June 20, 1939. P. B. McCONNELL 2,163,309

COASTER

Filed Nov. 26, 1937

Fig. 1.

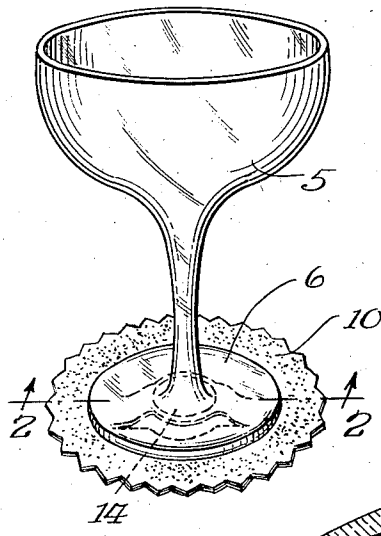
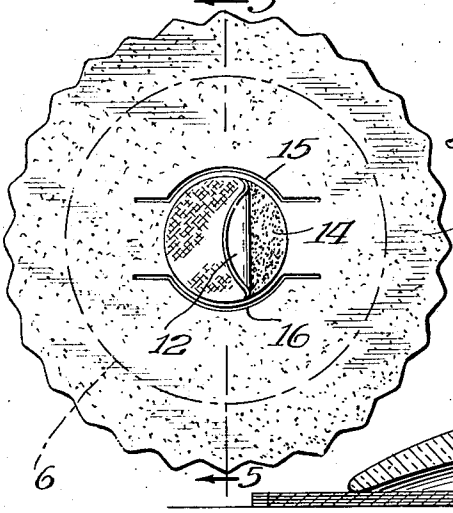


Fig. 2.

Fig. 4.



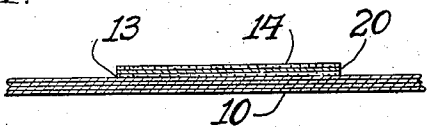


Fig. 6.

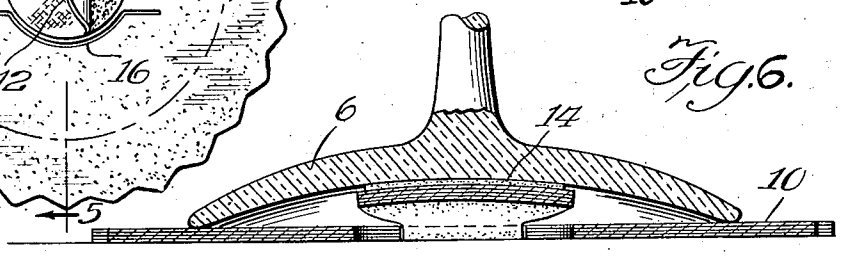


Fig. 3.

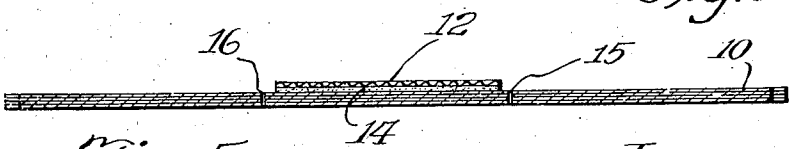


Fig. 5.

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Patented June 20, 1939 2,163,309

UNITED STATES PATENT OFFICE

2,163,309

COASTER

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Application November 26, 1937, Serial No. 176,591

2 Claims. (Cl. 65—53)

This invention relates to coasters adapted to be affixed by pressing same to the foot portion of goblets, glasses, bottles, and similar drinking receptacles to prevent liquid overflow or moisture condensate thereon from soiling linen, table tops or the hands and clothing of the person using such receptacles.

Low cost of manufacture, simplicity of construction, and efficiency in performing the intended protecting function are among the objects and advantages of the invention.

By this invention a satisfactory protecting device of sheet material is provided at such low cost that it may readily be sold, like an ordinary paper napkin, for being used a single time and then discarded.

One of the principal objects of the present invention is to provide an absorbent coaster of extreme simplicity, and one that remains attached to the glass as long as desired, and from which it can be removed and reapplied to the same or other glass.

The coaster is easily and quickly applied to the foot of the glass and provides a base for the glass of considerably larger area. The glass is thus less liable to upset or be tilted and if a small amount of its contents should drip over they will be taken up by the absorbent coaster. Owing to the fact that long stemmed glasses are liable to tip over easily considerable breakage is also prevented.

Other objects, advantages and features of the invention will hereinafter be described.

Referring to the accompanying drawing, which illustrates a preferred embodiment of the invention,

Figure 1 is a perspective view of the coaster applied to the base portion of a goblet,

Fig. 2 is an enlarged fragmental sectional view taken on line 2—2 of Fig. 1,

Fig. 3 is an enlarged fragmental sectional view taken on line 3—3 of Figure 2,

Figure 4 is a plan view of the coaster showing the cover strip in partially peeled condition,

Figure 5 is an enlarged sectional view taken on lines 5—5 of Figure 4,

Figure 6 is a fragmental cross sectional view of a modified form of the invention.

Referring to the drawing, the coaster comprises a disc-like base 10 of paper having any suitable contour provided with a coated area 10 of a suitable pressure sensitive adhesive.

The area coated with adhesive may be of any suitable contour. For example, it may be circular in shape as illustrated in Figure 4. A peelable cover strip 12 is applied to the adhesive coated area preferably having a corresponding contour and coextensive area. The cover strip may be made of holland cloth, glassine, parchment paper, Cellophane and the like and is readily peelable from the adhesive coating 14.

Slits 15 and 16 are provided in the base sheet as shown in Figure 4 adjacent the adhesive coated area 4 so as to provide a yieldable portion in the base 10 between the said slits.

In using the coaster, the cover strip 12 is peeled off and the adhesive area 14 is simply pressed by the fingers against the base 6 of the goblet as shown in Figures 1 and 2. The slits 15 and 16 provide a yieldable portion in base 10 thereby permitting the adhesive area 14 to be pressed against the concave face of the goblet base 6 so as to bring the adhesive area 10 into full contact with the base.

I prefer to use a base made of highly absorbent soft paper such as ordinary paper napkin stock, several layers being joined together for this purpose so as to ensure absorption of any liquids which may drip thereon. If desired, the upper layer may be more absorbent than the layers therebeneath. The base sheet may be printed or ornamented in any suitable manner on either one or both sides. The base sheet may also be made of cloth, thin veneer, Cellophane, metal foils, Bakelite or other available thin sheet materials. The advantage in using paper coasters is that they can be thrown away after being used once. However, if more expensive base materials are used the coasters can be readily removed from the receptacles and reaffixed by simply pressing same to the same or other glasses or receptacles.

Any suitable pressure sensitive normally tacky adhesive composition may be used for coating an area of the base sheet of paper or other material. I prefer to use a hot melt composition such as disclosed in application Serial No. 98,978. Such composition is thermoplastic and consists essentially of an adhesive agent, a cohesive agent, a modifier and a common thermoplastic non-volatile solvent for these agents.

The following composition, for example, is suitable for coating paper:

	Per cent by weight
Rubber	15
Vistanex (isobutylene polymer)	15
Amorphous paraffin wax (M. P. 155° F.)	19
Methyl abietate	25
Ester gum	25
Glycerine	0.5
Hydroquinone	0.5

The composition is heated to about 180–200° F. and is applied by any suitable means on the paper, such as by a hot roll.

Instead of applying the pressure sensitive adhesive directly to the base sheet I may provide thin paper 20 coated on both faces with pressure sensitive adhesive as shown in Figure 6 and cut

therefrom portions of suitable area and contour, and press one face 13 of same against the base sheet 10 so as to retain same on the base sheet thereby providing an exposed pressure sensitive adhesive area 14 on the other face for affixing the coaster to a glass or other container. I may also provide a sheet coated with water soluble glue on one face and pressure sensitive adhesive on the other face. Discs or other suitably shaped portions are cut out from this paper which are affixed to the base sheet 10 by moistening the glue coated face and affixing same to the base sheet thereby providing an exposed pressure sensitive area on the base sheet.

In accordance with the invention I provide a coaster which is attachable to a glass or the like by simply pressing same into place. It can be readily removed from the glass by merely peeling it off and it will not foul the surface of the glass or other receptacle to which it may be attached without fouling, marring or leaving a residue of the adhesive.

It is obvious that numerous changes and modifications may be made in the details of the invention which are intended to be included in the appended claims.

I claim:

1. A removable and reusable coaster for drinking glasses and the like, comprising a base sheet of absorbent paper having an area thereof coated with a pressure sensitive normally tacky adhesive for removably affixing the coaster to a glass and the like and a peelable cover strip protecting said adhesive coating area.

2. A removable and reusable coaster for drinking glasses and the like, comprising a base sheet of absorbent paper, spaced slits in said base sheet forming a yieldable portion in said base sheet, a coating of pressure sensitive normally tacky adhesive provided in said yieldable portion for removably affixing the coaster to a glass and the like.

PALMER B. McCONNELL.