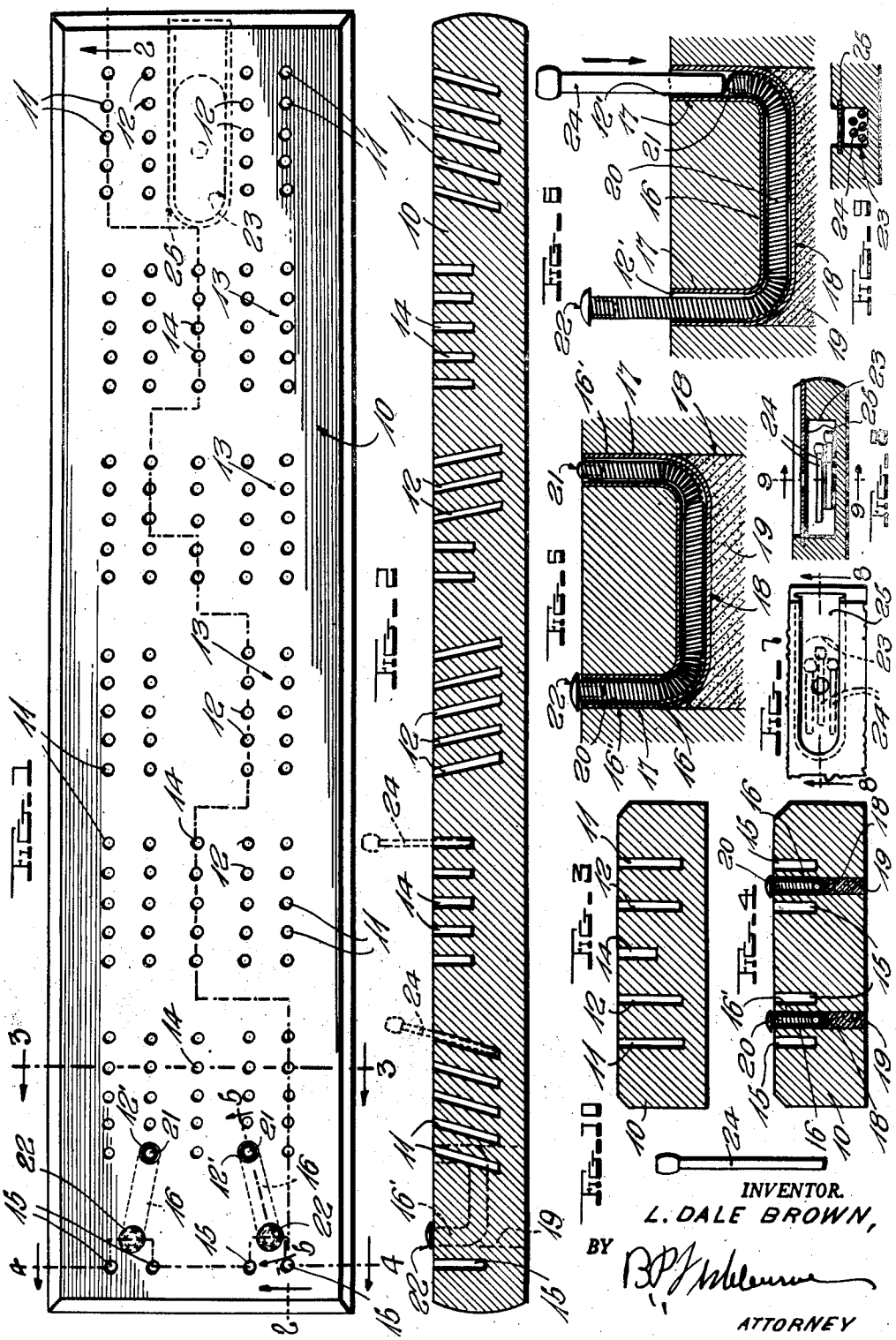
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SCORING DEVICE

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SCORING DEVICE

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5 Claims. (Cl. 235—90)

My invention relates to scoring devices and has particular reference to a scoring device to be used in connection with the playing of the game of cribbage or the like.

An important object of the invention is to provide a scoring device having inclined holes to receive the scoring pins so that the scoring pins are held inclined in the direction of their proper movement.

A further object of the invention is to provide a signal which is actuated by the insertion of a scoring pin into a selected hole.

A further object of the invention is to provide a signal device of the above-mentioned character which is of simple construction and which is automatically actuated by the insertion of the scoring pin into a scoring hole without the operator being called upon to perform any additional function.

Other objects and advantages of the invention will be apparent during the course of the following description.

In the accompanying drawing forming a part of this application and in which like numerals are employed to designate like parts throughout the same,

Figure 1 is a plan view of a scoring device or cribbage board embodying my invention,

Figure 2 is a longitudinal section taken on line 2—2 of Figure 1,

Figure 3 is a transverse section taken on line 3—3 of Figure 1,

Figure 4 is a similar view taken on line 4—4 of Figure 1,

Figure 5 is a detailed vertical section taken on line 5—5 of Figure 1,

Figure 6 is a view similar to Figure 5, showing the signal element projected to the outer position,

Figure 7 is a fragmentary bottom plan view of the board, showing a scoring pin receiving pocket,

Figure 8 is a longitudinal section taken on line 8—8 of Figure 7,

Figure 9 is a transverse section taken on line 9—9 of Figure 8, and,

Figure 10 is a side elevation of one of the scoring pins.

In the drawing, wherein for the purpose of illustration is shown a preferred embodiment of my invention, the numeral 10 designates a board which is preferably rectangular. This board is provided with two pairs of longitudinal outer and inner rows of scoring openings 11 and 12, arranged near its opposite longitudinal edges. The openings in each pair of longitudinal rows of openings are divided transversely into units 13, each unit comprising a pair of short rows of openings, and each short row containing five openings, as shown. The openings 11 in each outer longitudinal row 11 are vertically inclined to the right, indicating the direction in which the scoring pins are to be moved, the pin starting from the first hole 11 to the left. The openings 12 in each inner longitudinal row are inclined vertically to the left in the direction which the scoring pins are to be moved. This is true except for the last opening 12' to the left. The board is provided with a longitudinal row of intermediate vertical openings 14, which are shorter than the scoring openings 11 and 12. The openings 14 in the intermediate row are arranged in groups of five each. The openings 14 receive scoring pins to indicate the number of games won. The board 10 is provided near its left end with pairs of vertical openings 15, to receive scoring pins when not in use.

A signal device is provided for use in connection with each pair of rows of openings 11 and 12. This signal device comprises a U-shaped tube 16, Figure 5, which is vertically arranged. The vertical arms 16' of this U-shaped tube are held within openings 17 while the bottom of the U-shaped tube is held within a recess 18, closed by a plug 19 of plastic wood or the like. One vertical arm 16' of the U-shaped tube 16 is arranged at the inner end of each inner row of openings 12, and the bore of this arm constitutes an opening 12', corresponding to the openings 12, and serving to complete the inner row of openings 12. The other arm of the U-shaped tube is arranged inwardly of and adjacent to the openings 15. The signal element comprises a flexible closed coil spring 20, mounted within the U-shaped tube 16, and movable longitudinally within the same. A small headed pin 21 has its shank held within the end of the coil spring 20 at the opening 12' and this headed pin is adapted to move downwardly into the vertical arm of the tube. A large headed pin 22 is arranged at the opposite arm of the U-shaped tube and has its shank held within the coil spring. The head 22 is larger than the bore of the tube and cannot be moved into the same. When the end of the spring carrying the pin 21 is forced downwardly, Figure 6, the opposite end of the spring is projected upwardly beyond the surface of the board, producing a visual signal element. It is thus seen that a sig-

nal device is provided for use with each pair of rows of openings 11 and 12.

Upon its lower surface, preferably at the right end thereof, the board is provided with a recess or pocket 23 for receiving the scoring pins 24. This recess may be covered and uncovered by a sliding door 25.

In the use of the scoring device or board, the scoring pin 24 is started in the first opening 11 to the left of the outer longitudinal row, and after the score is made the pin is advanced to the right, in the direction in which it is inclined, for the number of holes, depending upon the score made. A second pin may be employed at the rear of the first pin for indicating the number of scores made during each play. The pin is advanced to the right along the outer row of holes 11 and when the inner row of holes 12 is reached the pin is advanced to the left in an opposite direction and in the direction in which it is inclined. When the left end of the inner row is reached, the pin is inserted in the last opening 12' and may or may not stop at this opening, depending upon the score last made. The score may advance the pin into the opening 11 of the outer longitudinal row before it is brought to rest. However, as soon as the pin is inserted into the opening 12' it is forced downwardly therein and the spring 20 has its free end carrying the pin 22 projected upwardly above the board, for a substantial distance thus producing a visual signal. The signal is thus actuated by the player without causing the player to perform any function other than inserting the pin in the scoring opening. The pin is then advanced to the right throughout the outer longitudinal row of openings 11 and then to the left throughout the inner row of openings 12 and when the opening 12' is again reached it is known definitely that two complete rounds of the rows of the openings 11 and 12 have been made since the signal is in the raised position. This completes the game. The operator may now depress the headed pin 22 which will return the signal element to the retracted position and raise the headed pin 21. Since the headed pin 22 cannot enter the bore of the tube, it cannot be depressed below the surface of the board to improperly provide a signal.

It is to be understood that the form of my invention herewith shown and described is to be taken as a preferred example of the same and that various changes in the shape, size, and arrangement of parts may be resorted to without departing from the spirit of my invention or the scope of the subjoined claims.

Having thus described my invention, what I claim is:

1. A scoring device comprising a board having openings passing through its upper surface, said board having a U-shaped opening passing through its upper surface, one end of the U-shaped opening being assembled with the first named openings and forming therewith a selected opening, a flexible element arranged within the U-shaped opening, and a scoring pin for insertion within the selected opening and adapted to depress one end of the flexible element and project the opposite end above the upper surface of the board.

2. A scoring device comprising a board having longitudinal rows of scoring openings passing through its upper surface, said board having a U-shaped tubular guide, the opposite ends of the tubular guide passing through the upper surface of the board, one end of the U-shaped tubular guide being assembled with one row of openings to form an end opening, a coil spring slidably mounted within the U-shaped tubular guide, and a scoring pin for insertion within the openings and adapted when inserted within the end opening to depress one end of the coil spring and project its opposite end above the upper surface of the board.

3. A scoring device comprising a board provided with a pair of rows of openings, passing through its upper face, a U-shaped tube secured to the board and having its opposite ends arranged adjacent to the upper face, one end of the tube being assembled with the openings in one row to form an end opening of such row, a coil spring slidably mounted within the U-shaped tube, an element secured to one end of the coil spring and adapted to enter the tube, an element secured to the opposite end of the coil spring and incapable of entering the tube, and a scoring pin for insertion within the openings and adapted when inserted into said end opening to move the first named element downwardly within the tube and to project the opposite end of the spring above the upper face of the board.

4. A scoring device comprising a board having openings passing through its surface, said board having a generally U-shaped opening passing through said surface, one end of the generally U-shaped opening being assembled with the first named openings and forming therewith a selected opening, a signal element mounted for longitudinal movement within the generally U-shaped opening, and a scoring pin for insertion within the selected opening and adapted to engage with the signal element and to thereby move the signal element longitudinally within the generally U-shaped opening and to project said signal element outwardly beyond the other end of the generally U-shaped opening.

5. A scoring device comprising a body having a generally U-shaped opening, the ends of the opening passing through the same surface of the body, and a flexible signal element longitudinally movably mounted within the generally U-shaped opening, the flexible signal element being of such a length that when one end of the same is depressed by a pin inserted into one end of the opening to engage with one end of the flexible signal element and move the signal element longitudinally within the generally U-shaped opening the opposite end of the flexible signal element will be projected beyond the opposite end of the generally U-shaped opening.

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