No. 812,651. PATENTED FEB. 13, 1906.

R. H. HARTLEY.

TOY OR DISPLAY DEVICE.

APPLICATION FILED JAN. 21, 1905.

Fig. 3.

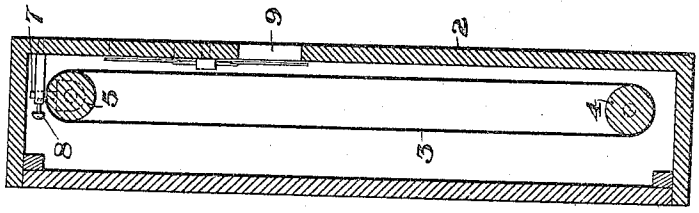


Fig. 2.

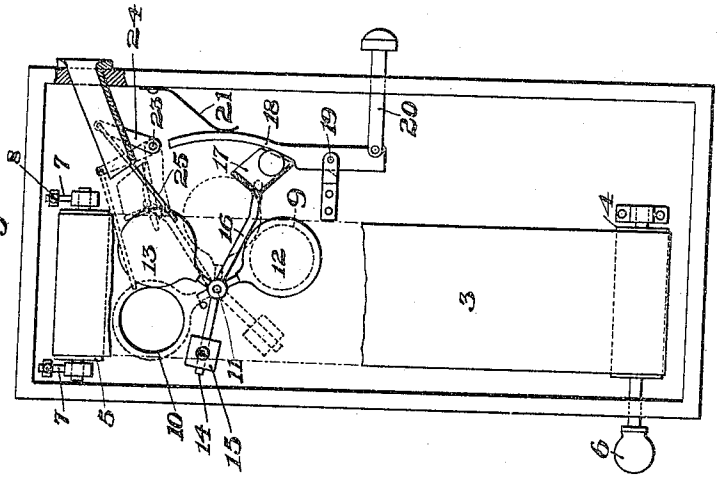
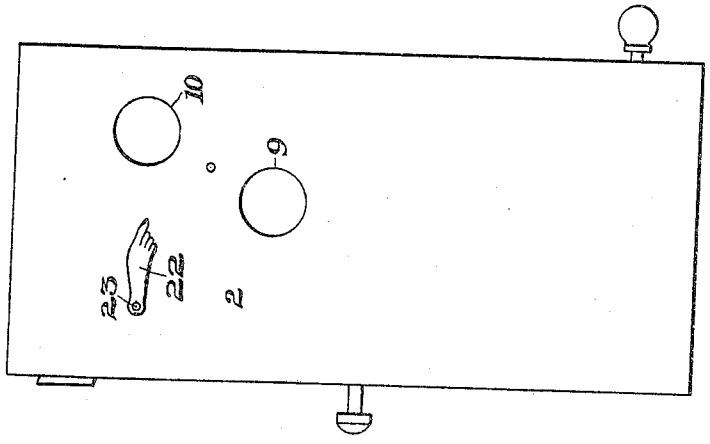


Fig. 1.



WITNESSES

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ROBERT H. HARTLEY, OF PITTSBURG, PENNSYLVANIA.

TOY OR DISPLAY DEVICE.

No. 812,651. Specification of Letters Patent. Patented Feb. 13, 1906.

Application filed January 21, 1905. Serial No. 242,090.

To all whom it may concern:

Be it known that I, ROBERT H. HARTLEY, of Pittsburg, Allegheny county, Pennsylvania, have invented a new and useful Toy or Display Device, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a front elevation of my improved apparatus. Fig. 2 is a rear elevation, partly broken away; and Fig. 3 is a vertical cross-section.

My invention is designed to provide an illusion device in which questions may be brought to a registering opening and answers may then be displayed at another opening by dropping a penny or weight in a slot in the device.

In the drawings, 2 represents a box-like casing in which an endless web of paper or suitable material 3 is carried upon rollers 4 and 5. The rollers are mounted in suitable bearings within the casing, and the shaft of the lower roller projects through the casing and is provided with a turning-knob 6. The bearings of one of the rollers are preferably adjustable, and I have shown the upper roller as having bearings which are adjusted by rods 7 and set-screw 8 to adjust the tension of the paper or flexible material.

In the front plate or cover of the box are provided two holes 9 and 10, one of which is arranged to register with a series of questions printed on the paper and the other with a series of answers, also printed on the paper, out of alinement with the questions. The questions and answers are so arranged that when any question is brought to its opening the appropriate answer will register with the other opening.

On a stub-shaft 11, mounted in the casing, are loosely mounted two shutters 12 and 13, which are arranged at such an angle that when one is in position for closing one opening the other will be in opening position relative to its opening. From the collar extends a rod 14, carrying an adjustable counterweight 15, and another arm 16, projecting from this collar, carries a coin-receiver 17. The weight 15 is so arranged that it will hold the parts in the position shown in dotted lines in Fig. 2, but when a penny or weight is inserted through a front slot the weight of the coin will cause the sleeve to rotate on the shaft and bring the parts to the position shown in full lines in Fig. 2. This full-line position is the normal position of the parts after it has been in operation. In this position the coin is normally held in the receiver by a spring-pressed holder 18, pivoted at 19 and having a handle 20 projecting through the casing and pivoted to its lower end. This lever is normally pressed forward by spring 21.

The operation is as follows: On approaching the machine the operator pushes the link 20, which draws back the upper part of the lever 18 and allows the coin previously lying in the holder to drop into a suitable receptacle. The parts then being freed from the weight of the coin, the weight 15 will turn the shutters to close the answer-opening and open the question-opening. The operator then turns the roll of paper to bring any desired question to the question-aperture. He then drops in a coin, which will tilt the shutters and open the answer-opening, giving him the appropriate answer for such question.

It will be noted that there is no lock of any character in the machine which is freed by a coin, the roll of paper or flexible material being free to be moved and the coin operated simply to overcome the weight and turn the shutter device.

In addition to the parts above described, I prefer to employ a pointer or hand 22 at the front of the machine, which is pivoted on a rock-shaft 23, having a lever 24 connected by link 25 with one of the shutters. The hand is so arranged that when the parts are in the position shown in full lines the hand will point to the question-opening and when the parts are shown in dotted lines it will point to the answer-opening.

The advantages of my invention result from the simplicity of the device and its attractiveness as an amusement apparatus.

I claim—

1. An amusement device, comprising a casing having a question-opening and an answer-opening, a shutter closing at least one of said openings, a coin-receiver connected to the shutter device and arranged to tilt it to a lower position when the coin is inserted, and means coöperating with the receiver in its lower position to hold the coin; substantially as described.

2. An amusement device comprising a casing for a question-opening and an answer-opening, a web of flexible material having

suitable questions and answers thereon arranged to register with said openings, a shutter device arranged to alternately open said apertures, means for holding the shutter device in one position, and means for tilting it in another position when a coin or weight is inserted; substantially as described.

3. In an amusement device a casing for question and answer openings, a pair of shutters arranged to alternately close said openings, a weight arranged to normally hold the shutters in one position, and a coin or weight receiver arranged to tilt the shutters to another position when the coin or weight is inserted; substantially as described.

4. In an amusement device a casing for question and answer openings, a pair of shutters arranged to alternately close said openings, a weight arranged to normally hold the shutters in one position, a coin or weight receiver arranged to tilt the shutters to a lower position when the coin or weight is inserted, and a hand-operated device arranged to coact with the receiver when in lower tilted position to hold the coin; substantially as described.

5. An amusement device comprising a casing having question and answer openings, means for alternately opening and closing said openings, and a pointer or hand device arranged to automatically tilt toward the opening which is opened; substantially as described.

6. An amusement device comprising a casing having question and answer openings, a tilting shutter device having doors arranged to close said apertures alternately, a weight or its equivalent arranged to normally hold the shutter device in one position, and a coin-receiver connected to the shutter device and arranged to tilt it when the coin or weight is inserted.

7. An amusement device comprising a casing having question and answer openings, a tilting shutter device having doors arranged to close one aperture when the other is open, a weight or its equivalent arranged to normally hold the shutter device in one position, a coin-receiver connected to the shutter device and arranged to tilt it to a lower position when the coin or weight is inserted, and a yieldingly-pressed hand-operated holder arranged to coöperate with the coin-receiver for retaining the coin in its lower position; substantially as described.

In testimony whereof I have hereunto set my hand.

ROBERT H. HARTLEY.

Witnesses:
C. P. BYRNES,
H. M. CORWIN.