

(No Model.)

G. STACKHOUSE.
GAME BOARD.

No. 475,624.

Patented May 24, 1892.

Fig 1

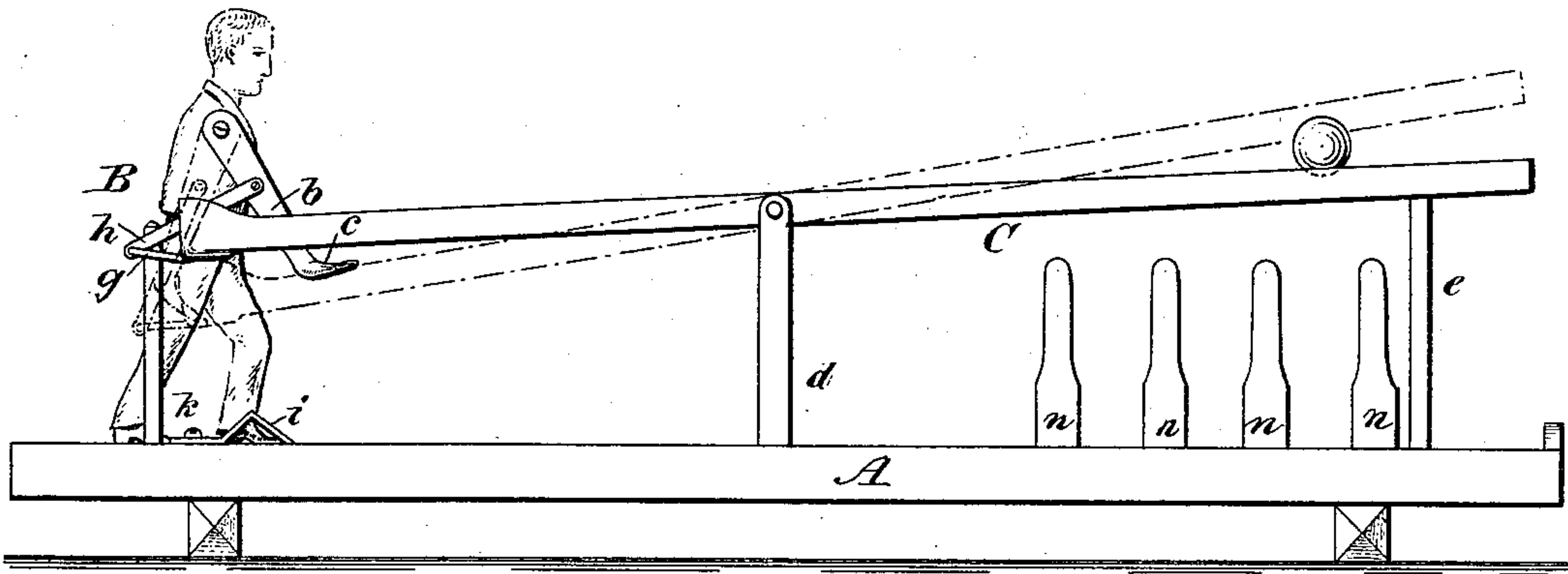


Fig 2

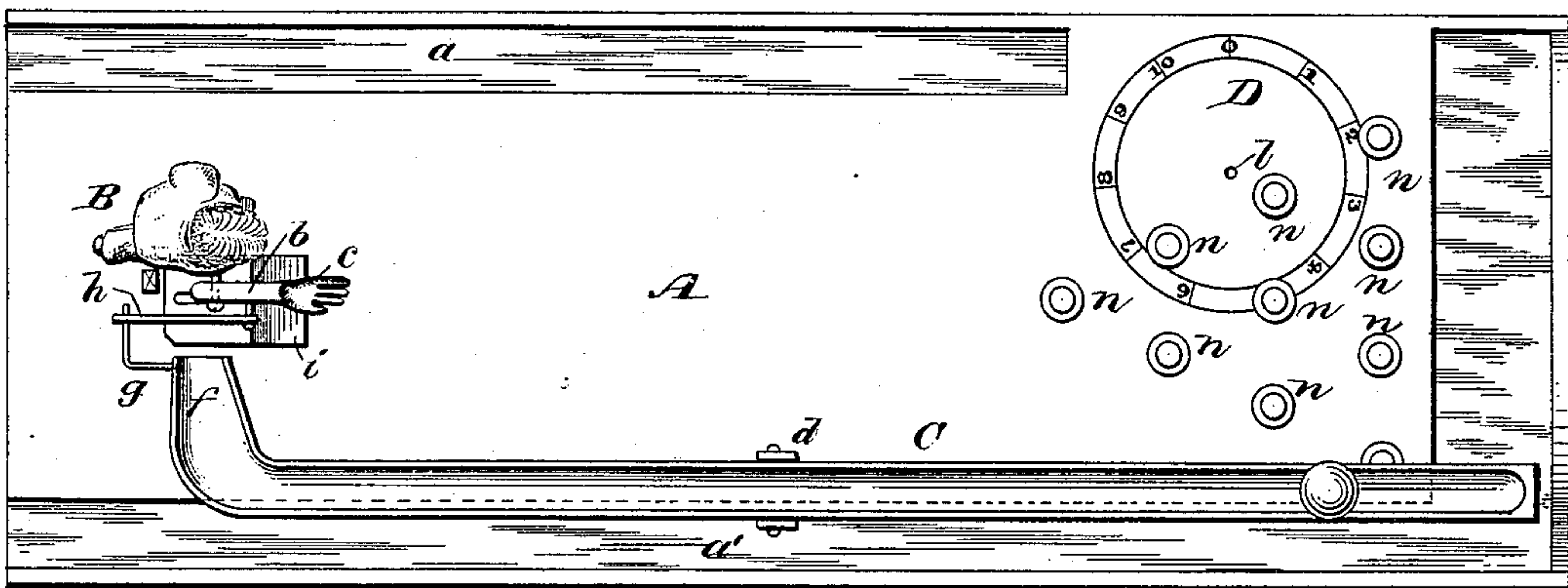
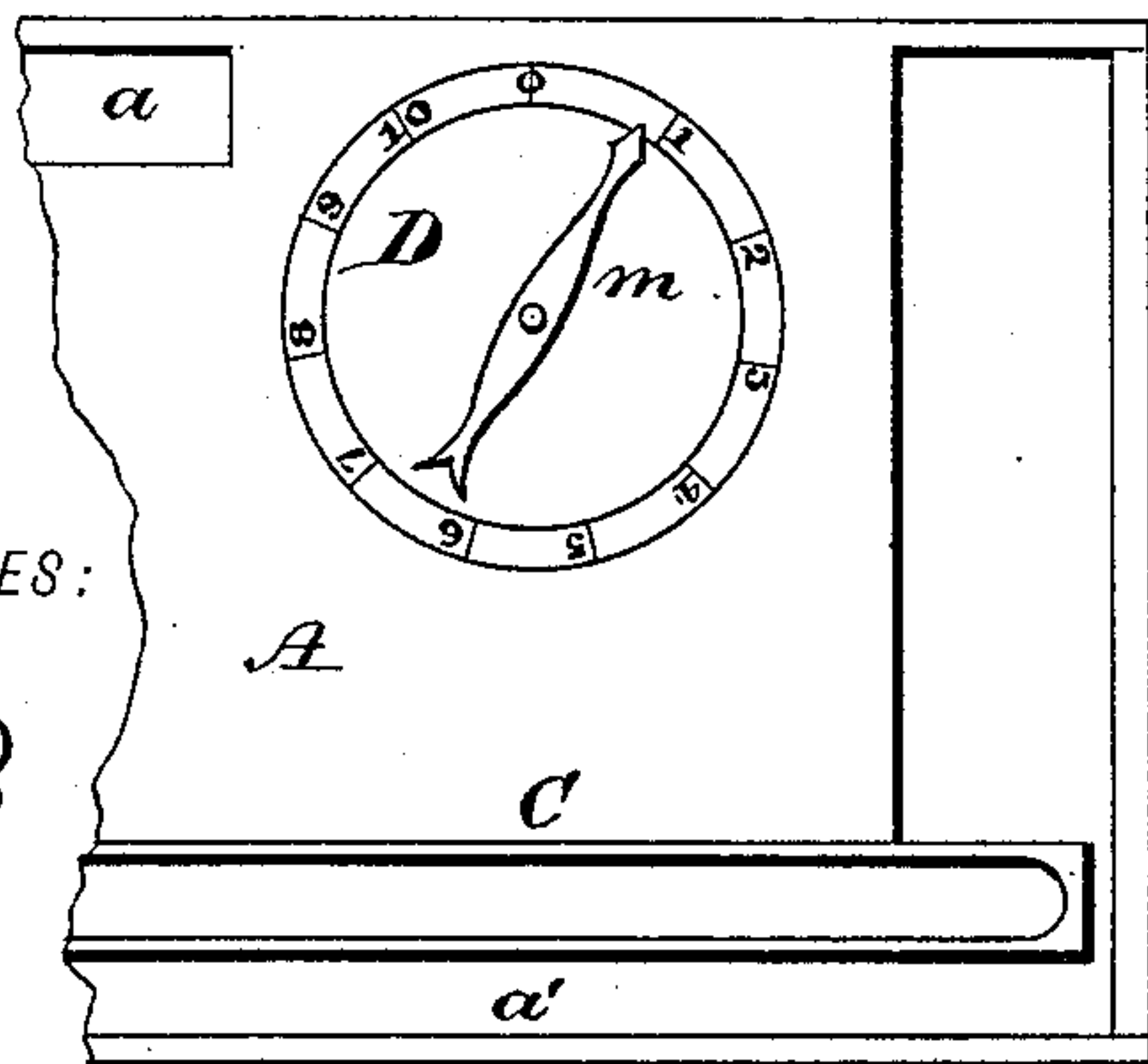


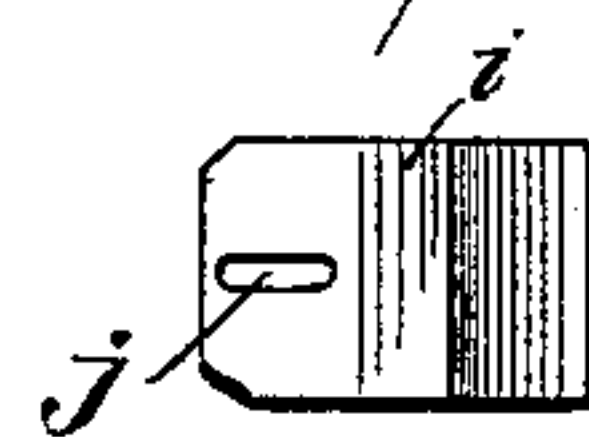
Fig 4



WITNESSES:

H. Walker
C. Sedgwick

Fig 3



INVENTOR

G. Stackhouse
BY Munn & Co.
ATTORNEYS.

UNITED STATES PATENT OFFICE.

GEORGE STACKHOUSE, OF PITTSBURG, PENNSYLVANIA.

GAME-BOARD.

SPECIFICATION forming part of Letters Patent No. 475,624, dated May 24, 1892.

Application filed July 8, 1891. Serial No. 398,838. (No model.)

To all whom it may concern:

Be it known that I, GEORGE STACKHOUSE, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a new and Improved Toy, of which the following is a specification, reference being had to the annexed drawings, forming a part thereof, in which—

Figure 1 is a side elevation of my improved toy. Fig. 2 is a plan view. Fig. 3 is a detail view of the inclined plate, and Fig. 4 is a detail view of the "wheel of fortune."

Similar letters of reference indicate corresponding parts in all the views.

The object of my invention is to construct a simple toy in imitation of a ten-pin alley with an automaton arranged to bowl.

My invention consists in a bowling-alley with suitable troughs around the sides and ends for receiving the balls, a tilting return-trough for carrying the balls to the point of starting, an automaton provided with a swinging arm connected with the tilting trough, and an inclined plane for receiving and projecting the ball.

It also consists in the combination, with the alley, of a wheel of fortune to be used instead of the pins when desired, all as will be hereinafter more fully described.

The alley A is provided at its sides with troughs *a a'*, the trough *a'* being continued across each end of the alley. Upon the front end of the alley is placed an automaton B, provided with a swinging arm *b*, having a hand *c*, adapted to receive the ball when returned in the manner presently to be described. At the side of the alley and above the trough *a* is arranged a tilting trough C, which is normally inclined downward toward the automaton B. The trough C is pivoted in the standard *d* and its rear end rests upon the standard *e*. The front end of the tilting trough C is curved over toward the automaton B, forming a spout *f*. In the side of the said spout is inserted an angled rod *g*, which is connected by a link *h* with the arm *b*.

To the alley A, below the arm *b*, is secured an inclined metal plate *i*, the said plate being formed of a piece of sheet metal, which is angled to give it the required elevation and furnished with a slot *j* for receiving the screw *k*, by which the inclined plate *i* is held in any

desired position. At the rear end of the alley A is arranged a graduated circle D, and in the center of the said circle is arranged a hole *l* for receiving the spindle of an index *m*, which turns freely and is to be operated by the impact of one of the balls when it is desired to use the device as a wheel of fortune.

Upon the rear end of the alley A are set pins *n*, which are arranged in the same order as the pins are usually set in a ten-pin alley. The balls, which in the present case are marbles, are placed in the upper and rear end of the tilting trough C. As they roll down the trough toward the automaton the said trough is tilted after the ball passes the standard *e*. As the front end of the trough descends, its downward movement carries back the arm *b* through its connection with the trough by the link *h*, and when the ball reaches the spout *f* it is discharged into the hand *c*, attached to the arm *b*, which is then drawn back into the position indicated by dotted lines in Fig. 1. The ball falls from the hand, and, dropping on the angled plate *i*, is rolled rearwardly on the alley and knocks over the pins and operates the "wheel of fortune." After the ball leaves the hand *c* the tilting trough C returns to the point of starting and quickly moves the arm *b* forward, giving the automaton the appearance of throwing the ball.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A toy comprising an automaton provided with a swinging arm, a tilting trough adjacent to the automaton and delivering to the hand thereof, and a connection between the trough and arm for operating the latter from the former, substantially as described.

2. A toy comprising an alley, an automaton at one end of the alley and provided with a swinging arm, a longitudinally-extending and tilting delivery-trough on the alley and delivering to the hand of the automaton, and a link connecting the trough with the arm of the automaton, substantially as described.

3. The combination of the alley A, the tilting trough C, provided with the spout *f*, having a lateral angled rod *g*, the automaton B, provided with the swinging arm *b*, having the hand *c*, and the link *h*, connecting the rod *g* and arm *b*, substantially as described.

4. A toy comprising an alley, an automaton having a swinging arm at the front of the alley, a tilting trough delivering to the hand of the automaton, a connection between the tilting trough and arm of automaton, a graduated plate at the rear of the alley, and an index mounted to turn on the said graduated plate, substantially as described.
5. In a toy, the combination, with an alley, of an automaton having a swinging arm, a tilting trough delivering to the hand of the automaton, a connection between the arm of the automaton and the tilting trough, and an inclined plate secured to the alley in front of the automaton, substantially as herein shown and described.

GEORGE STACKHOUSE.

Witnesses:

JAS. A. MCKAIN,
THOS. H. EUSCOE.