Jan. 31, 1939. H. RUBIN 2,145,434

GAME BOARD

Filed July 15, 1938

FIG. 1

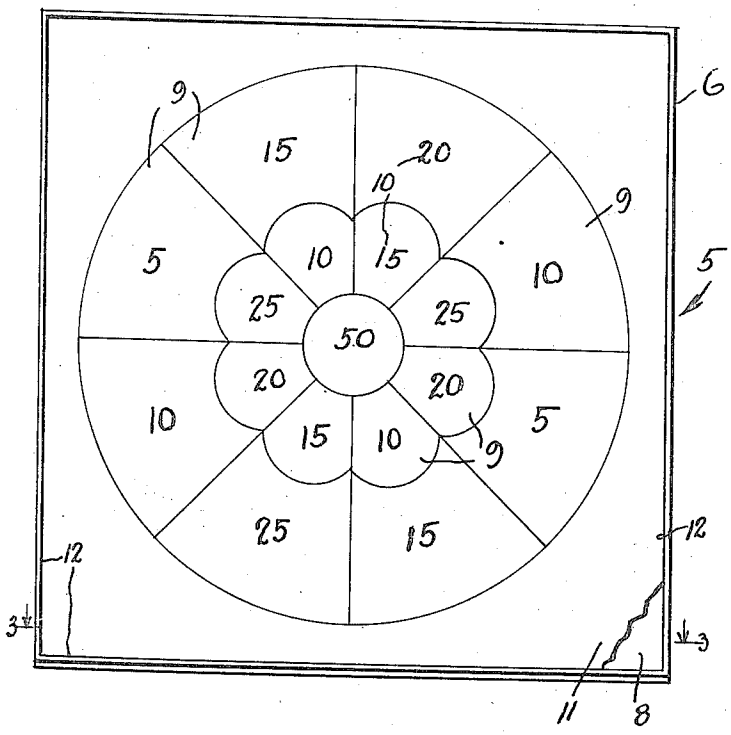


FIG. 2

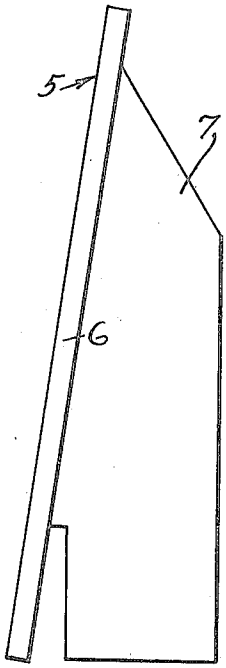


FIG. 3

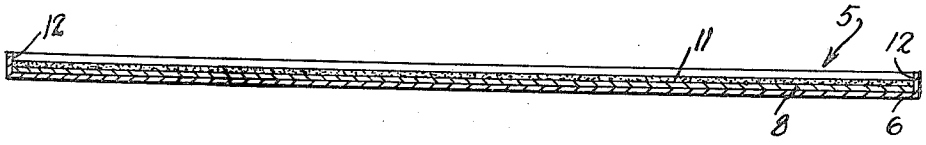
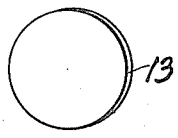


FIG. 4



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UNITED STATES PATENT OFFICE

2,145,434

GAME BOARD

Herbert Rubin, New York, N. Y.

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4 Claims. (Cl. 273—102)

This invention relates to games and game boards, and to the method of making said boards, and has for one of its objects the provision of a board of this nature having a tacky or adhesive surface to which any missile or projectile employed in playing the game will adhere wherever it strikes.

Another object of the invention is the provision of such a game board comprising a base or plate divided into a plurality of areas of varying numerical values, the said plate having a film or coating of a suitable adhesive, so that a missile or projectile thrown by a player will adhere to the adhesive surface where it strikes without rolling off therefrom.

Other objects and novel features of my invention will become more apparent as the description proceeds.

The disclosure made the basis of exemplifying the present inventive concept suggests a practical embodiment thereof, but the invention is not to be restricted to the exact details of this disclosure, and the latter, therefore, is to be understood from an illustrative, rather than a restrictive standpoint.

In the accompanying drawing, wherein similar reference characters are used to describe corresponding parts throughout the several views;

Figure 1 is a front view of my improved game board;

Figure 2 is a side view thereof;

Figure 3 is a sectional view at an enlarged scale, taken on line 3—3 Fig. 1, and

Figure 4 is a perspective view of one form of missile or projectile used in connection with my improved game board.

Referring now to the drawing in detail 5 indicates a game board, which preferably comprises a traylike frame 6 with an easel 7 for supporting the game board when in use. The said easel may be of any conventional construction which may be folded back upon the tray when not in use or when the game board is being shipped. A separate easel may, however, be employed.

Within the tray 6 there may be provided a sheet 8 which may be made of paper, cardboard, metal or other suitable material, and which may be divided into a plurality of scoring areas 9 each of which has printed thereon numerical indicia 10 to indicate the various numerical scoring values of the respective areas. The surface of the sheet 8 is provided with an adhesive film or coating 11 to provide a tacky surface to which a suitable projectile 13 may adhere when thrown thereon by a player.

The adhesive coating 11 is produced by the use of an organic film forming base comprising approximately

	Percent
Animal glue	79.5
Glycerine	20.0
Phenol	0.5

which may be produced in solid form and to which there is added an equal quantity by weight of glycerine or any other suitable plasticizing agent and one half the amount of water. In other words, for every pound of the solid or base material a pound of glycerine and a half pound of water is added. When thus mixed in a kettle or double boiler, the mixture is liquefied by applying heat thereto. When the liquid reaches the temperature of approximately 160° Fahrenheit it is ready to be applied to the surface of the board.

The organic film forming base used is especially adapted for the purpose intended, as it is a suitable vehicle for carrying the addition of hygroscopic compounds, such as glycerine, sorbitol, glycol, etc., which are added to the base for the purpose of obtaining surface tackiness, to prevent discs or other small objects used as projectiles, from sliding, or slipping on the surface of the game board, when projected thereon.

The composition of the base, and the hygroscopic substances, is of such proportions that the resultant mixture will not become too sticky in humid weather, or too dry or hard in dry weather, and the film will always remain in a semi-soluble condition, so that if upon storage it should become somewhat dehydrated, the proper tackiness may be restored by the application of a small amount of moisture to the surface thereof by means of a sponge, damp cloth or other substance.

The proportions of the ingredients used in producing the film-forming substance may be somewhat varied for the different climates.

In some instances instead of the film-forming base given above I may use a film-forming base comprising hide or bone glue or any other organic material of gelatinous nature and approximately 20% glycerine or any other non-volatile plasticizing agent from the class of polyhydroxy alcohols, such as, for instance, sorbitol, diethylene glycol, plus phenol or any preserving bactericidal agent soluble in glycerine or polyhydroxy alcohol.

In practice, the kettle or boiler containing the film-forming mixture is provided with a tap or faucet through which a sufficient amount of the said mixture may be drawn and permitted to flow upon the surface of the game board to form a

coating of suitable thickness, the side walls 12 of the tray preventing the liquid from flowing off the board.

Instead of using the sheet 8, the bottom wall of the tray 6 may be utilized instead.

The film-forming material is preferably transparent so that it may be applied upon pictured, printed or otherwise decorated surfaces, but in some cases it may be made either partly transparent or entirely opaque by the addition of suitable coloring matter or pigments, such as zinc oxide or the like.

The surface of the board as prepared with the above material will not be objectionably sticky to the fingers but, nevertheless, suitable objects, in the form of disks, coins, balls, cubes, etc., will adhere thereto when projected thereon.

The board may be arranged with a great variety of designs so that various games may be played by one or more players. Instead of using a tray 6, as shown in the drawing, an ordinary flat base, either of metal, cardboard, glass or other material, suitably decorated for playing games, may be employed, upon which my improved tacky playing surface can be applied.

From the foregoing it will be seen that I have provided a game board having a playing surface divided into a plurality of areas of varying numerical values, the said surface being covered by a tacky film to which the darts or projectiles forming a part of the game, will adhere when projected thereon.

Having described my invention, what I claim as new and desire to secure by Letters Patent is:

1. A game board comprising a sheet of material having a playing surface divided into a plurality of scoring areas, a tacky film-forming coating overlying the playing surface, and objects adapted to be projected towards the playing surface and adhere to the tacky coating without penetrating the same.

2. A game board comprising a body having a front face constituting a playing surface and provided with distinctive areas, means for supporting said body in an upright position, a tacky coating overlying the playing surface, and flat-sided game pieces adapted to be projected towards the playing surface and adhere to the tacky coating without penetrating the same.

3. A game board comprising a sheet of material having a playing surface provided with a plurality of scoring areas, a tacky coating overlying the playing surface, and a flat-sided game piece adapted to be projected towards the playing surface and adhere to the tacky coating without penetrating the same.

4. A game board comprising a sheet of material having a playing surface provided with a plurality of scoring areas, a tacky coating overlying the playing surface, and a game piece adapted to be projected towards the playing surface and being of a weight to adhere to the tacky coating without penetrating the same, said coating comprising a mixture consisting of equal quantities by weight of a plasticizing agent and a glue product comprising approximately 79.5% animal glue, 20% glycerine, and 0.5% phenol, and one-half the amount by weight of water of either the glue product or the plasticizing agent, whereby the game piece will adhere to the tacky coating and may be detached therefrom without the tacky coating adhering to the detached game piece.

HERBERT RUBIN.