

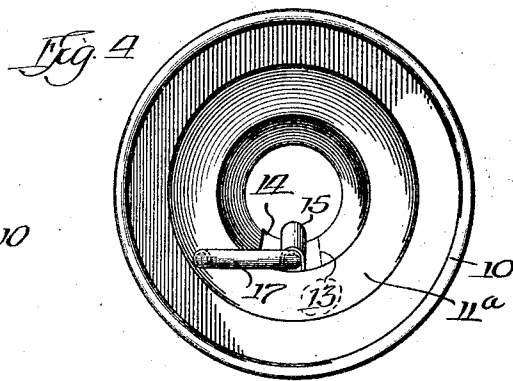
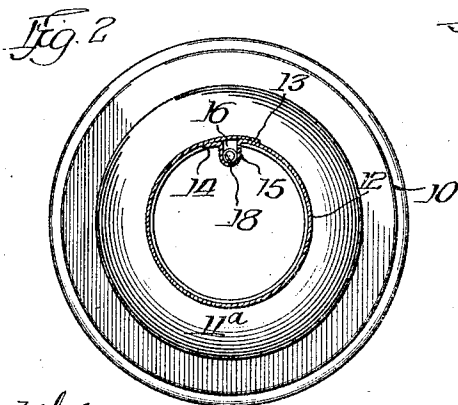
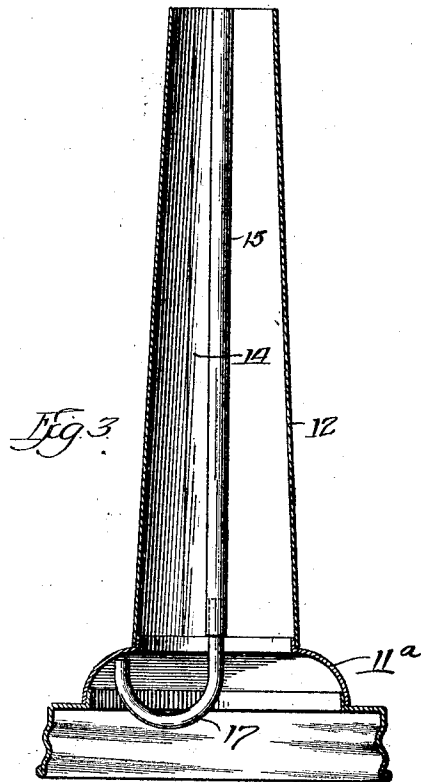
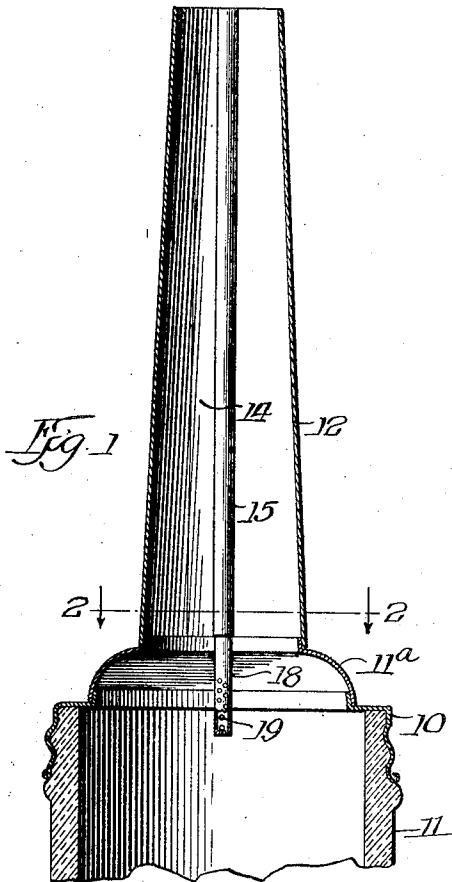
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W. NEIL

POURING SPOUT

Filed June 25, 1924



Witness:

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UNITED STATES PATENT OFFICE.

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POURING SPOUT.

Application filed June 25, 1924. Serial No. 722,225.

To all whom it may concern:

Be it known that I, WILLIAM NEIL, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Pouring Spouts, of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

The invention relates to pouring spouts and particularly to that type which are provided with a means through which air is introduced into the receptacle while pouring the material from the receptacle to thereby facilitate draining of the receptacle.

The invention has as its prime object the provision of a construction such as that above referred to having the air passage formed of the material of which the spout is formed.

It is an additional feature of the invention to construct the spout of sheet material and to form a part of the material with a groove or recess the latter being closed by a portion of the spout which overlaps the grooved or recessed part to thereby form the passage whereby air is introduced into the receptacle while the fluid is being drained from the receptacle.

It is a further object to provide a construction such as above referred to with a tubular element which is inserted into the tubular passage thus formed, said element being provided for the purpose of insuring the introduction of air into the receptacle without interference by the fluid being drained from the receptacle.

The invention will be explained in conjunction with the accompanying drawings which illustrate one embodiment of the invention, it being obvious however that changes and modifications may be resorted to without departing from the spirit of the appended claims forming a part hereof.

Referring to the drawings Fig. 1 is a central vertical section of a spout constructed according to one embodiment of the invention.

Fig. 2 is a section taken on the line 2—2 of Fig. 1 looking in the direction of the arrows.

Fig. 3 is a view similar to Fig. 1 showing a modified arrangement which may be employed, and

Fig. 4 is a bottom plan view of the structure illustrated in Fig. 3.

The embodiment of the invention illustrated in the drawings contemplates a construction having a screw-threaded portion 10 whereby the device may be detachably secured to a receptacle 11 from which the fluid is to be drained. The screw-threaded portion 10 has secured to it an annular portion 11^a from which the spout 12 projects.

The material of which the spout 12 is formed is in the present construction of a suitable shaped sheet of material the adjacent edges 13 and 14 thereof overlapping each other so as to complete the tube, it being of course understood that these edges are soldered together or otherwise secured so as to prevent opening at the seam thus formed. The edge 14 is provided with a channel shaped depression or recess 15 which extends throughout substantially the entire length of the tubular spout portion 12. The portion 13 of the sheet overlaps the opening such as 16 of the channel shaped part and thus completes the air passage whereby air is introduced into the interior of the receptacle 11 during the pouring operation.

As illustrated in Figs. 1 and 3 the tubular passage may have a tubular extension such as 17 or 18 suitably secured thereto which may be either bent to form the goose neck as illustrated in Fig. 3 or provided with the perforations 19 illustrated in Fig. 1. These latter tubular portions 17 and 18 being provided for the purpose of at all times insuring the introduction of air into the receptacle 11 during the pouring operation as it is manifest that as the liquid passes the open end of the U-shaped tubular element 17 that this passage of the liquid will draw air through the air passage of the spout and thereby facilitate pouring through said spout.

From the foregoing description it is manifest that a spout is provided having a tubular passage which extends substantially throughout the entire length of the spout and provides means whereby air may be introduced into the receptacle to thereby facilitate the pouring or draining of the material from the receptacle.

It is further evident that the tubular passage is formed of the material of which the spout is formed.

It is further manifest that by forming the passage by providing a recessed part which is closed by an overlapping portion of the material forming the spout that an extremely simple and cheap yet efficient structure is provided for accomplishing the desired ends.

Having thus described the invention what I claim and desire to cover by Letters Patent is:

1. A spout formed of a sheet of material which is bent to form a tube through which liquid may be poured from a receptacle with which the spout is associated, said sheet being also formed to provide a longitudinally arranged air passage, one end of which opens into that end of the tube from which the liquid is emitted to thereby cause any liquid entering the passage to be discharged through the discharge end of said spout and a tubular element, one end of which is inserted into one end of said passage and extends therefrom with its opposite end terminating in spaced relation

to a part of the spout to allow liquid to pass over said last mentioned end of the tubular element.

2. A spout formed of a sheet of material which is bent to form a tube through which liquid may be poured from a receptacle with which the spout is associated, said sheet being also formed to provide a longitudinally arranged air passage one end of which opens into that end of the tube from which the liquid is emitted to thereby cause any liquid entering the passage to be discharged through the discharge end of said spout and a U-shaped tubular element extending from one end of said passage toward the interior of the receptacle and having an end which terminates adjacent and in spaced relation to a portion of the spout to allow liquid to pass over said last mentioned end of said tubular element.

In witness whereof, I hereunto subscribe my name this 6th day of June A. D., 1924.

WILLIAM NEIL.