

May 24, 1938.

R. J. SPIELVOGEL

2,118,366

PUNCH SPOUT

Filed April 5, 1937

2 Sheets-Sheet 1

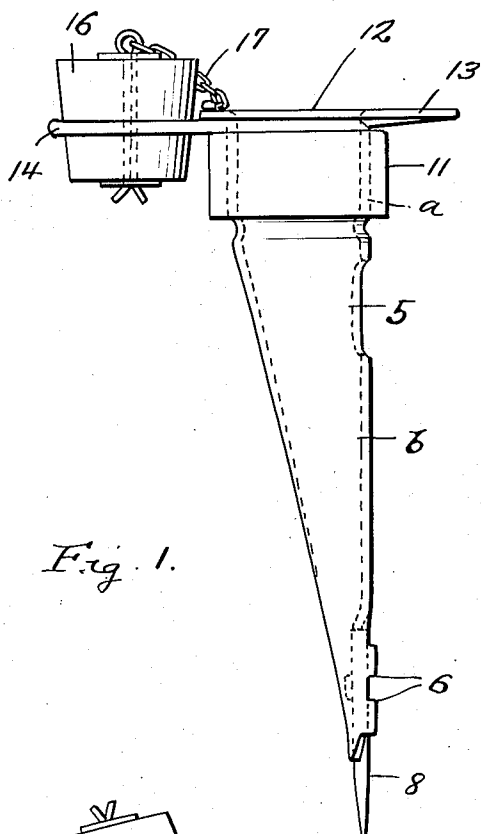


Fig. 1.

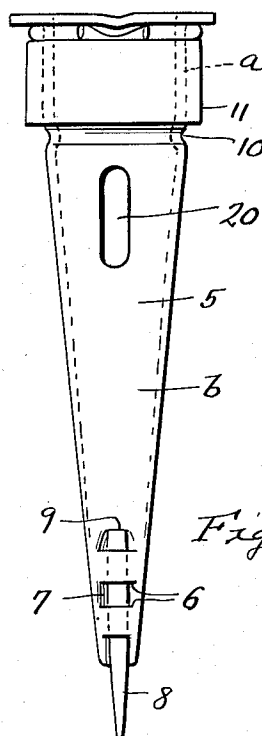


Fig. 2.

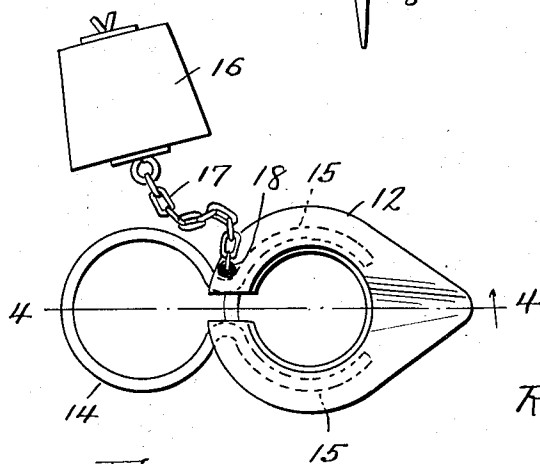


Fig. 3.

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2 Sheets-Sheet 2

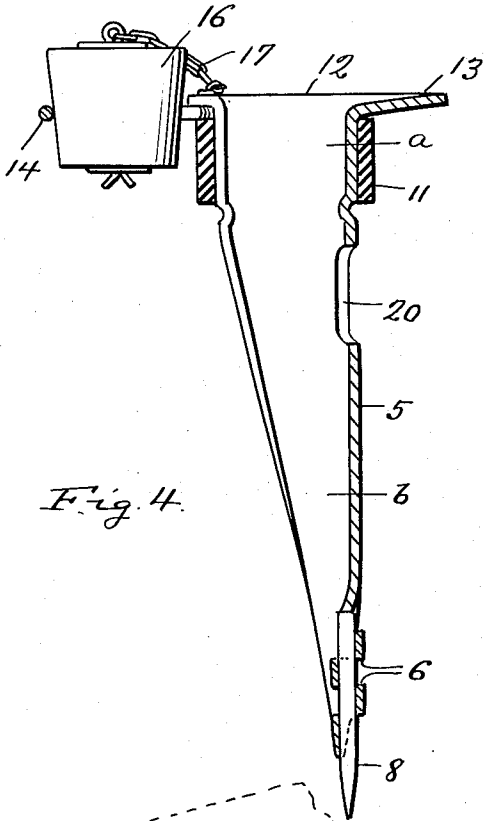


Fig. 4.

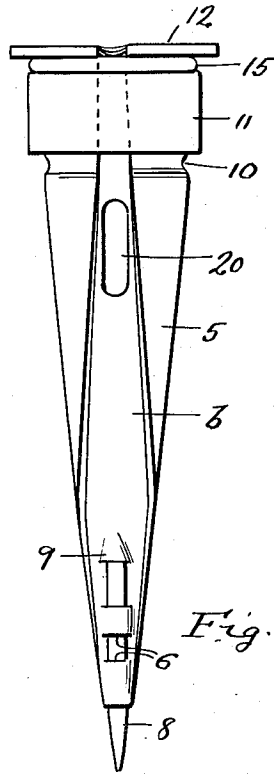


Fig. 5.

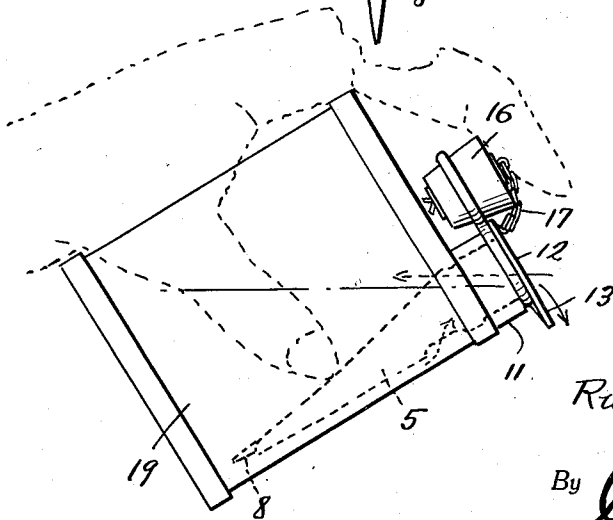


Fig. 6.

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UNITED STATES PATENT OFFICE

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PUNCH SPOUT

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Application April 5, 1937, Serial No. 135,202

2 Claims. (Cl. 221-23)

This invention appertains to new and useful improvements in means for punching and providing a spout for various types of cans containing liquid.

5 The principal object of the present invention is to provide a spout for cans in the form of a punch which can be driven into the top of the can for simultaneously opening the can and affording a spout whereby the contents of the can can be conveniently poured therefrom.

Another important object of the invention is to provide a device of the character stated which is of simple construction and durable in use.

Other important objects and advantages of the invention will become apparent to the reader of the following specification.

In the drawings:—

Figure 1 represents a side elevational view of the device.

Figure 2 represents a front elevational view.

Figure 3 is a top plan view of the combination device.

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

Figure 5 is a rear side elevational view of the device.

Figure 6 represents a side elevational view of a can with the punch spout applied and the can shown in pouring position.

Referring to the drawings wherein like numerals designate like parts, it can be seen that numeral 5 denotes the punch body which is constructed from a triangular sheet of metal, the same being rolled to form the substantially tubular portion *a* and the tapered portion *b*, the tapered portion serving as the can opening part of the device. The reduced lower end of the punch is provided with a plurality of transversely extending slits 6 and the area of the punch 5 between certain of the slits is punched inwardly to form a groove 7 for the reception of the drive pin 8, the upper end of the groove 7 terminating in a shoulder 9 against which the upper end of the pin 8 abuts.

At the lower end of the cylindrical portion *a* the punch is provided with a circumferential extending groove 10 into which the edge portion of the can at the punched opening will engage. A cushion collar 11 is provided around the cylindrical portion *a* so as to slide against the

can and prevent leakage around the opening therein.

The upper portion of the cylindrical portion *a* is flanged outwardly as at 12 and a portion of this flange 12 is wider than the remaining portion to provide the pouring lip 13.

A split ring 14 has its end portion extended laterally and bent arcuately as at 15 to engage around the upper portion of the cylindrical part *a* of the punch, the ring 14 serving as a holder for the stopper 16. A chain 17 extends from the stopper 16 to an anchor 18 on the flange 12. Obviously when the can 19 into which the punch 5 has been driven is out of use, the stopper 16 can be removed from the holder 14 and disposed into the cylindrical portion *a* thus closing off the upper end of the plunger spout.

A breather slot 20 is provided in the upper portion of the punch 5 and this also serves to take in any remnant of the contents of the can.

While the foregoing specification sets forth the invention in specific terms, it is to be understood that numerous changes in the shape, size and materials may be resorted to without departing from the spirit and scope of the invention as claimed hereinafter.

What is claimed is:—

1. A punch spout comprising an elongated substantially tubular member tapered from the corner adjacent one end thereof to the opposite end thereof, said tubular structure being provided with a pointed extension at the last-mentioned end, said pointed extension consisting of a removable pin on the reduced end of the tubular structure, the reduced end portion of the tubular structure being provided with transverse slits, the areas of the reduced end of the tubular structure between the slits being bulged laterally in opposite direction to provide a passageway for the reception of the pin.

2. A punch spout comprising an elongated substantially tubular member tapered from the corner adjacent one end thereof to the opposite end thereof, said tubular structure being provided with a pointed extension at the last-mentioned end, and a stopper for the other end of the tubular structure, the last-mentioned end of the tubular structure being provided with a laterally disposed pouring lip.

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