

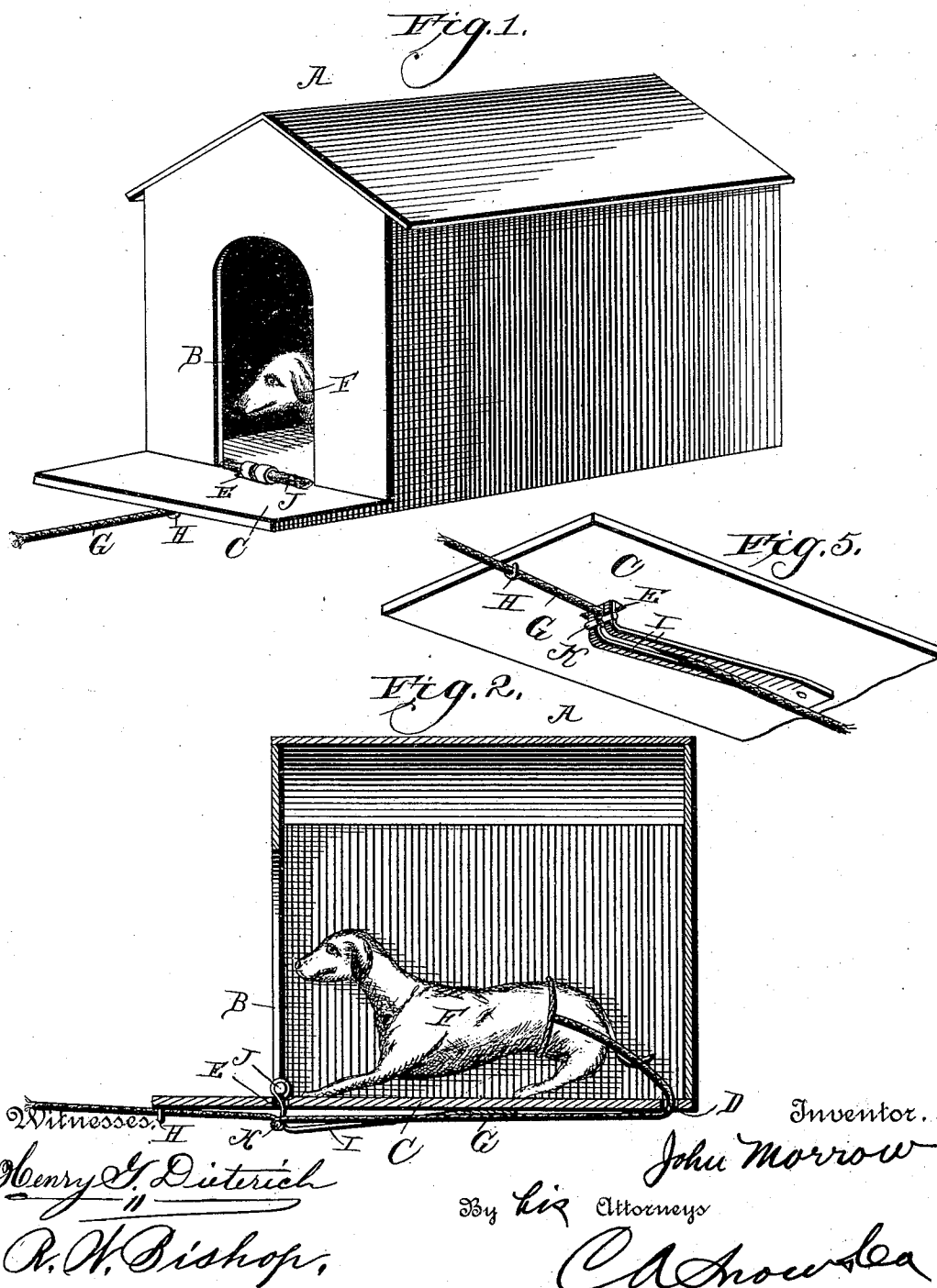
(No Model.)

2 Sheets—Sheet 1.

J. MORROW.
MECHANICAL TOY.

No. 396,221.

Patented Jan. 15, 1889.



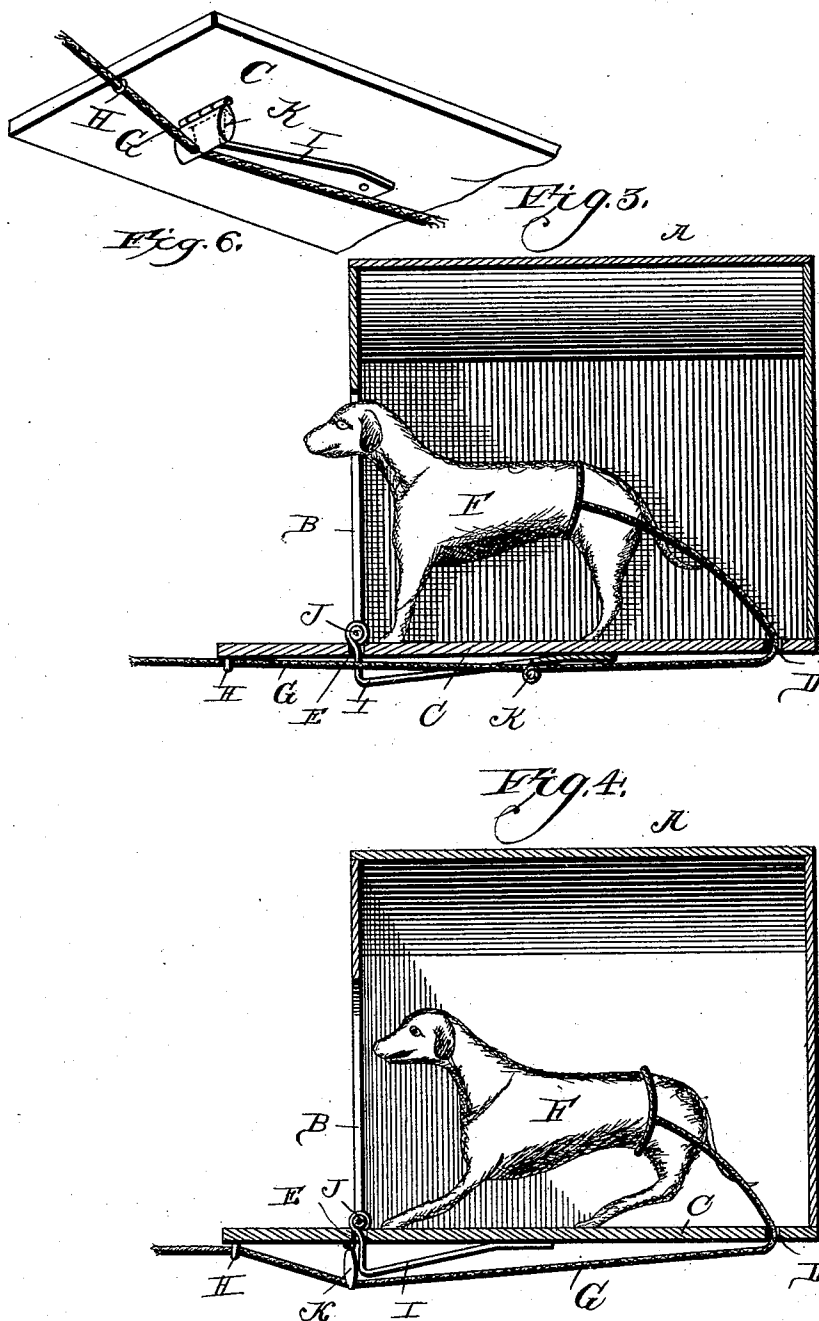
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MECHANICAL TOY.

No. 396,221.

Patented Jan. 15, 1889.



Witnesses,

Henry G. Dietrich
A. W. Bishop,

Inventor,

John Morrow

By *his* Attorneys

C. A. Snow & Co.

UNITED STATES PATENT OFFICE.

JOHN MORROW, OF LONDON, COUNTY OF MIDDLESEX, ENGLAND.

MECHANICAL TOY.

SPECIFICATION forming part of Letters Patent No. 396,221, dated January 15, 1889.

Application filed July 10, 1888. Serial No. 279,499. (No model.)

To all whom it may concern:

Be it known that I, JOHN MORROW, a citizen of the United States, residing at London, in the county of Middlesex, England, have invented a new and useful Improvement in Mechanical Toys, of which the following is a specification.

My invention relates to improvements in mechanical toys; and it consists in certain novel features, hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of my improved toy. Fig. 2 is a view partly in side elevation and partly in longitudinal vertical section. Fig. 3 is a similar view showing the parts in a different position, and Fig. 4 is a similar view showing a slight modification. Fig. 5 is a detail perspective view of the detent and the trigger, and Fig. 6 is a detail perspective view of the arrangement shown in Fig. 4.

Referring to the drawings by letter, A designates the casing, which is shaped to represent a kennel, and has an opening or door, B, in one end, as shown.

C designates the base or floor of the casing or kennel, provided with a vertical opening, D, near its rear end, and with a transverse slot, E, near its front end.

F designates a figure secured upon the upper side of the floor or base, and G is a cord secured to said figure, passing rearward therefrom to and through the opening D, and thence forward beneath the base and through a guide or staple, H, secured to the under side thereof, near its front end.

In the preferred form of my invention I employ a rubber dog for the figure, as shown, which is normally held in a sitting or reclining position by the cord G and the trigger, presently referred to, but will spring into a standing position on the release of the trigger, as will be hereinafter described.

The trigger consists of a leaf-spring, I, secured at its rear end to the under side of the floor or base, and having its front end bent upward and projected through and above the transverse slot E. A trip, J, in the form of a bone, is secured to the upper extremity of the front end of the trigger, and projects beyond the ends of the slot and normally rests on the floor of the casing or kennel. The cord G is

provided with a cross-bar or detent, K, which rests normally against the front upturned end of the trigger, and thereby maintains the figure of the dog in a reclining position.

The construction and arrangement of the parts of my device being thus set forth, its operation is as follows: The normal position of the parts is that shown in Fig. 2. If the trip be lifted, the trigger will be drawn from behind the detent, thereby releasing the same, when the dog will at once spring into a standing position by reason of its own elasticity, as will be readily understood. The dog is drawn back into a reclining position by means of the cord, which will draw the detent past the front end of the trigger, the leaf-spring of which will cause it to automatically slip into position in rear of the detent and engage the same, as will be readily understood, thereby preventing the dog unduly springing into an upright position.

It will thus be seen that I have produced a cheap and simple toy, the operation of which represents an attempt to steal the dog's bone and the consequent arousing of the dog to resist such attempt.

The detent, instead of being secured to and carried by the cord, may be a transversely pivoted plate, as shown in Fig. 4. This arrangement, while permitting a more limited movement of the dog, will operate in all respects substantially the same as that shown in the other figures, and may sometimes be preferred. It is obvious, also, that the figure of some other animal may be substituted for that of the dog, and the bone may be removed and replaced by another suitable device, without departing from my invention.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A mechanical toy comprising a base, an elastic figure secured thereon, a trip arranged in advance of the figure, and a cord secured to the figure, extending forward under the base, and controlled by the trip, whereby upon raising the trip the figure will automatically spring up, as set forth.

2. A mechanical toy comprising the base, the elastic figure secured thereto, the trip arranged in advance of the figure, the trigger secured to the base and connected to the trip,

the cord secured to the figure and extending past the trigger, and the detent secured to said cord and engaging the trigger, as set forth.

- 5 3. A mechanical toy comprising the base having a vertical opening near its rear end and a transverse slot near its front end, the trigger consisting of a leaf-spring having its rear end secured to the under side of the base
10 and its front end bent upward through the transverse slot, the trip secured to the extremity of said upturned end, the elastic fig-

ure secured on the base, the cord secured to the figure extending through the rear opening in the base and thence forward past the trigger, and the detent secured to the cord and resting against the trigger, as specified. 15

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

JOHN MORROW.

Witnesses:

H. G. BISHOP,

H. STEVENS.