March 6, 1928. 1,661,329

E. F. GALE

GAME DEVICE

Filed Feb. 16, 1927

Fig. 1.

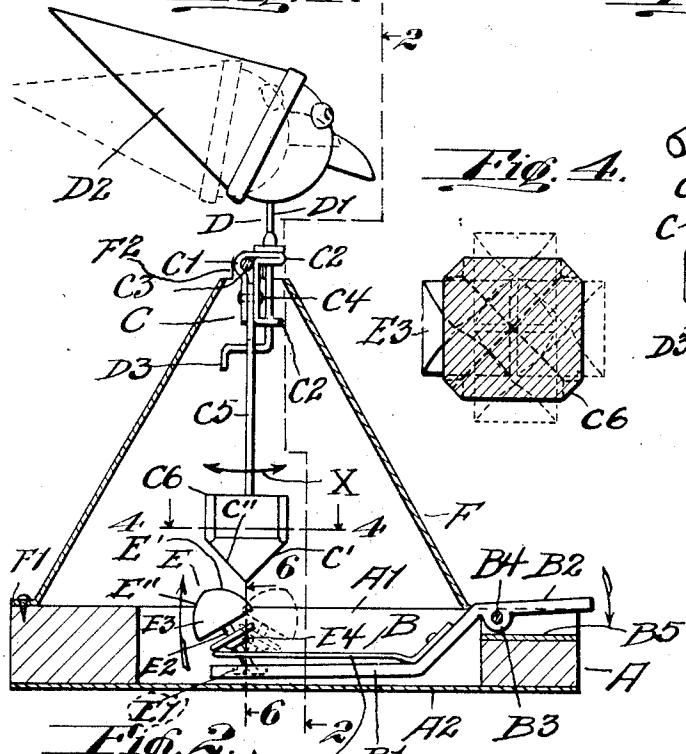


Fig. 2.

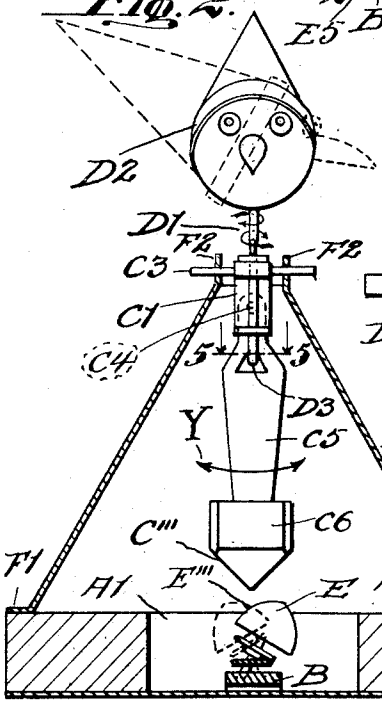


Fig. 4.

Fig. 5.

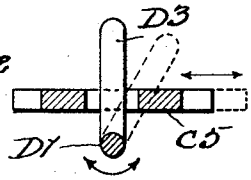


Fig. 6.

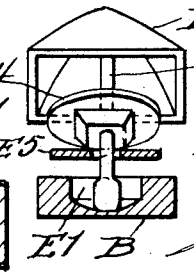
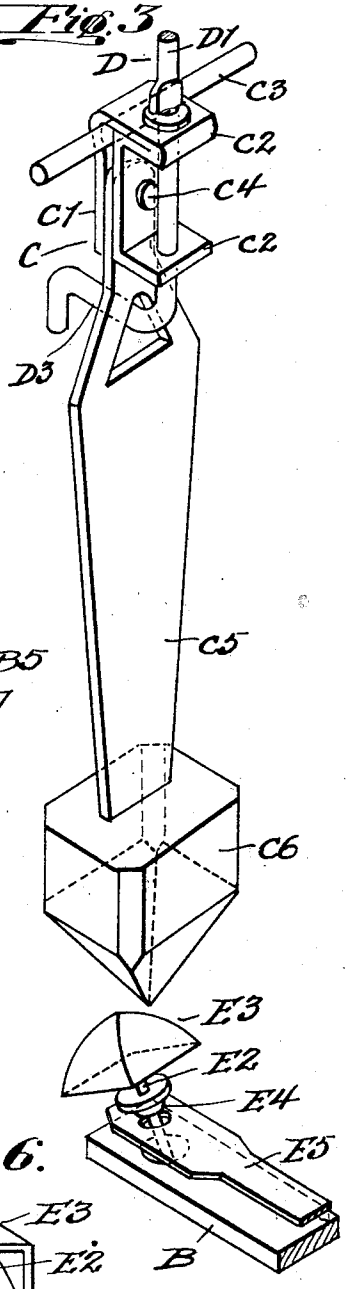


Fig. 3



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UNITED STATES PATENT OFFICE.

EARL F. GALE, OF LOS ANGELES, CALIFORNIA.

GAME DEVICE.

Application filed February 16, 1927. Serial No. 168,741.

This invention relates to improvements in game devices and more particularly to an amusement device, employable in answering questions, as in fortune telling, wherein a variable direction motion translator and a manually operated initiator having a fixed path of motion, will impart, without selectivity, either a rocking or rotating motion to an index device, or head.

Among the objects of my invention is to provide a game device comprising a head, or index, a motion initiator, having a defined path of movement and means for translating the definite movement of the initiator to an indefinite movement of the head or index whereby upon a manipulation of the initiator the head, or index, will be rocked forwardly and rearwardly (for positive or "yes") or, reciprocated in a rotary direction (for negative or "no").

My improvements consist in the novel construction, arrangement and combination of parts, as hereinafter fully, clearly and concisely described, definitely pointed out in my claims, and illustrated by the accompanying drawing (1 sheet) in which—

Fig. 1, is a vertical sectional elevation showing the side of the head, or index member.

Fig. 2, is a sectional elevation taken on the line 2—2 of Fig. 1, showing the front of the head, or index member.

Fig. 3, is a perspective view, on an enlarged scale, showing a fragment of the motion initiator and the motion translator.

Fig. 4, is a sectional plan view taken on the line 4—4 of Fig. 1, illustrating the various positioning of a pyramidal element of the motion initiator with an inverted pyramidal-shaped pendulum-bob of the motion translator.

Fig. 5, is a sectional plan view taken on the line 5—5 of Fig. 2, showing the means for converting a lateral pendulous motion of the pendulum-bob to a rotary movement of the index element.

Fig. 6, is a sectional elevation taken on the line 6—6 of Fig. 1, showing the manner and means of mounting the pyramidal element of initiator with relation to the manipulative element thereof.

Referring more specifically to the drawing, the letter A designates, generally the base of the device; B designates, generally, the initiator; C the translator; D the index; E the variable motion-selector for the translator, and F the skirt, or casing-support for the translator and index.

The base A is constructed, preferably as a unit, and of wood, and comprises a cavity A^1, to accommodate the initiator B, and a closure A^2, for the cavity, such as a piece of felt.

The initiator B consists of a lever B^1, having a handle B^2 and a fulcrum B^3, which fulcrum is carried on a pintle B^4 supported on a metallic leaf B^5 secured to the base A.

The translator C comprises a bracket C^1, having bearings C^2 for the support of the index D; an arbor C^3 forming a rocking support for the bracket; a pivot C^4 for the suspension of the pendulum stem C^5 and a pendulum-bob C^6 which is of substantially inverted pyramid shape.

The index D consists of a stem D^1 mounted for support and rotation in the bearings C^2 and carries, by preference, at its top a head D^2, such as is shown, and at its bottom a crank D^3.

The variable motion-selector E consists of a socket E^1 formed in the upper face of, and at the inner end of, the lever B^1 of the initiator, in which the foot-end of a stem E^2 is loosely received and supported; a pyramidal head E^3 carried at the top of the stem; facet bearing disc E^4 secured to the stem between the foot and head and a leaf spring E^5 secured to the lever B^1 and spaced therefrom at a point over the recited socket E^1.

The skirt, or casing F consists of a coniform of sheet metal, for surmounting the base over the cavity A^1 and is secured thereto as by the foot-flanges F^1 and which is open at its top for the extension therethrough of the index C and is provided with bearings F^2 for the arbor, or rock-shaft C^3 of the translator.

In operation, assuming the facet bearing disc E^4 to have positioned the variable motion selector E as shown in Fig. 1 and as shown by solid lines in Fig. 4 it will be obvious that upon a depression of the manipulative end B^2 of the initiator B, the motion-selector E will be elevated bringing its face E′ to engage the face C′ of the pendulum-bob C^6 thereby imparting a forward and rearward rocking upon the arbor C^3, (as indicated by the arrow X in Fig. 1) of the translator as a whole, and a consequent forward, and rearward rocking motion (positive or yes) of the index D and its head D^2.

Should, by chance, the motion selector E, by reason of the action of the disc E^4, fall to the position as indicated by dotted lines in Figs. 1 and 4 as by action of another of its facets, a manipulation of the initiator will cause the face E'' of the motion-selector to engage the face C'' of the pendulum and effect a similar movement of the translator and index.

In the event, the motion-selector should occupy the position shown in solid lines in Fig. 2, a position 180° removed from the position shown in Fig. 1 the face E''' will engage the face C''' of the pendulum-bob and cause it to swing, pendulously on the pivot C^4 in the direction of the arrow Y of Fig. 2 and through the crank D^3 effect a rotary reciprocation of the index and head (for negative or "no").

This same motion of the pendulum-bob, index and head will be effected should the motion-selector be held in the position shown by dotted lines in Fig. 2.

It is obvious therefore, that by reason of the uncontrollable positioning of the motion selector, the head will be nodded or turned, or moved in directions indicating "yes" or "no", without definition, or order, upon a manipulation of the initiator.

I claim:

1. A game device comprising a rockable bracket, an index rotatably carried by and rockable with the bracket, a stem pendulously secured to the bracket, a faceted pendulum-bob, a faceted operative element, and means affording a relatively loose connection between the faceted element and a manipulative element.

2. A game device comprising an index, a rockable support therefor, a stem having pivotal connection with said support whereby it may have pendulous motion in the direction of the rocking of said support or in a direction at an angle to said movement means for converting the last named movement to a rotary movement of the index, a faceted bob carried by said stem, a faceted motion selector, a manipulative motion initiator having a fixed path of movement, and a loose connection between said initiator and selector whereby to effect variable and non-selective positioning of the motion selector.

3. In a game device of the class described, a pendulum, means for suspending the pendulum to swing either forwardly and rearwardly or laterally, an index device rotatably carried by said suspension means and to swing forwardly and rearwardly therewith, means for converting the lateral swinging movements of the pendulum to rotary-reciprocating movements of the index, a manipulative initiator having definite motion and an indefinite motion selector operable by the initiator for imparting either a forward and rearward swinging motion or a laterally swinging motion to the pendulum.

4. An index device comprising a rockable bracket, an index rotatably carried by and rockable with said bracket, a pendulous member secured to said bracket, and means, to initiate an oscillatory movement to said pendulous member, said means being of a variable and non-selective character.

In testimony whereof, I have affixed my signature.

EARL F. GALE.