

N^o 20,775



A.D. 1894

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Complete Specification Left, 23rd July, 1895—Accepted, 24th Aug., 1895

PROVISIONAL SPECIFICATION.

Improvements in Mechanical Toys.

I, WILLIAM BRITAIN Junr. of 28 Lambton Road, Hornsey Rise London, Mechanical Model Maker do hereby declare the nature of this invention to be as follows :—

5 My invention consists of a method of making a spring cannon that will take to pieces to be packed on the backs of toy animals, and when fitted together shall form a breach loading cannon capable of firing a shot or bolt with sufficient force to overthrow toy soldiers and horses.

10 For fixing the gun together I make a horizontal slot in each side of the carriage, entering from the front, to receive the axle of the wheels; and I make a vertical hole or slot in each side of the carriage so that pins pushed into them when the axle is in position will hold the axle and prevent it falling out, I make two pins project downwards from the trunnions of the gun to correspond with the holes in the frame; and I hold the wheels on to the axle in any convenient way. Then
15 when the axle is fitted into the frame, and the pins on the gun are pushed into the holes in the frame, the whole is fixed firmly together and ready for use.

20 I make a vertical slot extending from the breach of the gun some distance towards the trunnions, I make a straight spring fixed in the tail of the carriage and projecting about half way along it; I make a "striker" somewhat in the shape of a bell crank, consisting of a long lever fulcrumed in the carriage a little forward of the front end of the spring, and projecting upward through the slot in the gun, and a short lever projecting backwards from it to press on the end of the spring.

25 To load the cannon I pull the top end of the lever backwards right out of the breach of the gun and press it down until the short lever which is pressing upon the spring stands perpendicular to the spring and so holds it in check without power to act. Then the gun is ready to receive a shot or bolt which is placed in the breach; and the striker is then slightly raised until it passes the dead centre when the spring comes into action and suddenly sends the striker forward driving the bolt before it.

30 Dated this 30th day of October 1894.

W. BRITAIN, JR.

COMPLETE SPECIFICATION.

Improvements in Mechanical Toys.

35 I, WILLIAM BRITAIN Junr. of 28 Lambton Road, Hornsey Rise London Mechanical Model Maker 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 :—

40 My invention consists of a method of making a spring cannon that will take to pieces to be packed on the backs of toy animals, and when fitted together shall form a breach loading cannon capable of firing a shot or bolt with sufficient force to overthrow toy soldiers and horses.

[Price 8d.]

Britain's Improvements in Mechanical Toys.

In the accompanying drawings

Fig. 1 is the gun.

Fig. 2 the carriage.

Fig. 3 the wheels.

Fig. 4 is a section through the principal parts of the whole fitted together. 5

For fixing the gun together I make a horizontal slot *a* in each side of the carriage, entering from the front to receive axle *b* of the wheels; and I make a vertical hole or slot *c* in each side of the carriage so that pins pushed into them when the axle is in position will hold the axle and prevent it falling out, I make two pins *d* project downwards from the trunnion of the gun to correspond with the holes in the carriage; and I hold the wheels on to the axle in any convenient way. Then when the axle is fitted into the carriage and the pins on the gun are pushed into the holes the whole is fixed firmly together and ready for use. 10

I make a vertical slot *e* extending from the breach of the gun some distance towards the trunnions, I make a straight spring *f* fixed in the tail of the carriage, and projecting about half way along it, and a "striker" somewhat in the shape of a bell crank, consisting of a long lever *g* fulcrumed in the carriage a little forward of the front end of the spring, and projecting upwards through the slot in the gun, and a short lever *h* projecting backwards from it to press on the end of the spring. 15 20

To load the cannon I pull the top end of the lever backwards right out of the breach of the gun and press it down until the short lever which is pressing upon the spring stands perpendicular to the spring and so holds it in check without power to act. Then the gun is ready to receive a shot or bolt which is placed in the breach; and the striker is then slightly raised until it passes the dead centre when the spring comes into action and suddenly sends the striker forward driving the bolt before it. 25

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:— 30

1st. A toy cannon with slots in the front of the carriage to receive the axle, and pins projecting downwards from the trunnions through holes in the carriage and past the axle thus holding the whole together substantially as described.

2nd. A toy cannon with a spring in the tail of the carriage, pressing upon the short lever of a striker shaped something like a bell crank and with the long lever working in a slot in the breach of the gun substantially as described. 35

Dated, this 23rd day of July 1895.

W. BRITAIN, JR.

Fig. 1.

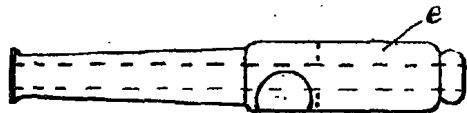


Fig. 3.

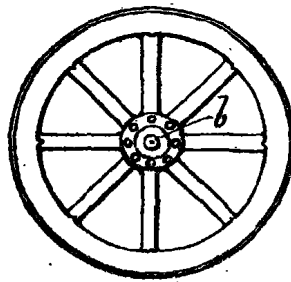


Fig. 2.

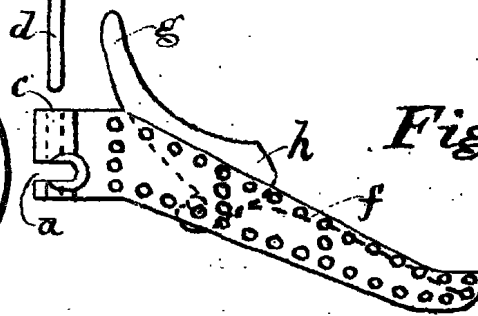
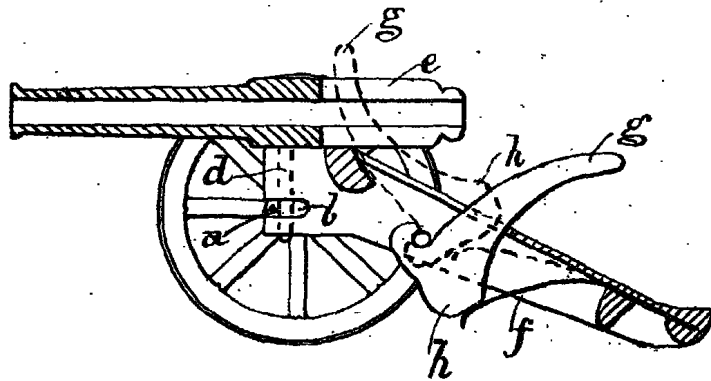


Fig. 4.



[This Drawing is a full-size reproduction of the Original.]