S. C. NAGLE.

AMUSEMENT DEVICE.

APPLICATION FILED JUNE 3, 1921.

1,437,261. Patented Nov. 28, 1922.

2 SHEETS—SHEET 1.

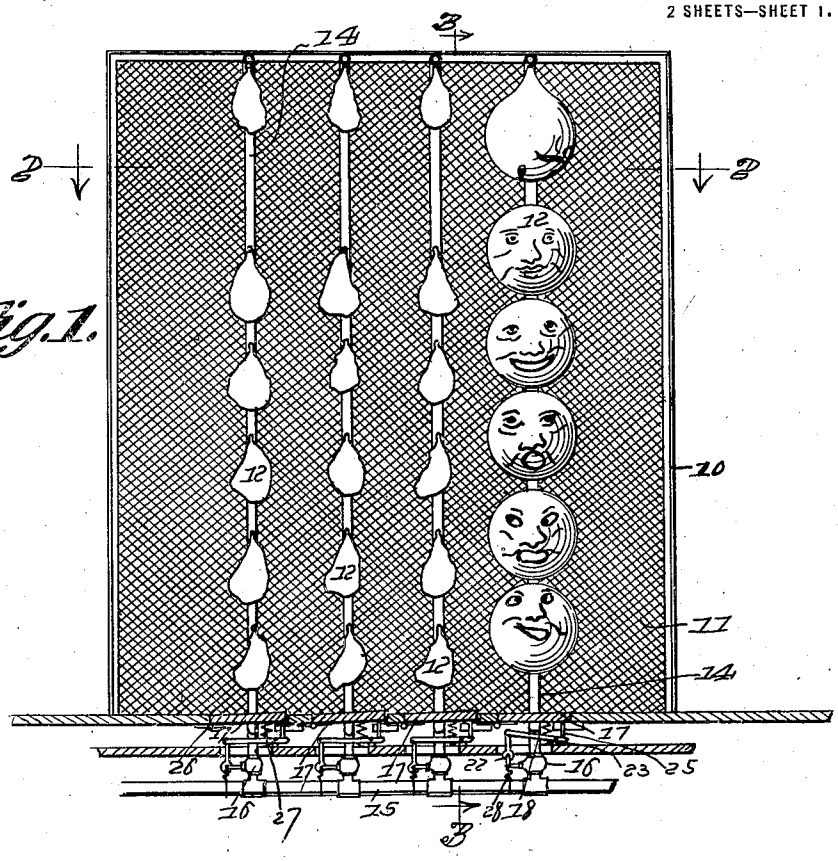


Fig. 1.

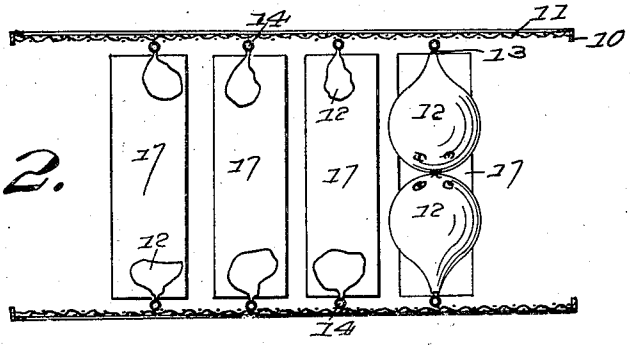


Fig. 2.

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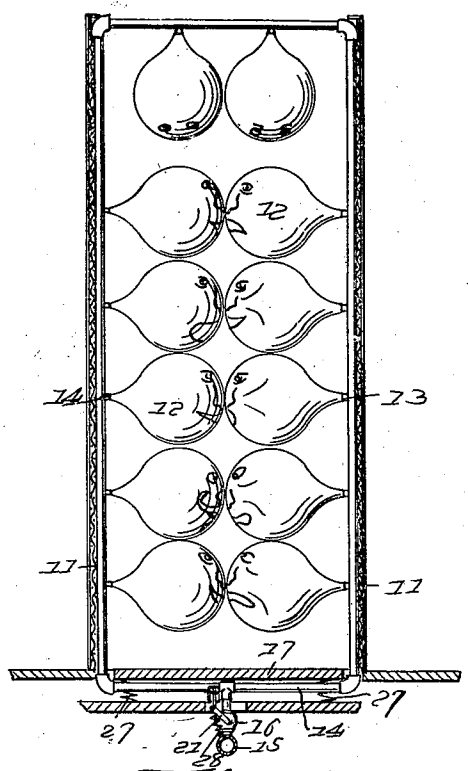


Fig. 3.

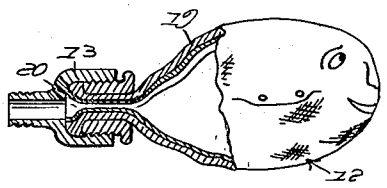
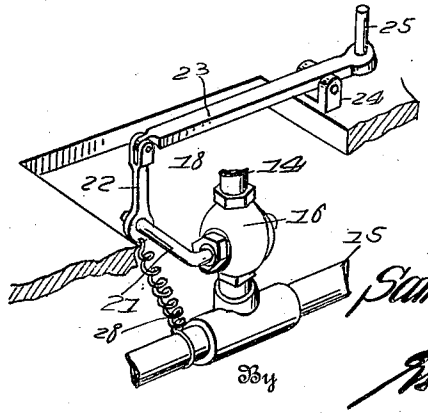


Fig. 4.

Fig. 5.



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UNITED STATES PATENT OFFICE.

SAMUEL CLARK NAGLE, OF LONDON, ENGLAND.

AMUSEMENT DEVICE.

Application filed June 3, 1921. Serial No. 474,835.

To all whom it may concern:

Be it known that SAMUEL CLARK NAGLE, a citizen of the United States of America, residing at London, England, has invented new and useful Improvements in Amusement Devices, of which the following is a specification.

The object of the invention is to provide an amusement device of cabinet form designed as a means of furnishing entertainment by surprising the operator or victim through the unexpected projection or advancement of objects of which the origin or presence is unsuspected; and with this object in view the invention consists in a construction and combination of parts of which a preferred embodiment is shown in the accompanying drawings, wherein:

Figure 1 is a longitudinal sectional view of an apparatus embodying the invention.

Figure 2 is a transverse sectional view of the same, on the line 2—2 of Figure 1.

Figure 3 is a horizontal sectional view on the plane indicated by the line 2—2 of Figure 1.

Figure 4 is a detail view of one of the bladder or balloon mountings.

Figure 5 is a detail view of an element of the valve mechanism for controlling the inflation of the bladders or balloons.

The device consists essentially of a cabinet 10 consisting of side and top walls of which the former are preferably provided with fillers of screen wire as indicated at 11, said cabinet being open ended and designed to form a passage way through which the operator or victim is to pass in the operation of the device.

Located in suitable relations in the cabinet, on the top wall thereof and at the side walls are columns or series of inflatable objects such as bladders or balloons 12 connected with nozzles 13 which are in communication by means of suitable tubes 14 with a supply pipe or main 15 containing air under pressure led from any suitable source of supply (not shown), the passage of air from the supply pipe or main to the distributing tubes 14 being controlled by valve mechanisms including the valves 16, treadles 17 and suitable connections indicated at 18, so that as the operator or victim advances through the cabinet, entering at one end thereof on the way to the other end, and successively steps upon the treadles, the valves are opened to permit of the passage of air from the supply pipe or main to the several distributing pipes, successively to inflate the series of bladders or balloons and thus cause the inward projection thereof toward the operator or victim in a way to give surprise or innocent alarm. The bladders or balloons, made of any suitable elastic or flexible material, are preferably provided with jackets or covers 19 of canvas or like material upon which, as indicated may be painted, printed or otherwise represented the faces of goblins or the like which being directed inwardly are caused to approach the operator from opposite sides and thus add to the sensation of surprise or alarm. As the operator successively moves from one treadle to another, thus removing pressure from the preceding treadle as he steps upon the succeeding treadle it is designed to provide for the deflation of the objects and to this end bleed ports 20 may be provided in the nozzles 13, or other equivalent means may be substituted as preferred.

In the construction illustrated the operating connection between each treadle and the valve controlled thereby consists of a crank arm 21 connected by a link 22 with a lever 23 fulcrumed as at 24 and having a bearing pin 25 arranged in the path of downward movement of the corresponding treadle which may be hinged as indicated at 26. Springs 27 serve to yieldingly hold the treadles in their normal positions and springs 28 may be employed to yieldingly hold the crank arms in position to maintain the valves in closed position.

It will be obvious that the passage way afforded by the cabinet may be made of any desired length with inflatable objects suspended as indicated from the top thereof for downward extension for contact with the head of the operator or victim and the columns of inflatable objects may be arranged at relatively short intervals so that they are operated progressively as the operator proceeds through the length of the passage way toward the outlet.

Having described the invention, what is claimed as new and useful is:—

1. An amusement device having an open ended cabinet forming the passage way for directing the progressive movement of an operator or victim, successive columns of inflatable objects in a normally deflated condition arranged adjacent to the walls of the cabinet for inward projection in obstructed

relation with the passage way as they are inflated, means for supplying air under pressure to said inflatable objects, and controlling means for successively admitting air from the source to the inflatable objects as the operator progresses through the passage way.

2. An amusement device having an open ended cabinet forming the passage way for directing the progressive movement of an operator or victim, successive columns of inflatable objects in a normally deflated condition arranged adjacent to the walls of the cabinet for inward projection in obstructed relation with the passage way as they are inflated, means for supplying air under pressure to said inflatable objects, and controlling means for successively admitting air from the source to the inflatable objects as the operator progresses through the passage way, said last-named means including treadles for foot pressure by the operator.

3. An amusement device having an open ended cabinet forming the passage way for directing the progressive movement of an operator or victim, successive columns of inflatable objects in a normally deflated condition arranged adjacent to the walls of the cabinet for inward projection in obstructed relation with the passage way as they are inflated, means for supplying air under pressure to said inflatable objects, and controlling means for successively admitting air from the source to the inflatable objects as the operator progresses through the passage way, said inflatable objects consisting of bladders or balloons interiorly accessible to pressure from the source of supply.

4. An amusement device having an open ended cabinet forming the passage way for directing the progressive movement of an operator or victim, successive columns of inflatable objects in a normally deflated condition arranged adjacent to the walls of the cabinet for inward projection in obstructed relation with the passage way as they are inflated, means for supplying air under pressure to said inflatable objects, and controlling means for successively admitting air from the source to the inflatable objects as the operator progresses through the passage way, said inflatable objects consisting of bladders or balloons having restraining covers carrying objects of grotesque appearance.

5. An amusement device having an open ended cabinet forming the passage way for directing the progressive movement of an operator or victim, successive columns of inflatable objects in a normally deflated condition arranged adjacent to the walls of the cabinet for inward projection in obstructed relation with the passage way as they are inflated, means for supplying air under pressure to said inflatable objects, and controlling means for successively admitting air from the source to the inflatable objects as the operator progresses through the passage way, the inflatable objects being arranged in columns respectively connected with the source of supply by distributing tubes controlled by independent valve mechanisms.

6. An amusement device having an open ended cabinet of which the walls are constructed to admit a modified or subdued light, successive series or columns of inflatable objects in a normally deflated condition disposed adjacent to the walls of the cabinet and adapted for inward projection in opposite directions upon inflation, distributing tubes respectively in communication with the inflatable objects of the several series or columns, a supply pipe for air under pressure and valved connections between the distributing tubes and the supply pipe and including valve opening means having depressible treadles arranged at the floor level of the cabinet for successive depression by an operator or victim advancing through the same.

7. An amusement device having an open ended cabinet of which the walls are constructed to admit a modified or subdued light, successive series or columns of inflatable objects in a normally deflated condition disposed adjacent to the walls of the cabinet and adapted for inward projection in opposite directions upon inflation, distributing tubes respectively in communication with the inflatable objects of the several series or columns, a supply pipe for air under pressure and valved connections between the distributing tubes and the supply pipe and including valve opening means having depressible treadles arranged at the floor level of the cabinet for successive depression by an operator or victim advancing through the same, means being provided for successively deflating the objects as pressure is removed from the treadles.

In testimony whereof he affixes his signature.

SAMUEL CLARK NAGLE.