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T. C. JENSEN

RACING GAME VALVE

Filed Aug. 1, 1927

Fig. 1.

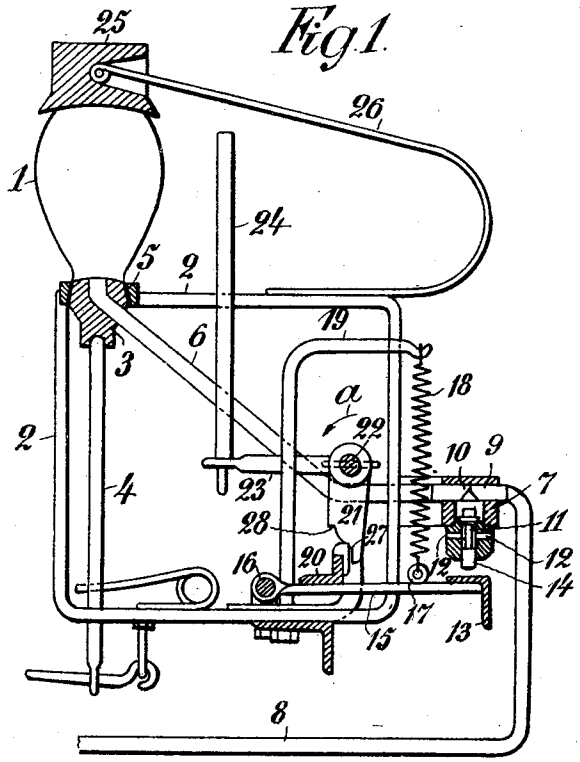
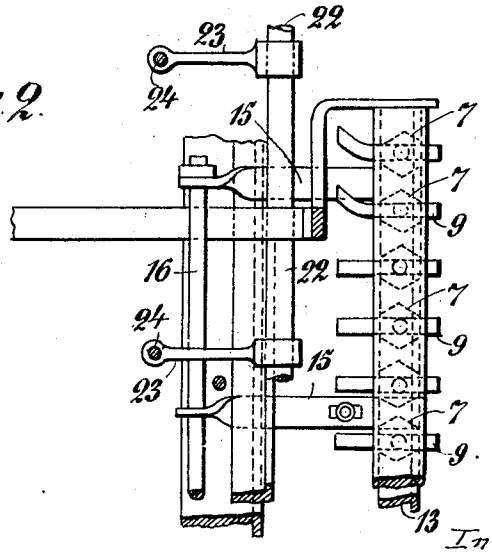


Fig. 2.



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RACING GAME VALVE.

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It is known to employ betting games consisting of a plurality of inflatable rubber dolls which are arranged alongside of each other, each doll being in communication with a rotatable pump or a valve to a container of compressed air, which when turned will allow air to enter into the doll. The game consists in several persons each simultaneously inflating his doll by turning a pump or valve so that the one whose doll explodes first wins the game.

With such games it is necessary that the air escapes from all other dolls in the same moment the first of them explodes. If this is not the case it could easily happen that two or more dolls explode, either simultaneously or shortly after each other so that doubts could arise as to who had won the game.

The present invention relates to an arrangement for such games by which it is provided that the air escapes from all other dolls as soon as the first of them explodes.

In the accompanying drawing a constructional form of such arrangement according to the present invention is exemplified.

Fig. 1 shows the arrangement in side elevation, in connection with an inflated doll.

Fig. 2 shows the arrangement by itself, seen from above.

The game consists of a plurality of inflatable dolls 1 which are arranged behind each other on a base 2, the dolls 1 being fixed in sockets 3 which can in known manner be drawn down by rods 4 so as to render them accessible for fitting the dolls whereupon these are lifted up tightly against a ring 5 so that they will be hermetically tight on the sockets 3. Flexible tubes 6 lead to the said sockets 3, which tubes are in communication with valves 7 which shall hereinafter be described in a more detailed manner. Air is conducted to these valves 7 through pipes 8 which communicate with the pumps or valves operated by the persons joining in the game (these pumps or valves are not shown as they shall not be included in the present invention). To the valves 7 are fitted short pipes 9 the one ends of which are connected to the pipes 8 and the other ends are connected to flexible tubes 6. The pipes 9 have besides holes 10 which lead into the valve casings 7 in which the valve bodies 11 are disposed which when opened will put the valve casings 7 and with them the pipes 9 into communication with the atmosphere through the openings 12.

Beneath the row of valves 7 is arranged a rail 13 which on its being lifted will abut against the lower end of the valve bodies 11 and thereby open the valves 7.

The rail 13 is held by pivoted arms 15 pivoting on a shaft 16 which itself is journalled in the base 2. The arms 15 have eyes 17 for springs 18 the other ends of which are engaged on standards 19 on the base 2. The springs 18 tend to lift the arms 5 and with them the rail 13. On the arms 15 is furthermore fitted an abutment rail 20 engaging with a notched cam 21 on a shaft 22 journalled in the base. The shaft 22 carries arms 23 each of which supports a vertical stem 24 which is guided in the base 2.

On the heads of the dolls, hats 25 rest, which by means of springs 26 attached to the base 2 tend to press downwards. When these springs 26 move downwards they will strike against the stems 24.

The notched cam 21 has two notches 27 and 28 of which notch 27 holds the abutment rail down, so that the rail 13 clears the valves 11 while the rail 20 engaging the notch 28 is lifted so much that at this position the rail 13 will open the valves 11.

The arrangement operates in the following manner:

As the dolls are gradually more and more inflated the hats 25 will be lifted putting the springs 26 more and more under tension.

As soon as one of the dolls explodes its corresponding spring 26 will suddenly strike downwards and against the stem 24. This stem will force the arm 23 round in the direction of the arrow *a*, so that the cam 21 will be moved away from the abutment rail 20. Thereby the arms 15 become free and are by the springs 18 quickly drawn upwards so that the rail 13 strikes against all valves 11 which are thereby opened so that the air can escape through the holes 12 from the not yet exploded dolls.

This whole process proceeds with great rapidity so that no other dolls except the first will find time to be exploded.

What I claim as new is:

1. In a game with a series of inflatable dolls, a rail, above this rail a series of valves, adapted to be opened when said rail is lifted, said rail fitted on arms held down by a cam rail on a shaft operatable under action of the

exploding of a doll, springs adapted to lift said arms, on the said cam being turned.

2. In a game with a series of inflatable dolls, a rail, above said rail a series of valves, adapted to be opened when said rail is lifted, said rail fitted on arms held down by a cam rail on a shaft operatable under action of the exploding of a doll, springs adapted to lift said arms, on said cam being turned, arms on the shaft of said cam rail, on these arms stems in the path of springs which will be put under tension by the inflation of the dolls and released downwards against said stems on a doll be exploded.

In testimony whereof I affix my signature.

THOMAS CHRISTIAN JENSEN.