

G. DISTLER.
Parlor Game-Board.

No. 196,114.

Patented Oct. 16, 1877.

Fig. II.

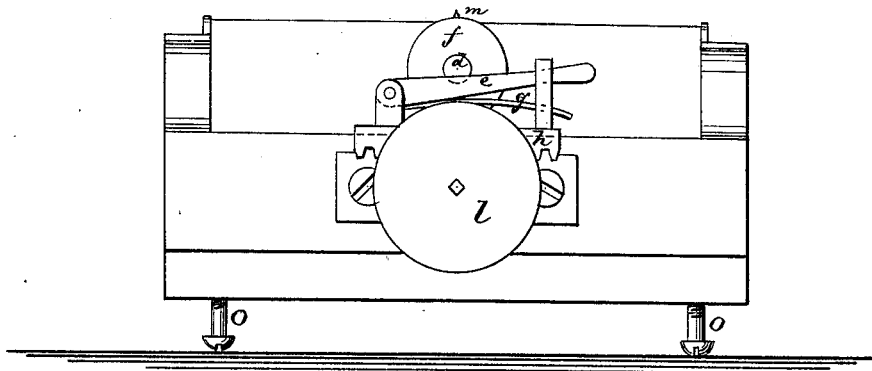


Fig. III.

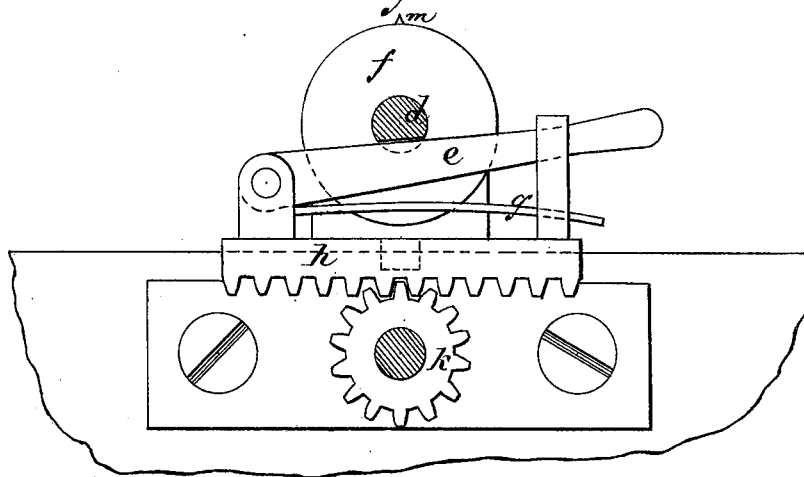
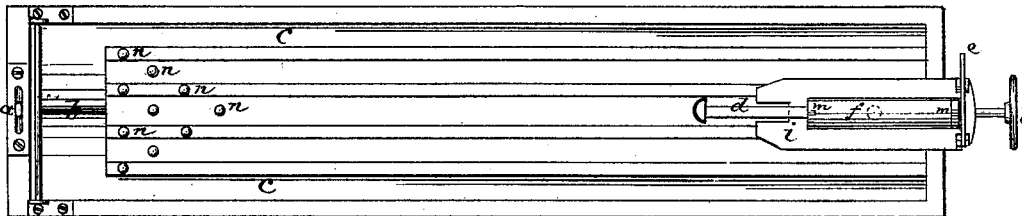


Fig. I.



Witnesses:
Theo. Kimmoney
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Inventor:
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UNITED STATES PATENT OFFICE.

GEORGE DISTLER, OF CYPRESS HILLS, NEW YORK.

IMPROVEMENT IN PARLOR GAME-BOARDS.

Specification forming part of Letters Patent No. **196,114**, dated October 16, 1877; application filed March 6, 1877.

To all whom it may concern:

Be it known that I, GEORGE DISTLER, of Cypress Hills, in the county of Kings, State of New York, have invented a new Portable Bowling-Alley, of which the following is a specification:

The object of my invention is to construct a bowling-alley portable from one room to another and from one field to another, as hereinafter described. Those to be used outdoors may be made of any desired length. Those to be used within doors are about five feet long. All of them are so arranged that the player, either standing or sitting, by the turn of a screw may determine accurately the course on which he intends to play his ball, and by the touch of a spring send it on that course, the ball returning to the player along the side of the alley by its own gravity. A pull on a ring secured to a short rod, by a cord thereto attached, may turn downward a lever under the end of the alley, and so tauten the ten (10) strings secured to the bottom of the several ten-pins, and put them up again in their places. An elliptic spring pressing upon a shoulder on the rod may be arranged to force the lever back into its original position, and thus slacken the strings, so that the ten-pins may again be bowled over. A spirit-level secured in the end frame makes it easy to put the alley up perfectly level by screwing the legs up or downward, respectively.

In the accompanying drawings, Figure I represents the bowling-alley when looked at from above. Fig. II, on an enlarged scale,

shows the end of the alley nearest to the player; and Fig. III, drawn to a still larger scale, represents this end of the alley, but the handle *l* is left off, so as to show the operation of the several parts of the machinery upon each other.

The same letters designate the same parts in all the drawings.

a is a spirit-level. The place or landing *b*, upon which the ball rebounds from the cushion, slopes toward both the gutters *c c*, which grow deeper toward the front end, so that the ball rolls back to the player. The bolt *d* has a spiral spring attached to it, and is kept in position upon the arm *e* by a notch. *f* is the tube or barrel wherein the bolt moves.

When the arm *e* is pressed down upon the spring *g* the bolt is propelled by the force of the spiral spring, and sends off the ball. The segment cog-wheel or rack *h*, firmly secured to the bed-plate *i*, is moved to the right or left by the pinion *k*, which latter is turned by the handle *l*. The sights *m m* upon the barrel enable the player to take accurate aim. *n n n n* are the places for the ten-pins.

I claim as my invention—

A portable bowling-alley having the tube *f*, bolt *d*, the spring *g*, and arm *e*, in combination with the rack *h* and pinion *k*, all constructed and arranged to operate as and for the purpose described.

GEORGE DISTLER.

Witnesses:

THEO. ROMMENEY,
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