

(No Model.)

A. D. MOUNTAIN.
TOY OR TRICK DEVICE.

No. 515,439.

Patented Feb. 27, 1894.

FIG. 1.

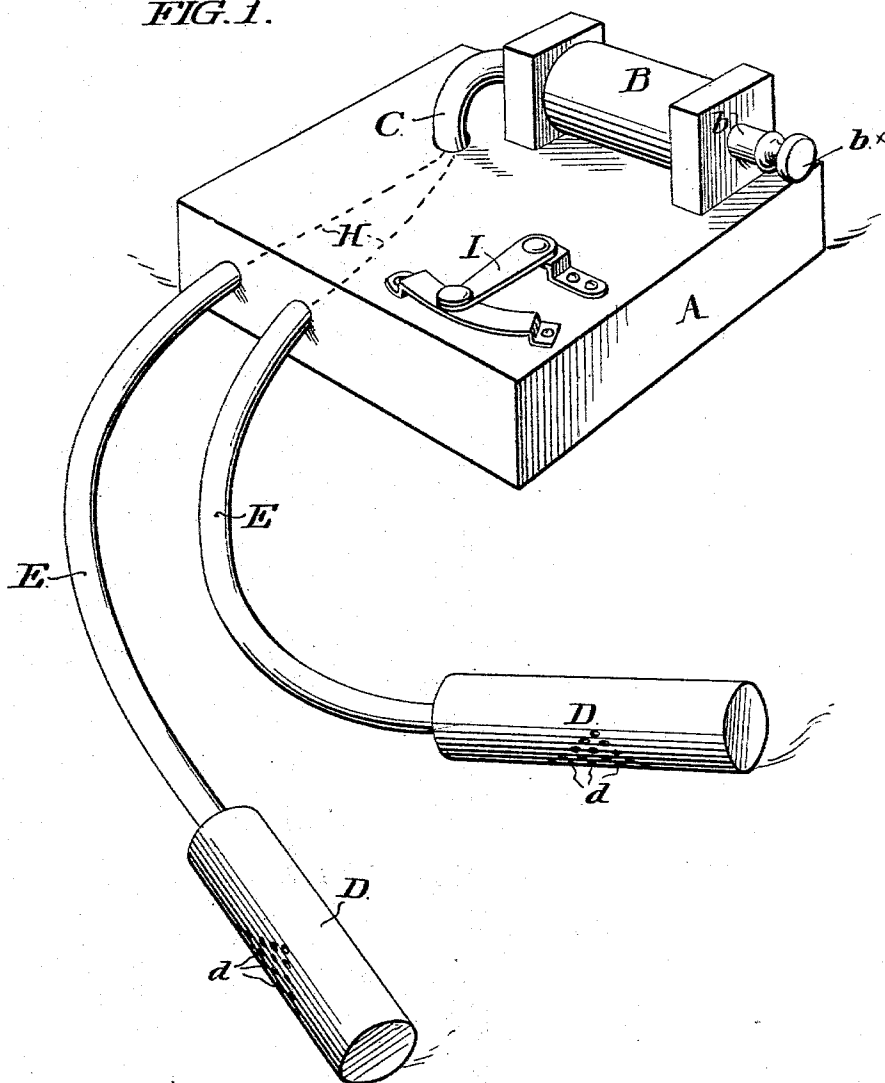


FIG. 2.

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WITNESSES:

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By his Attorney
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UNITED STATES PATENT OFFICE.

ALBERT D. MOUNTAIN, OF PHILADELPHIA, PENNSYLVANIA.

TOY OR TRICK DEVICE.

SPECIFICATION forming part of Letters Patent No. 515,439, dated February 27, 1894.

Application filed November 3, 1893. Serial No. 489,908. (No model.)

To all whom it may concern:

Be it known that I, ALBERT D. MOUNTAIN, a citizen of the United States, residing in the city and county of Philadelphia, in the State of Pennsylvania, have invented an Improvement in Toys or Trick Devices, of which the following is a specification.

In the accompanying drawings, Figure 1 is a view in perspective of a device embodying a preferred form of my invention. Fig. 2 is a longitudinal, central, sectional elevation of one of the cylinders or electrodes.

Similar letters of reference indicate corresponding parts.

In the accompanying drawings, A is a base or block, preferably having a hollow interior space, and conveniently made of wood, papier maché, or similar material, and upon which is mounted a smaller block, B, likewise of any preferred material, and of such form and proportions, and preferably so colored, as to present the external appearance of an electro-magnet. The block B embodies a central longitudinal bore, in which is seated and adapted for longitudinal reciprocation an operating bar *b* provided with an operating knob *b*^x.

C is a tube leading from the end of the block B, with the bore of which it is in registry, to the hollow interior of the base A.

D D are small cylinders, conveniently formed of tin or similar sheet metal, and provided each with one or a series of perforations *d* through its side wall.

The cylinders D, which bear a general resemblance to, and are hereinafter termed, electrodes, are respectively mounted upon the free extremities of, and supported by, tubes E, E, conveniently formed of rubber, the inner ends of which tubes pass through suitable apertures into the hollow interior of the base A.

As the cylinders or electrodes D are similar in construction, a description of one will suffice for both.

Referring to Fig. 2, *d*² is a spring tongue within the electrode therein depicted, one end of which spring tongue is secured to the side wall thereof, and the body of which normally occupies the position shown in dotted lines in said figure.

F is a pin, the head or inner end of which

is provided with an eye *f*, which eye encircles or is seated upon the free extremity of the spring tongue. The body of the pin extends through, and is adapted for longitudinal movement with respect to, suitable guide openings formed for it in two guide plates *d*³ *d*⁴ supported within the cylinder D, and, the guide openings being in line or registry with one of the openings *d* in the wall of the cylinder, it will be understood that when the spring tongue is depressed it will cause the pin to project through said opening in the cylinder for a distance governed by the extent of its own movement.

H is a cord or flexible connection secured to the eye *f* of the pin F, or to the spring tongue *d*, and extending, first, down through an opening in the upper guide plate *d*³, then through the tube E to the interior of the base A, then up through the tube C to the interior of the block B, where it is, together with the corresponding spring leading from the other electrode or cylinder, attached to the operating bar *b* seated as explained within the bore of the block B.

I is an imitation electric switch mounted upon the front portion of the base A, but performing no part in the operation of the device.

As will be apparent from a consideration of the construction illustrated and described, the device represents or has the appearance of being an electrical apparatus. It is designed to be employed as a toy or trick to impart a pretended electric shock to a person in whose hands the cylinders or electrodes are held.

The operation is as follows: A person who is to receive the pretended electric shock takes the electrodes in his or her hands, and, thereupon, the operator, by drawing the operating bar *b* outward, exerts traction upon the flexible connections H, thereby occasioning through said flexible connections, the depression of the spring tongues *d*² within the electrodes D D, and the projection of the pins out through the openings *d* in the walls of said electrodes. The points of the pins, in such projection, come into contact with the hands of the person holding the electrodes, such contact constituting the imitation electric shock hereinbefore referred to. Upon

the forcing inward of the bar *b*, a corresponding loosening or slacking of the flexible connections *H* of course takes place, which loosening allows the spring tongues to spring
 5 back to their normal positions and carry the pins again into the interior of the electrodes or cylinders.

It will be understood that any desired number of pins may be mounted upon the spring
 10 tongues.

Having thus described my invention, I claim—

1. A toy or trick device, consisting of a base block, a cylinder or electrode embodying an opening in its wall, a support by which
 15 said cylinder is connected to said base block, a spring-controlled pin mounted within said electrode, a flexible connection extending from said pin to the base block, and an operating device to which the inner end of said
 20 flexible connection is secured, substantially as set forth.

2. As an article of manufacture, a toy or trick device, consisting of a base block, a pair
 25 of cylinders or electrodes each of which embodies an aperture, tubes connecting said electrodes to said base block, pins mounted in said electrodes, springs which tend to maintain said pins within said electrodes, flexible
 30 connections leading from said pins to the base block, and an operating bar to which the inner extremities of said flexible connections are attached, substantially as set forth.

3. As an article of manufacture, a base
 35 block, a cylinder or electrode embodying an opening, a tube leading from said electrode to said base block, a spring tongue, secured in place within said electrode, a pin mounted upon said spring tongue and adapted to be
 40 projected through the opening in the electrode, a flexible connection leading from said pin through the tube to the base block, and

an operating bar to which the inner extremity of said connection is attached, substantially
 45 as set forth.

4. As an article of manufacture, a base block, a cylinder or electrode embodying an opening, a tube leading from said electrode to said base-block, a spring tongue secured
 50 in place within said electrode, a pin mounted upon said spring tongue and adapted to be projected through the opening in the electrode, a guide through which said pin extends, a flexible connection leading from said
 55 pin through the tube to the base-block, and an operating bar, substantially as set forth.

5. As an article of manufacture, a base-block, a block *B*, in the form of an electromagnet mounted upon said base-block, and having a hollow interior in which is seated
 60 an operating bar, a cylinder or electrode embodying an opening, a tube leading from said electrode to said base-block, a spring-controlled pin mounted in said electrode and adapted to be projected through an opening
 65 in the electrode wall, and a flexible connection leading from said pin through the tube and through the base-block *B*, the inner end of which flexible connection is secured to an
 70 operating bar, substantially as set forth.

6. In combination, the block *A*, the block *B* provided with an operating bar, the tubes *E E*, the electrodes *D D* embodying apertures, the springs *d²*, the pins *F*, the guides *d³ d⁴*, and
 75 the flexible connections *H*, the whole being combined and arranged, substantially as set forth.

In testimony that I claim the foregoing as my invention I have hereunto signed my name this 21st day of October, A. D. 1893.

ALBERT D. MOUNTAIN.

In presence of—

J. BONSALE TAYLOR,
 F. NORMAN DIXON.