(No Model.)

U. GREMINGER.

GAME APPARATUS.

No. 445,260. Patented Jan. 27, 1891.

Fig. 1.

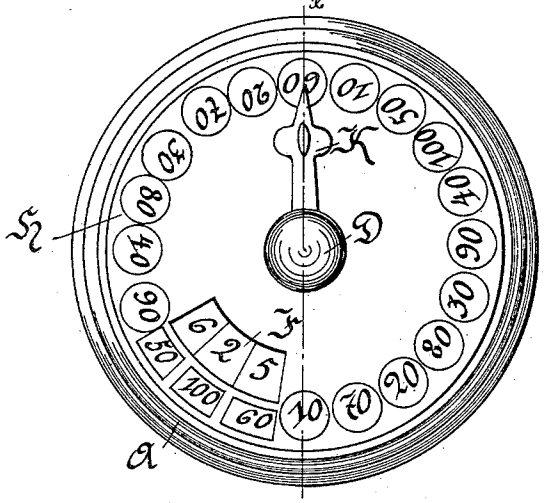


Fig. 2.

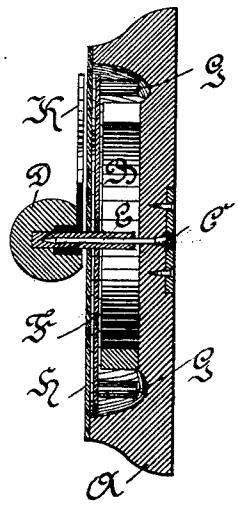


Fig. 3.

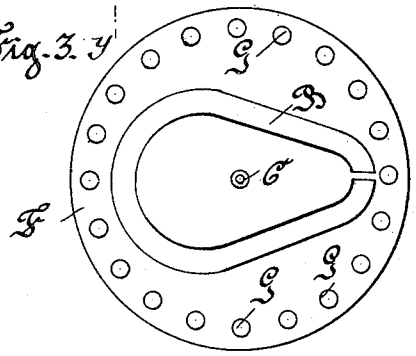
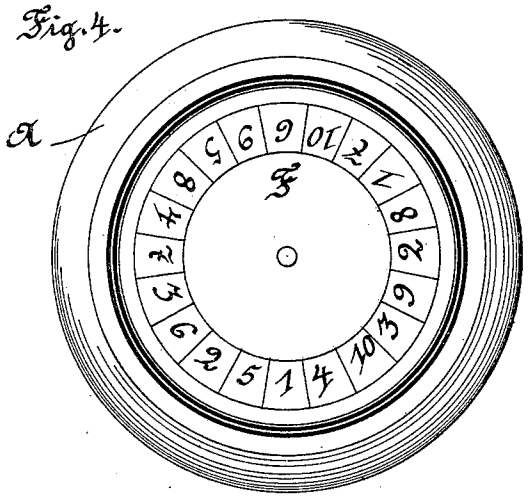


Fig. 4.



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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

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GAME APPARATUS.

SPECIFICATION forming part of Letters Patent No. 445,260, dated January 27, 1891.

Application filed October 8, 1890. Serial No. 367,382. (No model.)

To all whom it may concern:

Be it known that I, ULRICH GREMINGER, a citizen of Switzerland, residing at St. Gall, in the canton of St. Gall, have invented a new and useful Game or Pastime, of which the following is a clear and exact specification.

My invention relates to a magnetic game in which a round plate provided on its surface with numbers is set in rotation by turning a knob and is stopped by the influence of a magnet, the poles of which tend to attract pins secured to the under surface of said rotating plate. The turning of the knob is marked by a hand sliding along numbers, and the stoppage of the rotating plate is marked, too, by an opening in the cover of the apparatus, the opening showing several numbers of the stopped plate. In order to make my invention more clear, I refer to the accompanying drawings, in which similar letters denote similar parts throughout the different views, and in which—

Figure 1 is an upper plan view of the whole apparatus. Fig. 2 is a cross-section taken on the line $x\ y$ of Fig. 1. Fig. 3 is an under view of the rotating plate with the pins and the magnet; and Fig. 4 is an upper view of the plate F within the box of the apparatus, the cover of which, with knob and hand, is removed.

To the inner bottom of the hollow box A is secured a horseshoe-magnet B, which may be bent either as shown by Fig. 3 or in any other form. An upwardly-extending pin C is firmly attached to the box A in the center of the latter and bears a shell E, provided with a round flat plate F on the inside of the box and with a knob D on the outside of the box.

The plate F is at its under surface and near its rim furnished with pins in regular distances, Fig. 3, which, when the plate is set in rotation by knob D, pass the poles of the magnet. The upper surface of plate F is provided with numbers, as to be seen in Fig. 4. The box A is covered by a plate H, provided near its rim with a row of numbers, and with an opening I, through which certain numbers of the inner rotating plate may be seen. The hand K, intended to mark any number upon the cover H, is attached to shell E by another short shell having its place within the knob D.

In order to change the ratio of every play the relative position of the hand K to the rotating plate F may be altered by turning the hand on the shell E as much as desired.

The game is played as follows: By turning the knob D the hand K and the plate F are set in rotation, the hand sliding along the numbers on the cover H and the numbers on the rotating plate passing the aperture I in cover H. At the same time the pins G, secured to the under surface of the rotating plate F, pass the poles of magnet B until the influence of the latter upon said pins effects decrease of the rotation of plate F and finally stoppage, the magnet holding one of the pins directly before its poles. Now the hand K will mark any number upon the cover H, and three of the numbers on the plate F will be seen through the aperture I in cover H. The numbers obtained so may be used now in any combination or in any other way for the play, this being left to the respective players.

Having thus fully described the nature of my invention, what I desire to secure by Letters Patent of the United States, is—

1. As an article of manufacture, a magnetic game or pastime containing a movable plate F, provided with numbers at one side and with pins G at the other, in combination with a magnet B, secured to box A and adapted to decrease and stop the rotation of plate F, the latter being turned by a knob D, projecting over the cover H of box A, for the purpose as described.

2. The knob D, with shell E and plate F, in combination with a movable hand K, the hand sliding along numbers upon the cover H, the latter being provided with one or more openings I, showing several numbers of plate F, for the purpose as described.

In testimony whereof I sign this specification in the presence of two subscribing witnesses.

ULRICH GREMINGER.

Witnesses:

JACOB UNTERHAUSER,

HERM. KLÖCHLINGER.