Aug. 29, 1961 T. L. McSHANE 2,998,251

SHUFFLEBOARD DISC WAXING DEVICE

Filed May 16, 1960

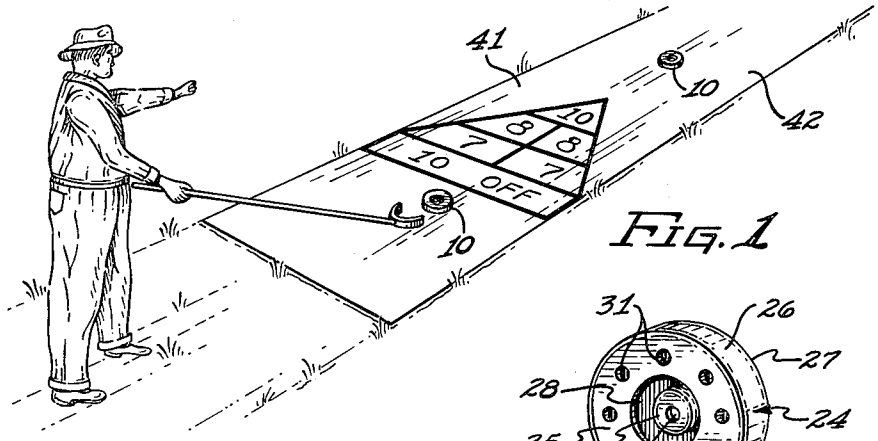


FIG. 1

FIG. 5

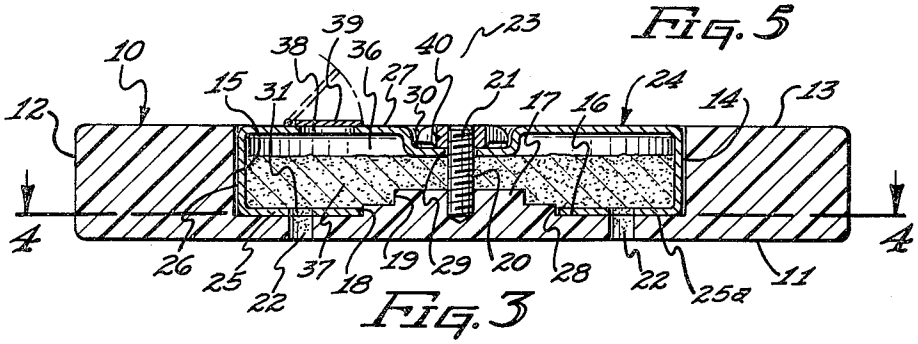


FIG. 3

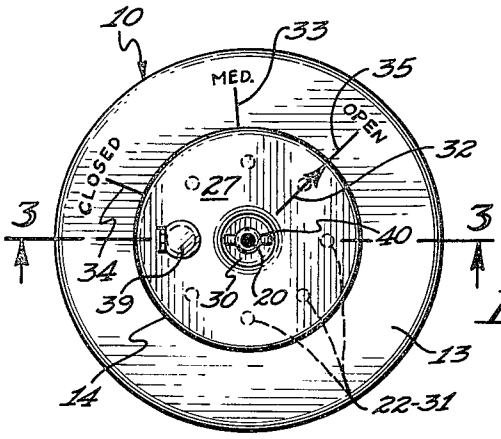


FIG. 2

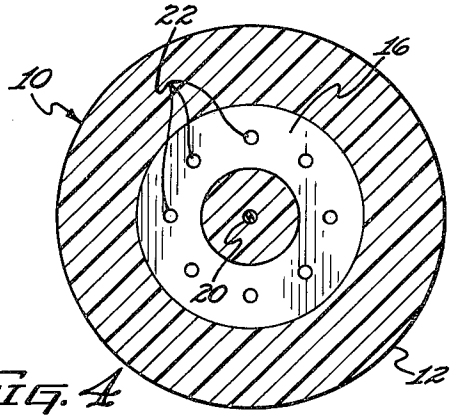


FIG. 4

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SHUFFLEBOARD DISC WAXING DEVICE

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This invention pertains to improvements in a shuffleboard disc waxing device and is particularly directed to a self-contained apparatus within the disc for distributing wax on the underside sliding surface of the disc when in use.

One of the objects of this invention is to provide a self-contained wax distributing device for the sliding surface of a shuffleboard disc located within the disc itself.

Another object of this invention is to provide a wax distributing device within a shuffleboard disc which may be adjusted for any amount of discharge of the wax on the sliding surface of the disc.

A further object of this invention is to provide a shuffleboard disc with a wax dispenser therein which applies the wax directly under the sliding surface of the disc as it glides over the surface of the shuffleboard court.

Further features and advantages of this invention will appear from a detailed description of the drawings in which:

FIG. 1 is a general perspective view of a shuffleboard court showing the shuffleboard disc of this invention in use.

FIG. 2 is a plan view of a shuffleboard disc incorporating the features of this invention.

FIG. 3 is a sectional view on the line 3—3 of FIG. 2.

FIG. 4 is a sectional view on the line 4—4 of FIG. 3.

FIG. 5 is a perspective view of the adjustable container for regulating the flow of wax to the underside of the disc.

As an example of one embodiment of this invention, there is shown a shuffleboard disc **10** having a bottom sliding surface **11**, a peripheral surface **12**, and the top surface **13**. The disc **10** is provided with the centrally positioned recess **14** formed by the bore **15** and the radially disposed bore bottom surface **16**. Centrally of the bore **15** is formed a boss **17** comprising the larger diameter portion **18** on top of which is located the smaller diameter portion **19**, both of which are formed integral with the shuffleboard disc **10**. An upstanding stud **20** is fixed in the boss centrally of the bore **15** and has a threaded upper end portion **21**. A series of circumferentially spaced discharge holes **22** are radially disposed about the axis **23** of the bore **15** and open outwardly in the bottom surface **11** of the disc **10**.

A wax supply and feed member **24**, FIG. 5, is provided in the centrally positioned recess **14** and comprises a bottom **25**, a peripheral side **26** and a top **27**. The bottom has a large centrally positioned perforation **28** which closely fits around the large diameter portion **18** of the boss **17** while the top **27** has a hole **29** located in a recessed portion **30** in the top so as to support the wax supply and feed member **24** for rotation about the axis **23** of the disc with the bottom surface **25***a* of the member **24** in sliding contact with the bore bottom surface **16** of the disc **10**.

Formed in the bottom **25** of the wax supply and feed member **24** are a series of discharge ports **31** of the same circumferential spacing and radial distance from the axis **23** as the discharge holes **22** so that by appropriate rotation of the member **24** ports **31** may be brought into full register with the discharge holes **22** or to any partial degree of register therewith or completely cut off the discharge holes **22** as desired. The degree of closure is indicated by the position of the arrow **32** on the top **27** of the member **24** in relation to the indicator lines **33**, **34** and **35**, as best shown in FIG. 2.

The wax supply and feed member **24** has an inner chamber **36** which may be filled with a suitable wax-like or other similar material **37**, preferably in powdered form, through a filler opening **38** having a suitable closure cover **39**. A thumb nut **40** carried on the threaded upper end portion **21** of the stud **20** serves to secure the member **24** to the disc **10** and to lock the member **24** in desired rotary positions of discharge through ports **31**—**22** as shown by indicating lines **32**—**33**—**34** for the proper discharge of the wax on to the playing surface **41** of a shuffleboard court **42**. Thus, the wax may be fed at any desired rate (or completely cut off) through the discharge holes **22** directly between the bottom sliding surface **11** of the disc **10** and the playing surface **41** of the shuffleboard court **42** as the disc is slid over the court during play.

While the apparatus herein disclosed and described constitutes a preferred form of the invention, it is also to be understood that the apparatus is capable of mechanical alteration without departing from the spirit of the invention and that such mechanical arrangement and commercial adaptation as fall within the scope of the appendent claims are intended to be included herein.

Having thus fully set forth and described this invention what is claimed and desired to be obtained by United States Letters Patent is:

1. A shuffleboard disc having, a bottom sliding surface adapted to slidably support said disc on a shuffleboard court surface, a peripheral surface on said disc extending upwardly from said bottom sliding surface, and a top horizontal surface spaced from and parallel to said bottom sliding surface, a centrally positioned circular recess coaxially positioned relative to said peripheral surface formed by a bore extending downwardly from said top surface and terminating at its lower end at a radially disposed horizontal bore bottom surface positioned parallel to said top and bottom surfaces of said disc, a boss formed on said disc coaxially positioned relative to said downwardly extending bore comprising a larger diameter portion adjacent the bottom of said downwardly extending bore and a smaller upstanding diameter portion located above said larger diameter portion, an upstanding threaded stud fixed in said disc and located coaxially of said boss, said bottom of said downwardly extending bore including a series of circumferentially spaced discharge holes radially disposed coaxially of said disc and extending through the bottom sliding surface of said disc, a wax supply and feed member located in said circular recess of said recess and having a peripheral upwardly extending side terminating with a top, said bottom of said wax supply and feed member including a large centrally positioned perforation journaled on said larger diameter portion of said boss and a hole in said top of said wax supply and feed member journaled on said upstanding stud so as to rotatably support said wax supply and feed member for rotation about the axis of said disc, said wax supply and feed member including a series of discharge ports formed through the bottom thereof having the same circumferential spacing and radial position from the axis

of said disc as said discharge holes in the bottom of said disc so that rotation of said wax supply and feed member relative to said disc said discharge ports and discharge holes are adapted to be brought into full register and any partial degree of register to regulate the flow of wax from the interior of said wax supply and feed member out through said discharge holes and over the bottom sliding surface of said disc, and means on said threaded stud to lock said wax supply and feed member against rotation on said disc.

2. A shuffleboard disc as set forth in claim 1 wherein the top of said wax supply and feed member is located in the plane of the top surface of said disc.

3. A shuffleboard disc as set forth in claim 1 wherein there is provided an indicating pointer on the top of said wax supply and feed member indicatively related to indicia on the top surface of said disc to indicate the degree of register between said discharge ports in said wax supply and feed member and the discharge openings in the bottom of said disc.

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