

No. 705,632.

Patented July 29, 1902.

R. ASTARITA.
TOY GAME.

(Application filed Aug. 31, 1901.)

(No Model.)

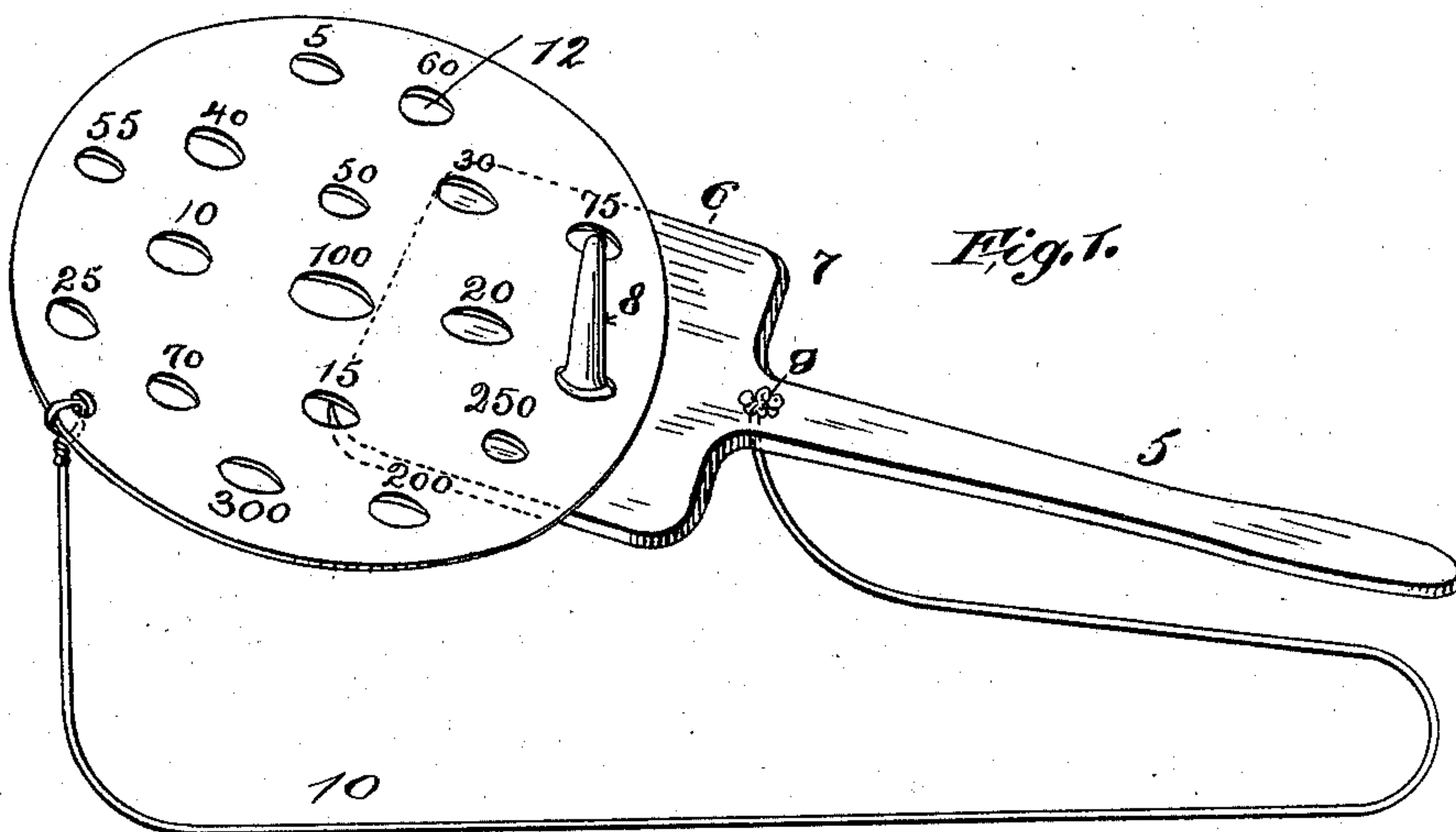


Fig. 2.

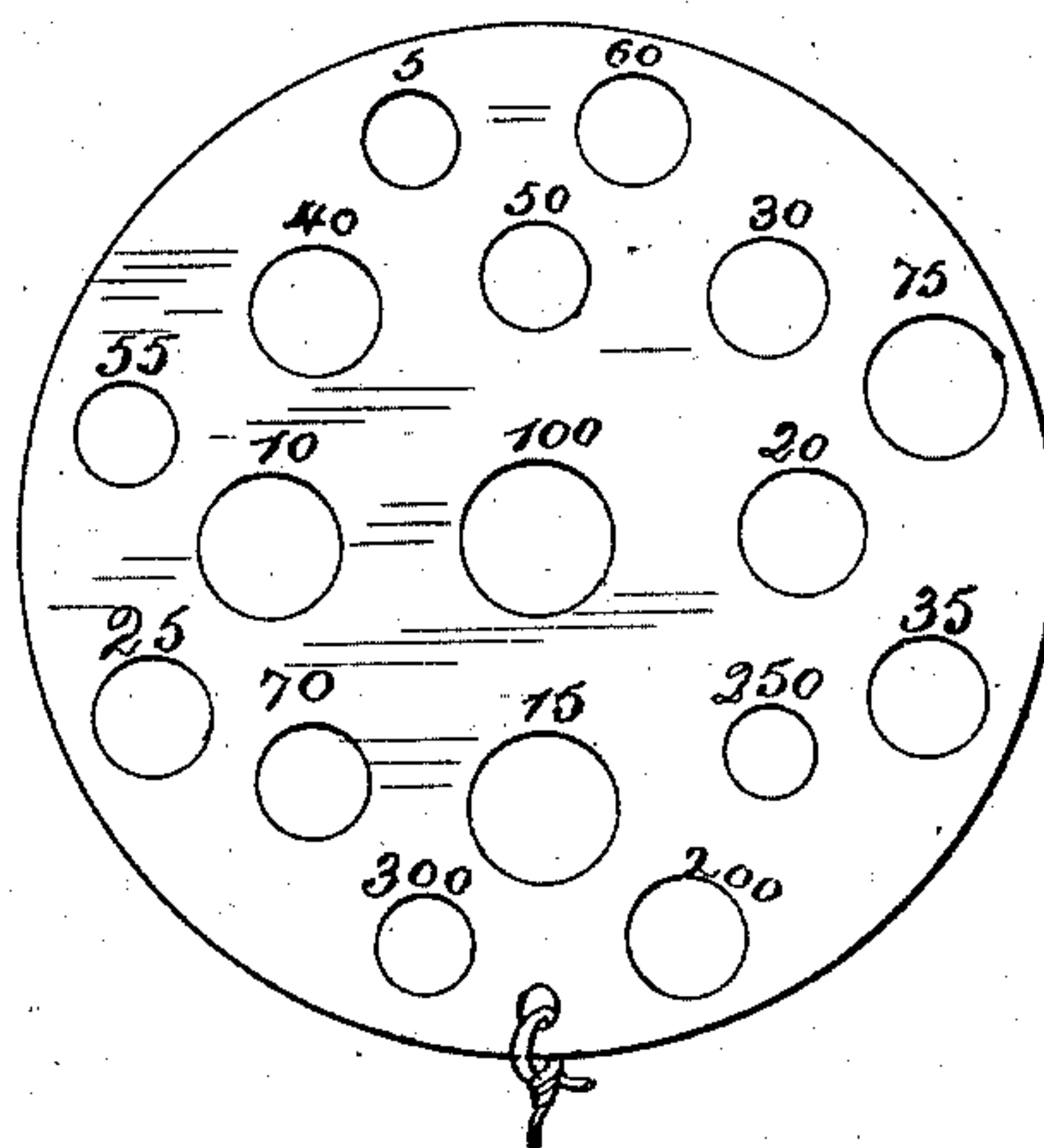


Fig. 3.

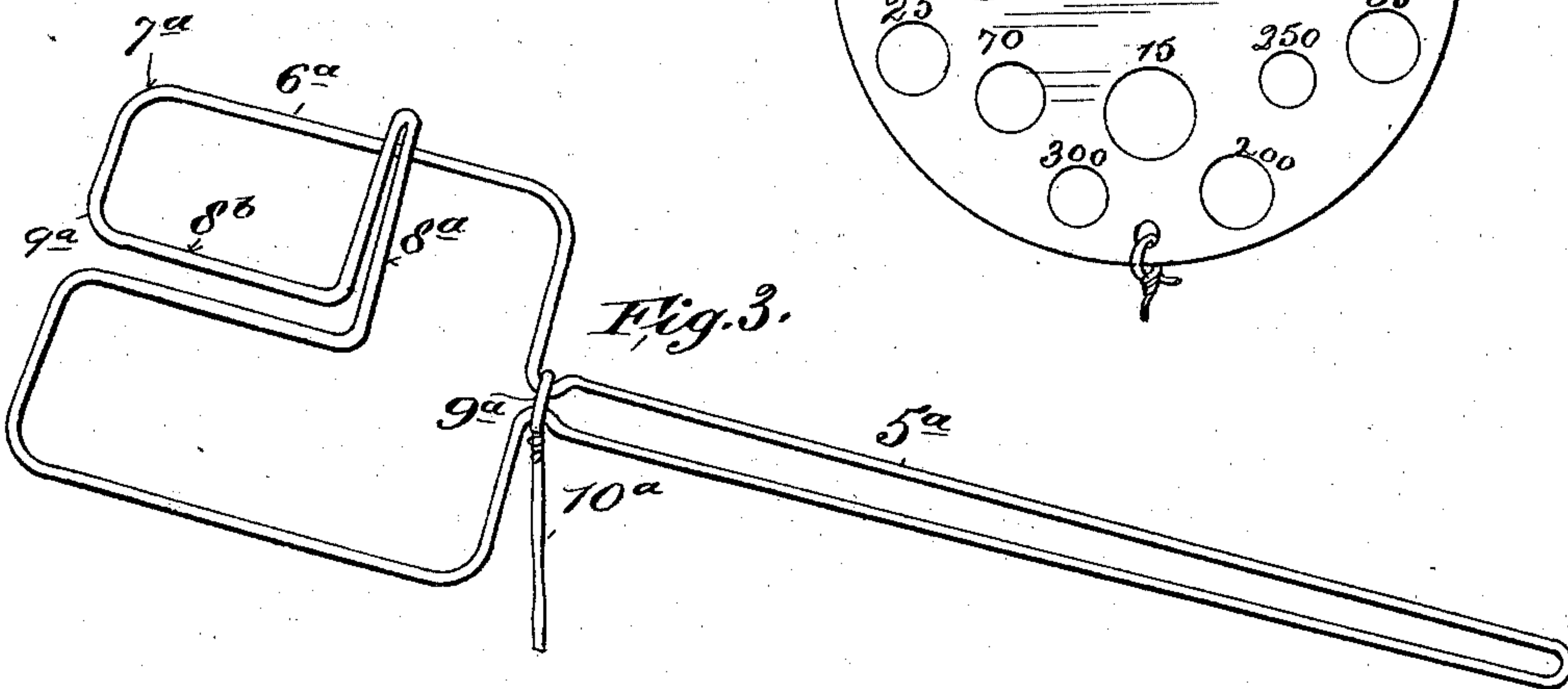
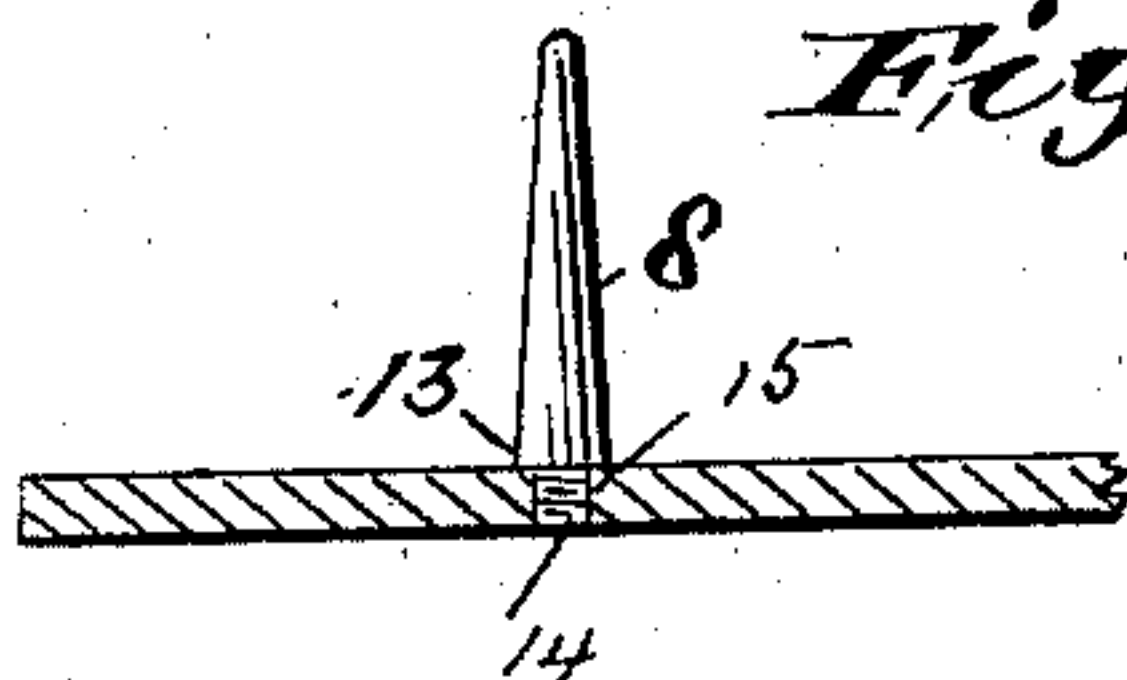


Fig. 4.



Witnesses;
J. M. H. Spector
G. M. Boullée

Inventor
Raffaello Astarita,
by J. R. Littell,
his atty.

UNITED STATES PATENT OFFICE.

RAFFAELLO ASTARITA, OF NEW YORK, N. Y.

TOY GAME.

SPECIFICATION forming part of Letters Patent No. 705,632, dated July 29, 1902.

Application filed August 31, 1901. Serial No. 73,917. (No model.)

To all whom it may concern:

Be it known that I, RAFFAELLO ASTARITA, a subject of the King of Italy, residing at New York, in the county and State of New York, have invented certain new and useful Improvements in Toy Games, of which the following is a specification.

The subject of this invention is a toy game consisting of the simple and inexpensive construction hereinafter described and claimed, which is capable of proving both amusing and instructive.

Primarily the toy game comprises a handle provided contiguous to one end with a pin, a disk with a series of numerically-designated perforations being connected with the handle near its pin by a cord which is attached to the marginal portion of the disk, the arrangement being such that with the disk disengaged from the pin the handle may be manipulated to cause said disk, through the medium of the cord connection, to assume such positions that the pin can be passed through one of the series of numbered perforations. A series of these efforts on the part of opposing persons will constitute the game, the successful object of which will be to engage the greatest number of holes representing the highest numerical total. Obviously with practice considerable skill may be exercised in causing the pin to engage those perforations having the greatest value. The toy game may also serve as an aid in teaching addition by the quick calculation of the total amount represented by the holes engaged during a definite number of efforts.

There are certain novel details connected with the invention which will also fully be set forth.

In the accompanying drawings, forming part of the specification, Figure 1 is a perspective view of a toy game embodying my invention, the disk being represented as having one of its holes engaged by the pin. Fig. 2 is a plan of the disk, generally illustrating the varying character of the holes and numeral designation. Fig. 3 is another perspective view indicating a modified arrangement of handle and pin. Fig. 4 is a sectional

view on a line parallel with the handle and extending through the center of the pin.

Corresponding parts in all the figures are denoted by the same reference characters.

Referring to the drawings, at the large end of the handle 5, which is shown as being tapered, is a platform 6, the corners 7 of which are rounded. Supported at the center of the platform by being embedded therein or otherwise is an upwardly-tapering vertical pin 8. A small score or groove is provided, preferably at the point of junction of the platform with the handle, such score or channel being for the secure attachment of one end of a cord 10, the other end of which is attached to a disk 11, near the margin thereof. In its simplest form the disk 11 will be of paper-board, having a series of differentially-arranged circular perforations 12 and accompanying numerals of different values. It may appear more finished by having a printed ornamental border and any other matter that will increase its attractiveness. When desired, it can be utilized as an advertising medium.

With the toy thus constructed the handle and pin-carrying platform, as before stated, can be so operated that the disk will through its cord connection assume positions permitting the pin to engage some one of the holes. The arrangement of numerals will depend upon fancy; but the novelty of the toy will be increased by applying the numerals of largest values to those holes most difficult to engage. For instance, it will probably be difficult to engage the central hole, and for this reason it has a designation of "100." It will perhaps be still harder to intentionally engage those holes nearest the cord connection with the disk, and for that reason they have been given the highest numerical designations. It may be well at this point to state that the disk may be made of many materials besides paper-board. Sheet metal, celluloid, or any of the numerous fiber compositions may be utilized. The extended area afforded by the platform 6 insures that the disk 11 will always be so supported when its pin is engaged that accidental disengagement due to undue tilting of the disk can be pre-

vented. The rounding of the corners 7 of the platform, besides contributing to the ornamental appearance of the toy, avoids denting and defacement of the disk, such as it might incur were the corners angular.

While the handle, platform, and pin may be of wood suitably surfaced, ornamented, if desirable, it will be apparent that any or all of these parts may be otherwise produced, as from papier-mâché or other satisfactory composition. In lieu of the cord an elastic connection may be used, so that the disk can receive a certain amount of resiliency of movement, tending to increase the amusement the toy will afford.

Instead of the solid construction of handle, platform, and pin disclosed in Fig. 1 these parts may be formed of a single length of wire, as shown in Fig. 3. In this latter arrangement the wire is bent to present the vertical pin 8^a, outward parallel horizontal bends 8^b, diverging and turned to constitute the square frame 6^a, with rounded corners 7^a, the contracted neck and shoulder 9^a for the attachment of the cord, and the extended and nearly parallel members 5^a, joined together at their extremities to present the handle. This arrangement will not only be light, but simple and inexpensive.

The pin 8 may, if desired, be detachably connected to the platform 6 in any suitable manner, which is herein shown as a screw-threaded connection, as shown in Fig. 4 at 13, the end of the pin 8 being reduced in size and provided with screw-threads 14, com-

plementary to a screw-threaded aperture 15 in the platform 6. By detaching the pin 8 and laying it lengthwise much space may be saved in packing and much expense in transportation.

I do not desire to be understood as limiting myself to the details of construction and arrangement as herein described and illustrated, as it is manifest that variations and modifications may be made in the features of construction and arrangement in the adaptation of the device to various conditions of use without departing from the spirit and scope of my invention and improvements. I therefore reserve the right to all such variation and modification as properly falls within the scope of my invention and the terms of the following claim.

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

A game apparatus, comprising a handle carrying a platform with a pin rising from it, a disk containing a plurality of numbered perforations whereby said disk is adapted to be caught on said pin, with the plane of the disk at right angles to the axis of the pin and a cord connecting said disk and said handle.

In testimony whereof I have signed my name in the presence of the subscribing witnesses.

RAFFAELLO ASTARITA.

Witnesses:

J. R. LITTELL,
HARTWELL P. HEATH.