 3<sup>1</sup>, in the upper edge of which are cut channel grooves constituting the seatings 2 for the trunnion pins. On the side plates 3 are hub bosses 14 which are bored to receive an axle wire 15 mounting the wheels W. Preferably as shown the bosses 14 are formed with slots 16 so that the bores can be constructed by means of a slotting operation instead of drilling which overcomes the necessity of accurately centering the axis of each bore.

As is clearly shown in Fig. 2 the axle wire 15 is threaded through an opening in the strap 4 integral with the piece B. 20 indicates a firing pin slidably mounted in the bore of the piston and normally urged to the firing position by a compression spring 21 mounted between a striker head 22 on the pin 20 and the shouldered inner end of the bore. Pin 20 is bent at 23 to provide a trigger control which also serves to retain the pin in position in the barrel. To load, prior to firing, the pin 20 is withdrawn by pulling on 23 and rotating it through 90° so that it engages behind the rear face of the breech block 7.

Having now particularly described and ascertained the nature of our said inven-

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tion and in what manner the same is to be performed, we declare that what we claim is:—

5 1. A toy gun or cannon comprising a carriage component and a gun component in which the carriage component is supported by a wheel and axle unit and is formed with seatings for mounting the gun component, the gun component having a strap anchored to or fastening on the wheel axle, and by means of which it is maintained in its seating on the carriage component.

10 2. A toy gun or cannon as claimed in claim 1 in which the carriage component has side plates in which are formed channel grooves to receive trunnion pins

or lugs on the gun component.

3. A toy gun or cannon as claimed in claim 2 in which the carriage component has hub bosses in which are slots to receive a wire or like axle. 20

4. A toy gun or cannon as claimed in claim 3 in which the axle is threaded through an opening in the strap. 25

5. A toy gun or cannon substantially as described and illustrated in the accompanying drawings.

Dated this 28th day of April, 1948.

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

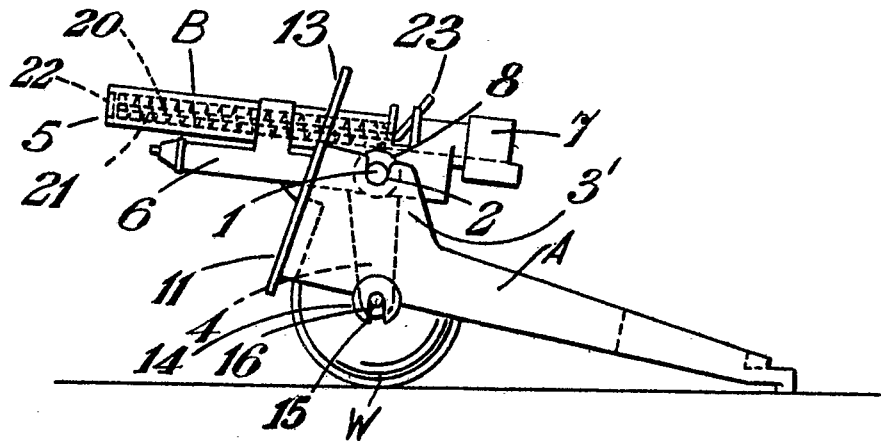


Fig. 1.

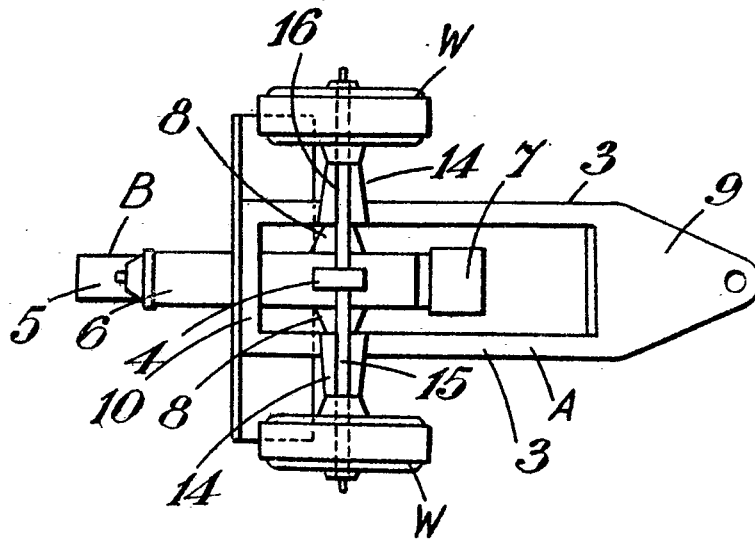


Fig. 2.