

(No Model.)

M. J. SHIMER.
TOY CANNON.

No. 538,131.

Patented Apr. 23, 1895.

Fig. 1.

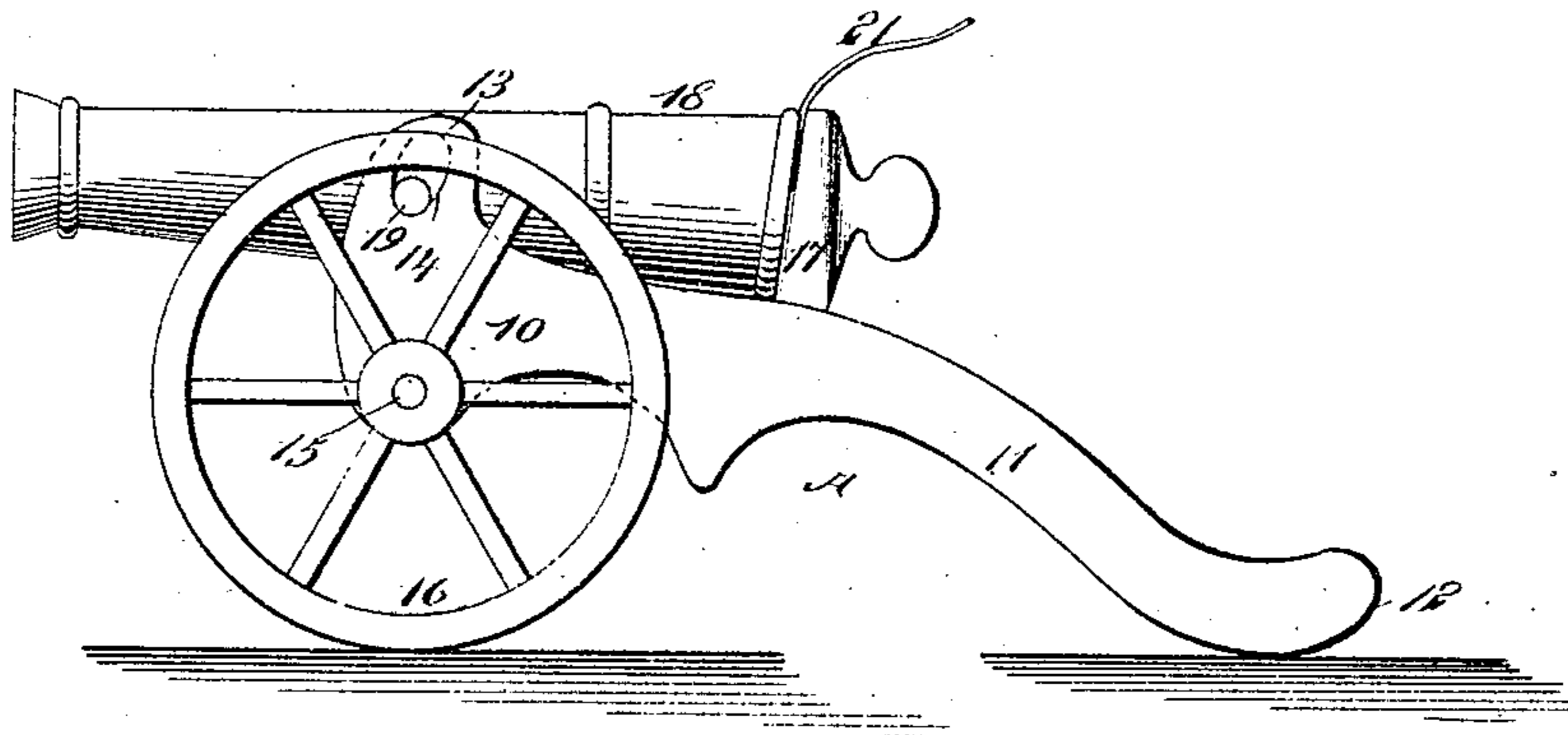


Fig. 2.

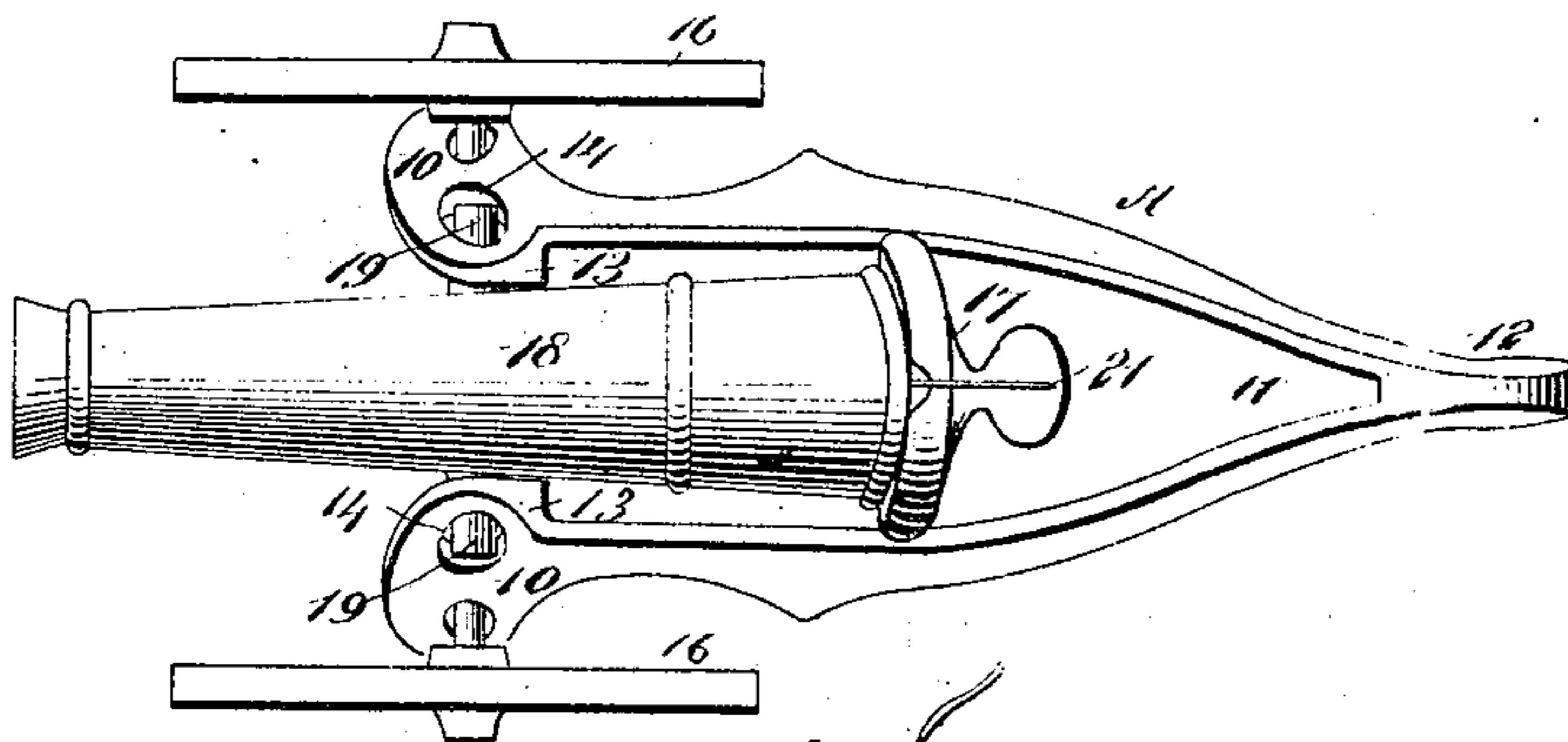
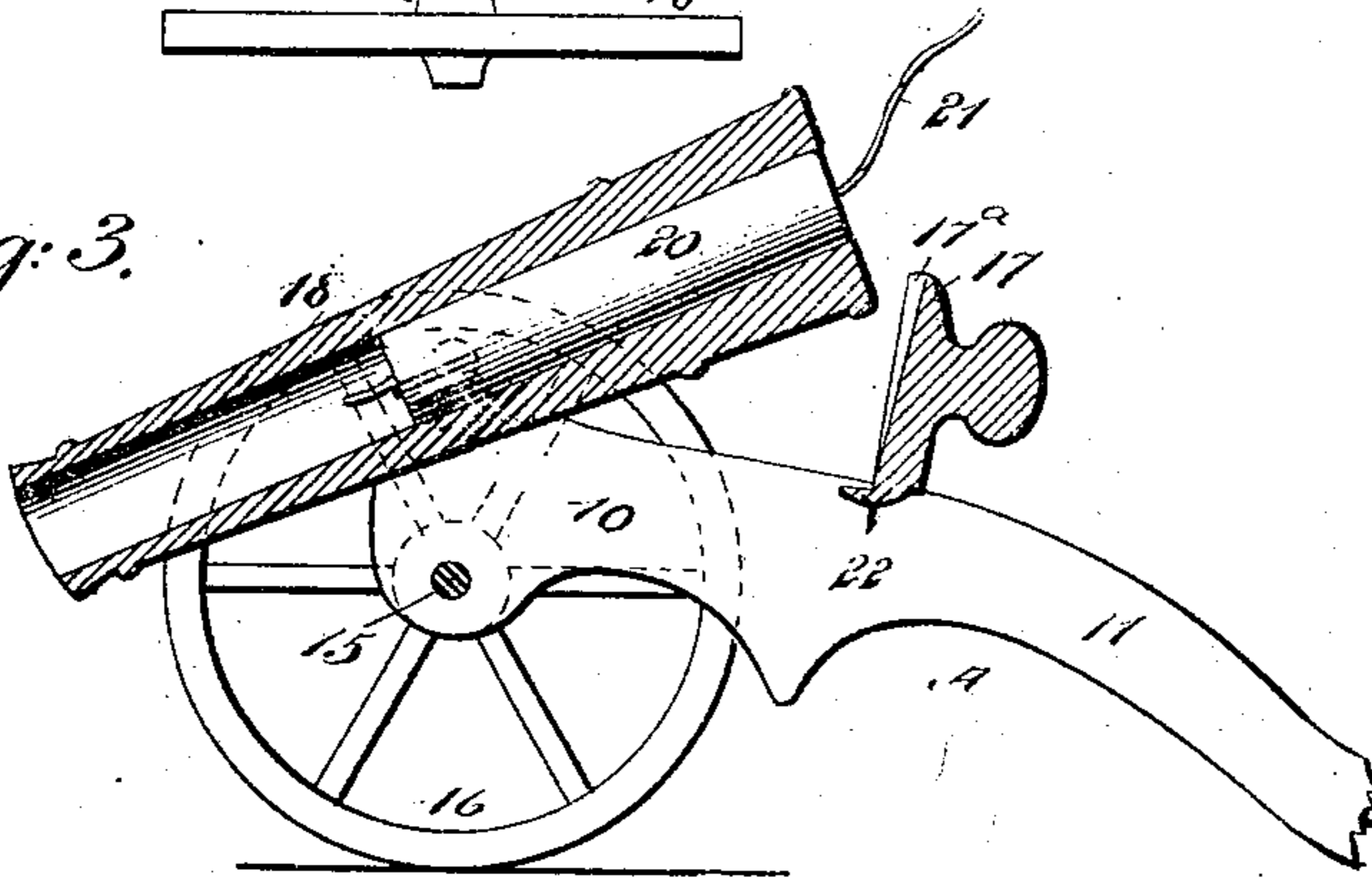


Fig. 3.



WITNESSES:

John A. Remue.
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UNITED STATES PATENT OFFICE.

MILTON J. SHIMER, OF FREEMANSBURG, PENNSYLVANIA.

TOY CANNON.

SPECIFICATION forming part of Letters Patent No. 538,131, dated April 23, 1895.

Application filed January 17, 1895. Serial No. 535,237. (No model.)

To all whom it may concern:

Be it known that I, MILTON J. SHIMER, of Freemansburg, in the county of Northampton and State of Pennsylvania, have invented a new and useful Improvement in Toy Cannons, of which the following is a full, clear, and exact description.

My invention relates to an improvement in toy cannons, and especially to a cannon adapted to be loaded with fire-crackers or like explosives.

The object of this invention is to so construct the toy cannon that it will be breech-loading, and whereby a fire-cracker or like charge may be placed in the barrel at the breech with the fuse or stem of the cracker extending outward, and to provide a breech block against which the breech of the cannon shall close, said breech block being fitted with a recess permitting the exposure of the fuse or stem of the cracker.

Another object of this invention is to provide a carriage for a cannon, so constructed that after the trunnions of the cannon have been mounted in said carriage they cannot be removed therefrom while the carriage is mounted upon wheels or equivalent supports.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claim.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures and letters of reference indicate corresponding parts in all the views.

Figure 1 is a side elevation of the toy cannon. Fig. 2 is a plan view thereof; and Fig. 3 is a longitudinal section through the cannon, breech block and carriage.

In carrying out the invention the carriage A as usual comprises the cheeks 10, a stock 11 and the trail 12. The cheeks 10 at their upper forward ends are made to project upward, as shown at 13 in the drawings, and are likewise curved in an inwardly direction, or in direction of each other, and the extension 13 of each cheek is provided with a slot 14.

In the lower forward portion of the cheeks of the carriage an axle 15 is journaled, being

provided with ground wheels 16, and at the rear of the extension of the cheeks, between said cheeks and the stock, a breech block 17 is formed. This breech block may be integral with the carriage or may be attached thereto in any suitable or approved manner, the said breech block being provided upon its forward face with a channel 17^a, and said channel is preferably made wider at the top of the breech block than at the bottom thereof, being made tapering in its formation.

The cannon 18 is provided with trunnions 19, and prior to the axle being placed in its bearings in the cheeks of the stock the trunnions of the cannon are made to enter the openings 14 in the said cheeks, and in so doing the muzzle of the cannon is carried downward and in direction of the breech block.

The rear or breech end of the cannon is preferably inclined from its upper side downward in a forwardly direction, and the breech block is correspondingly inclined. After the cannon has been placed in its bearings in the carriage, when it is brought to a horizontal position, its breech end will be close to and parallel with the forward face of the breech block.

It is evident that after the cannon has been mounted in the cheeks of the carriage, when the axle 15 has been journaled in said cheeks and the wheels 16 placed upon the axle, the said cheeks cannot expand, and furthermore the muzzle of the cannon cannot be carried sufficiently downward and rearward to admit of the trunnions being displaced from their bearings. Consequently, while the cannon may be inclined so as to carry its breech upward to admit of its being loaded, it cannot be disconnected from the carriage.

The cannon is to be loaded by placing in its bore at the breech end a fire-cracker 20, or the equivalent thereof, and the fuse or stem 21 of the said cracker is carried upward in the channel 17^a of the breech block and beyond the top of the same, in order that it may be conveniently lighted. The breech of the cannon is prevented from being carried downward to too great an extent by means of a stop 22, which is attached to or is integral with the breech block 17.

Having thus described my invention, I adapted to engage the breech block, substantially as set forth.
claim as new and desire to secure by Letters Patent—

MILTON J. SHIMER.

In a toy cannon, the combination of an integral carriage having wheels, a breech block fixed on the rear part thereof, and a barrel pivoted on said carriage over the wheels and

Witnesses:

JOHN A. LANDENBERGER,
L. S. BIXLER.