Sept. 27, 1938. E. N. ROSE 2,131,332

GAME

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Fig. 1.

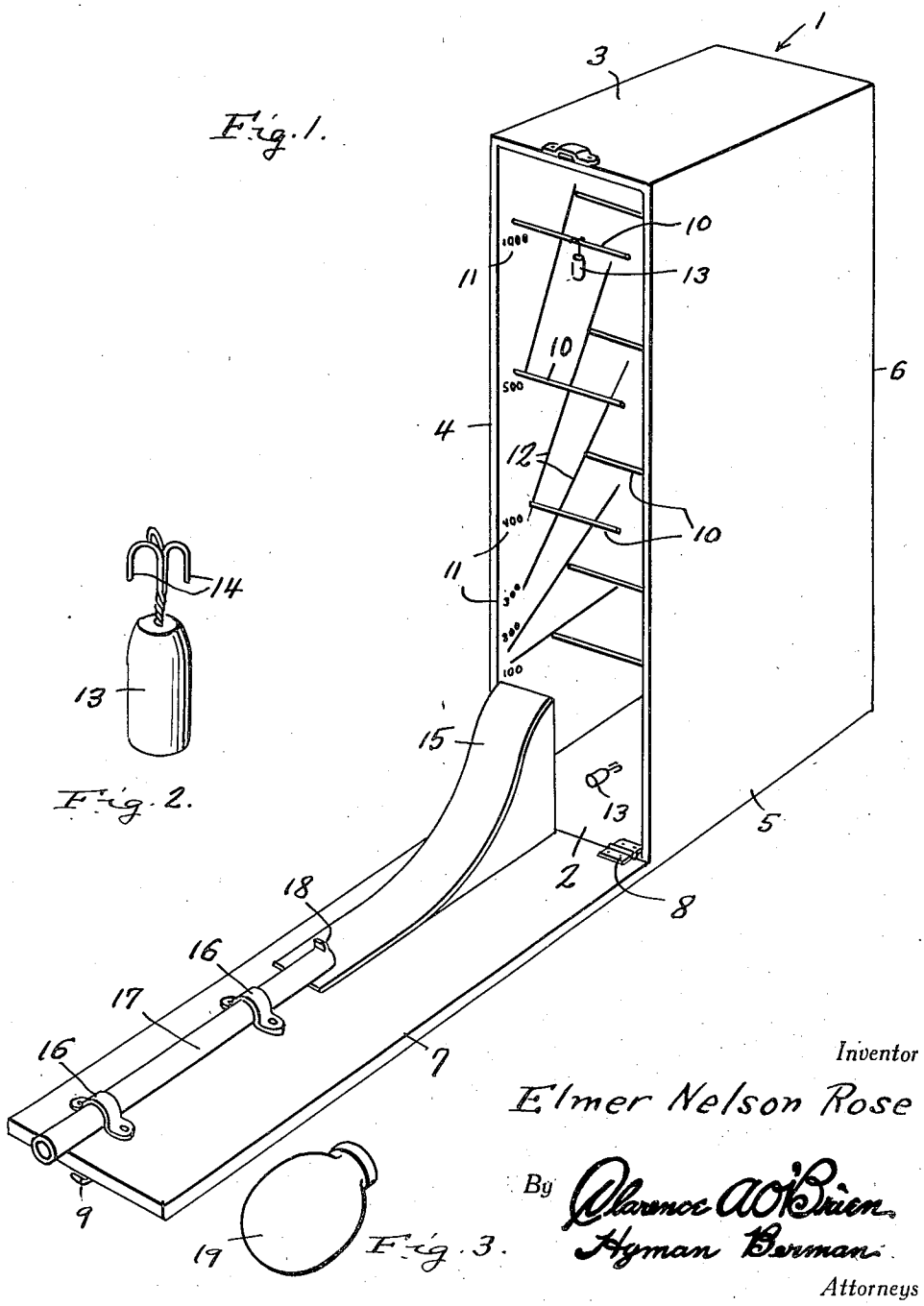


Fig. 2.

Fig. 3.

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Fig. 5.

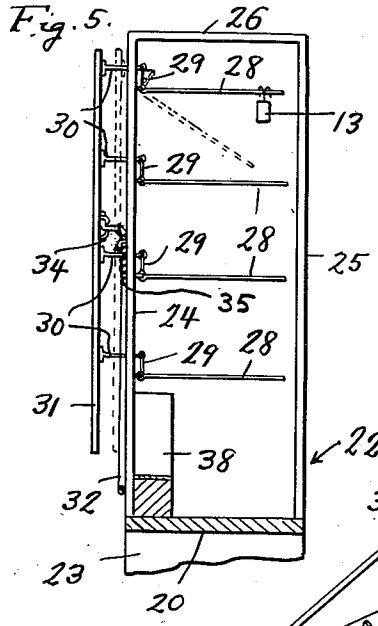


Fig. 4

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GAME

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Application February 11, 1938, Serial No. 190,093

3 Claims. (Cl. 273—95)

The present invention relates to new and useful improvements in games and has for its primary object to provide, in a manner as hereinafter set forth, a device of this character which will be highly amusing and entertaining and the successful playing of which requires a combination of skill and luck.

Another very important object of the invention is to provide, in a game apparatus of the type comprising a plurality of scoring arms and projectiles adapted to be suspended therefrom, novel means for propelling or shooting the projectiles to said scoring arms.

Still another very important object of the invention is to provide a game device of the character described embodying novel means for removing the projectiles from the scoring arms.

Other objects of the invention are to provide a game apparatus of the class described which will be comparatively simple in construction, strong, durable, compact, attractive in appearance and which may be manufactured at low cost.

All of the foregoing and still further objects and advantages of the invention will become apparent from a study of the following specification, taken in connection with the accompanying drawings wherein like characters of reference designate corresponding parts through the several views, and wherein:

Figure 1 is a perspective view of an embodiment of the invention.

Figure 2 is a detail view in perspective of one of the projectiles.

Figure 3 is a detail view in perspective of the detachable compression bulb which propells the projectiles.

Figure 4 is a perspective view of another form of the invention.

Figure 5 is a cross sectional view through a portion of the modification, taken substantially on the line 5—5 of Fig. 4.

Referring now to the drawings in detail, and to Figs. 1, 2 and 3 thereof in particular, it will be seen that the reference numeral 1 designates generally a cabinet of suitable dimensions and material, said cabinet being open at its front and including a bottom 2, a top 3, sides 4 and 5 and a back 6. A closure 7 is provided for the front of the cabinet 1, said closure being hingedly connected, as at 8, at its lower end to the bottom 2. The construction and arrangement is such that the closure 7 is adapted to swing downwardly to a horizontal position. A suitable latch 9 is provided for releasably securing the closure 7 in closed position.

Fixed on the side wall 4 and projecting transversely therefrom to a point in spaced relation to the side wall 5 of the cabinet 1 is a plurality of scoring arms or the like 10. The scoring arms 10 are preferably of suitable heavy wire. Numerals 11 are provided on the inner face of the side wall 4 adjacent the forward edge thereof and also adjacent the forwardmost arms 10 for indicating the scoring values thereof. From these forwardmost arms 10 lines 12 extend to the rearward arms in a manner to indicate that said rearward arms have the same scoring values. The reference numeral 13 designates projectiles which are adapted to be suspended on the scoring arms 10. Projecting from one end of the projectiles 13 are hooks 14 which are engageable over the arms 10.

Fixed on the closure 7, on the side portion thereof which is adjacent the wall 4 of the cabinet 1, is a chute 15 of substantially the shape shown to advantage in Fig. 1 of the drawings. It will be noted that the chute 15 is mounted on the inner portion of the closure 7. Slidably mounted in guides 16 which are provided therefor on the outer portion of the closure 7 is a pneumatic barrel 17. The inner end portion of the barrel 17 extends over the outer end portion of the chute 15. A stop 18 on the inner end portion of the barrel 17 limits outward sliding movement thereof in the guides 16. The reference numeral 19 designates a rubber compression bulb which is adapted to be removably mounted on the outer end portion of the barrel 17.

It is thought that the manner of using the device will be readily apparent from a consideration of the foregoing. To play the game, the closure 7 is swung downwardly to a horizontal position and the barrel 17 is slid outwardly in the guides 16 until the outer end portion thereof projects beyond the free end of said closure 7. A projectile 13, with the hooks 14 thereon forwardmost, is then inserted in the outer end portion of the barrel 17, after which the compression bulb 19 is attached thereto. The bulb 19 is then compressed for pneumatically ejecting the projectile from the barrel 17, said projectile travelling up the chute 15 and then passing upwardly through the air toward the arms 10 in the cabinet 1. The object, of course, is to hang the projectiles on the scoring arms 10. After a predetermined number of shots, the player computes his score and then, by tilting the cabinet 1 from left to right, as seen in Fig. 1 of the drawings,

the projectiles will slide by gravity off the free ends of the arms 10 and drop to the bottom of the cabinet 1 to be reused. The player making the highest score wins. When the device is not in use, the compression bulb 19 is removed and placed in the cabinet 1, together with the projectiles. The barrel 17 is then slid inwardly to bring the outer end thereof within the corresponding end of the closure 7, after which said closure may be swung to closed position and latched.

In the modification shown in Figs. 4 and 5 of the drawings, the reference numeral 20 designates an elongated table of suitable material comprising supporting legs 21. Mounted on the rear end portion of the table 20 is a cabinet which is designated generally by the reference numeral 22. The cabinet 22 is open at its bottom for communication with a forwardly extending projectile return chute 23. The cabinet 22 is also open at its front, said cabinet comprising side walls 24 and 25, a top 26 and a back 27.

Pivotally mounted for swinging movement in a vertical plane on the inner side of the wall 24 of the cabinet 22 is a plurality of scoring arms 28. The arms 28 are of suitable heavy wire and said arms, when in operative position, as seen in Fig. 5 of the drawings, extend transversely of the cabinet 22 and terminate in spaced relation to the side wall 25 thereof. Upstanding levers 29 are fixed on the pivoted ends of the arms 28. Connected to the levers 29 and extending slidably through openings which are provided therefor in the side wall 24 of the cabinet 22 are rods or the like 30. A panel or plate member 31 is mounted on the outer ends of the rods 30 and constitutes means for connecting the arms 28 for actuation in unison. The reference numeral 32 designates an operating rod for the panel or plate 31. A lever 33 is provided on the forward end of the rod 32 for manually actuating same. On the other end of the rod or shaft 32 is a crank 34 operatively connected to the panel or plate 31. A spring 35 is connected to the rear end portion of the shaft 32 for yieldingly maintaining the panel or plate 31 in its outer position, in which position the arms 28 are supported in a horizontal position. Score indicating numerals 36 are provided on the inner face of the wall 24 adjacent the forward edge thereof and also adjacent the forwardmost arms 28. Lines 37 extend from the forwardmost arms 28 to those in the rear of the cabinet 22 for indicating similar scoring values.

Mounted on the table 20 at the open front of the cabinet 22 and adjacent the side wall 24 thereof is a chute 38. Mounted on the forward portion of the table 20 is a projectile barrel 39 the rear end portion of which extends over the forward end portion of the chute 38. The barrel 39 projects beyond the forward end of the table 20 and said barrel is open at both ends. The reference numeral 40 designates a foot operated bellows at the forward end of the table 20. A vertical air tube 41 connects the bellows 40 with the forward end portion of the barrel 39. A spring actuated closure 42 for the forward end of the barrel 39 is mounted on the tube 41.

In use, the closure 42 is swung to open position to permit the insertion of a projectile 13 in the barrel 39 at this end. The closure 42 is then permitted to close. The player then steps on the bellows 40 for forcing air upwardly through the tube 41 and the barrel 39, thus ejecting the projectile from the latter. The projectile travels up the chute 38 and is projected into the air, the object being to hang said projectile on one of the arms 28. After a predetermined number of the projectiles have been played the score is computed. The rod or shaft 32 is then rocked in a direction to move the panel 31 inwardly toward the adjacent wall 24 of the cabinet 22, as shown in broken lines in Fig. 5 of the drawings. This swings the arms 28 downwardly in a manner to cause the projectiles hanging thereon to slip off the free ends thereof, said projectiles entering the chute 23 which delivers them to the front of the machine to be replayed. Of course, the projectiles which do not hang on the arms 28 when they are played fall into the chute 23 to be returned.

It is believed that the many advantages of a game constructed in accordance with the present invention will be readily understood and although preferred embodiments of the device are as illustrated and described, it is to be understood that further modifications and changes in the details of construction may be resorted to which will fall within the scope of the invention as claimed.

What is claimed is:—

1. A game device comprising a cabinet open at its front and adapted to be tipped, said cabinet including opposed side walls, members mounted substantially horizontally on one of the side walls, a projector spaced from the cabinet, a projectile receivable in the projector to be projected thereby toward the cabinet, and a chute interposed between the projector and the cabinet for directing the projectile upwardly toward the members in the cabinet, said projectile including means for catching on the members when the projectile engages said members, the members terminating in spaced relation to the other side wall of the cabinet for causing the projectile to slide and drop therefrom when said members are tipped.

2. A game comprising a cabinet open at its front, said cabinet including opposed side walls and a bottom, a closure for the front hingedly connected at its lower end to said bottom, a plurality of scoring arms mounted transversely in the cabinet on one of the side walls and terminating in spaced relation to the other of said side walls, a pneumatic projector mounted on the free end portion of the closure, a projectile receivable in the projector to be projected thereby toward the cabinet, and a chute mounted on the inner portion of the closure for deflecting the projectile toward the arms, said projectile including hooks for catching on the arms.

3. A game comprising a cabinet, a plurality of arms mounted for swinging movement in a vertical plane in said cabinet, a projector spaced from the cabinet, a projectile receivable in the projector to be projected thereby into engagement with the arms, said projectile including means for catching on the arms, and means common to all of the arms for swinging same downwardly for sliding the projectile therefrom, the last named means including a plate movable relative to the cabinet, elements operatively connecting the arms to said plate for actuation thereby, and means for actuating the plate.

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