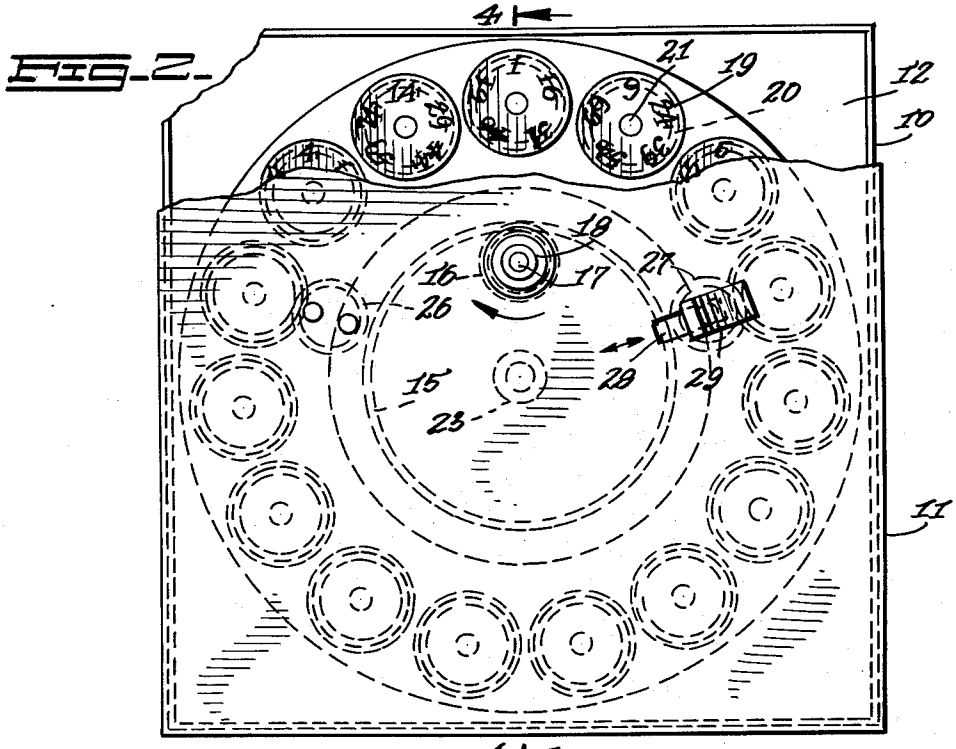
March 29, 1966 H. A. MILLER 3,243,185

CHANCE DEVICE WITH SEQUENTIALLY INDEXING ROTATABLE DISCS

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FIG. 2.



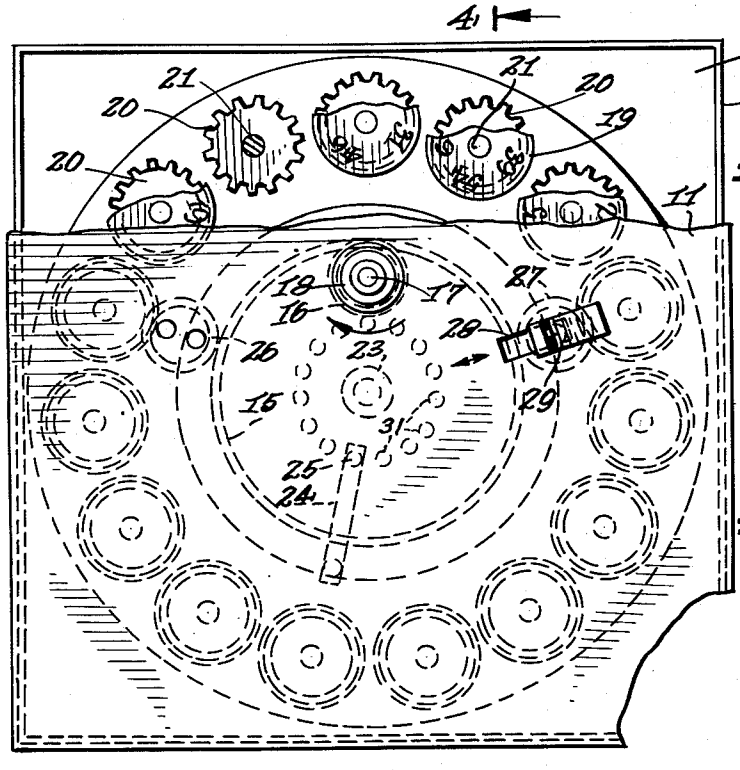


FIG. 1.

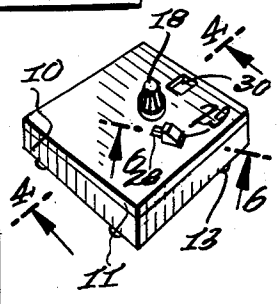


FIG. 3.

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FIG. 4

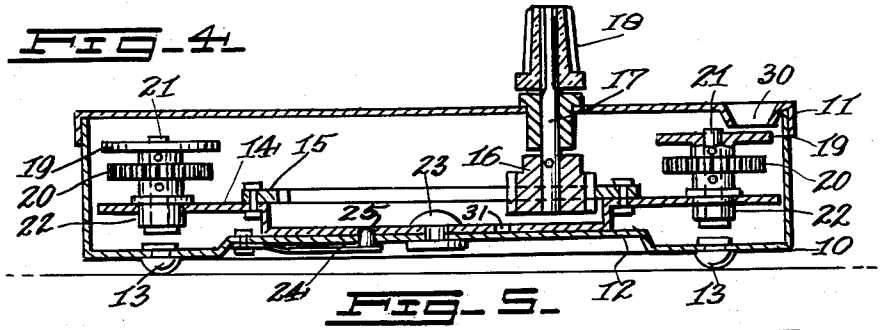
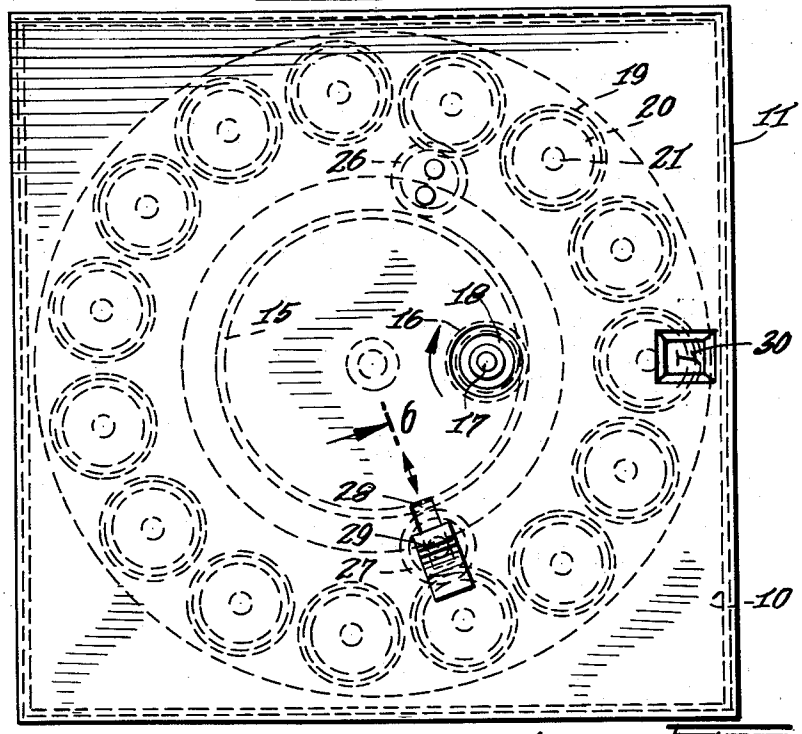
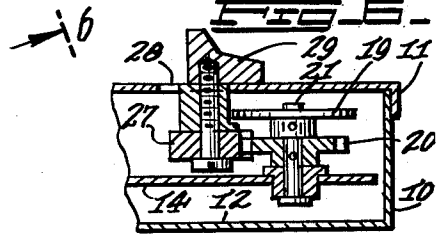


FIG. 5





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3,243,185

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3,243,185

CHANCE DEVICE WITH SEQUENTIALLY INDEXING ROTATABLE DISCS

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Filed Mar. 30, 1964, Ser. No. 355,607
1 Claim. (Cl. 273—142)

This invention generally relates to a game called bingo and more particularly to a machine for selecting numbers used in the playing of the game of bingo.

An object of the invention is to provide a machine for playing the game of bingo which is simple in construction, easy to use, well adapted for its intended purposes and relatively inexpensive to manufacture.

Another object of the invention is to provide a machine which will provide numbers more evenly spread over the seventy-five numbers used in playing the game of bingo.

Still another object of the invention is to provide a machine which will furnish up to and including seventy-five numbers without repeating any number.

These together with other objects and advantages which will become subsequently apparent reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawing forming a part hereof, wherein like numerals refer to like parts throughout, and in which:

FIGURE 1 is a perspective view showing the general embodiment of the present invention;

FIGURE 2 is a plan elevational view partially cut away to show the index dials and the manner in which the index numbers are embossed upon the dials in groups of five;

FIGURE 3 is a view similar to FIGURE 2 showing the dial gears and the indexing mechanism;

FIGURE 4 is a section taken on the line **4**—**4** of FIGURE 1 (and FIGURE 2) showing the various details of the mechanism;

FIGURE 5 is a plan elevational view of FIGURE 4 indicating the manner in which a numeral may be viewed from the window in the cover and the manner of operating the device (see arrows); and

FIGURE 6 is a section taken on the line **6**—**6** of FIGURE 1 (and FIGURE 5) showing the details of the movable mixer.

In carrying out the invention, referring now specifically to the drawing, there is provided a housing **10**, including a cover **11**, a base **12**, and mounting legs **13**. Rotating disk **14**, suspended from internal gear **15**, is turned by drive spur gear **16**, and drive shaft **17**, by operating knob **18**. Number dials **19**, rotated by dial gears **20**, held in place by mounting stud shafts **21**, and mounting bearings **22**. Numeral **23** designates the support shaft for rotation, **24** is the index spring, **25** is the index stud, and **31** are indexing stops. Stationary change gear **26** and moving changer **27** rotate dial gears. Slot **28** allows movement of handle **29**. View of number is seen in opening **30**.

In the operation of the device, knob **18** is turned until a new number appears in view opening **30**. As knob **18** is turned, drive spur gear **16** rotates internal gear **15**, bringing one of fifteen dials into twelve-o'clock position and one of five index numbers on dials **19** in viewing opening **30**. As internal gear **15** is advanced and passes stationary change gear **26**, dials **19** are advanced one index number, thereby, giving a different number at view opening until seventy-five numbers have been revealed and each dial **19** has passed view opening five times. Moving changer **27** is placed into operation before the start of a new game and its purpose is to revolve the dials **19** so that numbers will vary in the order in which they appear from game to game.

The foregoing is considered as ilustrative only of the principles of the invention. Further, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction and operation shown and described, and accordingly, all suitable modifications and equivalents may be resorted to, falling within the scope of the invention as claimed.

Having thus completely and fully described the invention, what is now claimed as new is as follows:

A chance device with sequentially indexing rotatable discs comprising in combination a housing having a viewing window therein, an internally toothed ring gear mounted within said housing for rotation on a vertical axis, an operating knob extending through said housing, means connecting said knob to said ring gear for rotating said ring gear in response to rotation of said knob, a plurality of indicia-carrying dials within said housing, means mounting said dials for conjoint translation in a circular path concentric with said ring gear and simultaneously with the rotation of said ring gear, pivot means for each said dial mounting same for rotation about an individual axis normal to the plane of said dial, means for imparting an equal amount of rotational movement to each dial about its individual axis upon each 360 degree translation of each dial through said circular path, selectively operable means for imparting a random rotation to any desired dial about its individual axis during said translation in said circular path, said circular path being aligned with said viewing window, and means for indexing the translational movement of said dials to align indicia on said dials with said viewing windows.

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