

F. HENNAUT.
POWDER CAN SPOUT.
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1,085,335.

Patented Jan. 27, 1914.

Fig. 1.

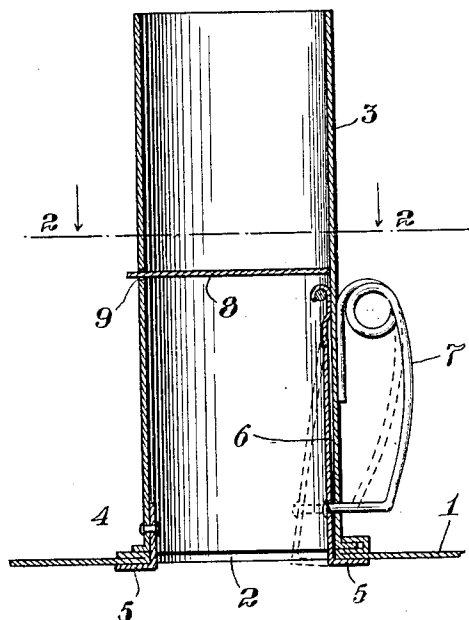
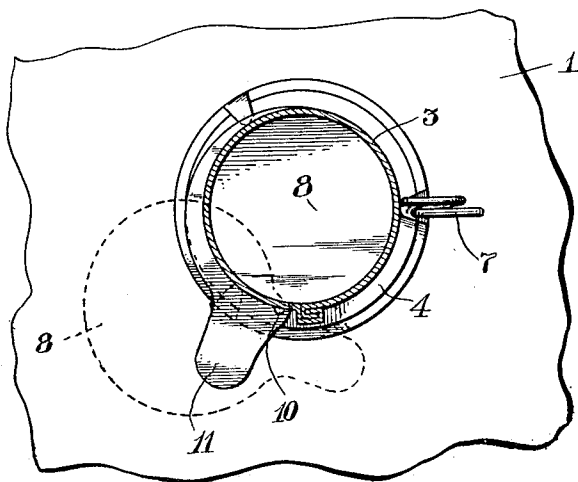


Fig. 2.



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UNITED STATES PATENT OFFICE.

FERDINAND HENNAUT, OF WESTVILLE, ILLINOIS.

POWDER-CAN SPOUT.

1,085,335.

Specification of Letters Patent.

Patented Jan. 27, 1914.

Application filed August 17, 1912. Serial No. 715,621.

To all whom it may concern:

Be it known that I, FERDINAND HENNAUT, a citizen of the United States of America, residing at Westville, Illinois, have invented
5 new and useful Improvements in Powder-Can Spouts, of which the following is a specification.

This invention relates to spouts for powder cans, and more especially to detachable
10 spouts.

One of the objects of the invention is to provide a device of this character, which may be easily placed in position on the can, or removed therefrom, as desired.

15 Another object is to provide a spout which will prevent sparks from accidentally entering the powder-can while the powder is being poured out of the can, and also to prevent sparks entering the can when the
20 same is not in use.

Another object is to provide a device of this character which is simple, and which is inexpensive to manufacture.

Other objects will in part be obvious, and
25 in part be pointed out hereinafter.

In the accompanying drawings, showing an illustrative embodiment of this invention, and in which the same reference numeral refers to similar parts in the several figures, Figure 1 is a vertical section
30 of the device showing it affixed to the top of a can, and Fig. 2 is a sectional view taken on the line 2—2, Fig. 1.

Referring to the drawings, 1 indicates the
35 can-top provided with the usual opening 2, through which the powder is adapted to be poured, which opening, of course, is usually closed by a closure of any suitable form, not shown in the drawing. The spout consists
40 of a tubular member 3, provided at its bottom with an outwardly extending flange 4, adapted to rest upon the upper surface of the can-top 1. The spout may, of course, be made of any suitable substance, being preferably formed of galvanized metal. In
45 order to hold the spout in position, it is provided with a gripping member 5, secured to the tubular member 3 adjacent to the lower edge thereof, and provided with an
50 outwardly extending portion adapted to engage the inner surface of the can-cover, thereby co-acting with the flange 4 to grip the can-cover, as clearly shown in Fig. 1. A second gripping member 6 is provided,
55 which is pivotally secured at its upper end to the tubular member 3, and which has its

other end bent outwardly to engage the under surface of the can-cover, and grip the same between the bent end and the flange 4. In order to hold the gripping member 6 normally in its operative or gripping position,
60 a suitable spring 7 is provided, having one of its ends secured to the tubular member 3, and having its other end passing through an aperture in the tubular member, and rigidly
65 secured to the gripping member 6.

From the above description it will be understood that the spring 7 will normally hold the gripping member 6 in its operative position, as shown in solid lines in Fig. 1.
70 If it is desired to place the spout in position, the spring 7 is pressed inwardly to cause the parts to assume the position shown in dotted lines in Fig. 1. The spout is then placed in position on the can cover with the fixed
75 gripping member 5 engaging the under surface of the top of the can, and with the flange 4 resting upon the upper surface thereof, after which the pressure on the spring 7 is released, allowing it to assume
80 its normal position, automatically moving the gripping member 6 to its operative or gripping position.

In order to prevent a spark from accidentally entering the can when not in use,
85 or while filling a cartridge or the like, a shutter 8 is provided, adapted to enter a slot 9 formed in the tubular member 3, and extending throughout a portion of the circumference thereof. The shutter 8 is mounted
90 to rotate upon a pivot 10 secured to the outer surface of the tubular member 3, and is provided with an outwardly extending finger piece 11, by which it may be rotated to occupy its open or closed position. The shutter is
95 so shaped that when it is in its closed position, as shown in full lines in Fig. 2, it will completely obstruct the passage through the tubular member 3, thereby effectually preventing any sparks which may inadvertently
100 enter the tube from reaching the interior of the can. When it is desired to pour powder from the can, the shutter is rotated by means of the finger-piece 11, to assume the position shown in dotted lines in Fig. 2, in which
105 position the powder is free to pass from the can through the spout. If it is desired to remove the spout, it is merely necessary to press upon the spring 7, thereby releasing the gripping member 6, after which the
110 spout may be readily removed.

Having described this invention in con-

nection with the illustrative embodiment thereof, to the details of which disclosure the invention is not, of course, to be limited, what is claimed as new, and what is desired
5 to be secured by Letters Patent, is set forth in the appended claim.

I claim—

In a detachable spout, in combination, a tubular member provided with a flange at
10 its lower end adapted to engage the outer surface of the receptacle, a gripping member rigidly secured to said tubular member and provided with an outwardly extending portion adapted to engage the inner surface
15 of the receptacle, a second gripping member pivotally connected to said tubular mem-

ber and provided with an outwardly extending portion adapted to engage the inner surface of the receptacle, and a spring having one end connected to said tubular member 20 and the other end connected to said pivotally connected gripping member, said spring normally holding said gripping member in its operative position.

In testimony whereof I have signed my 25 name to this specification in the presence of two subscribing witnesses.

FERDINAND HENNAUT.

Witnesses:

ANTON WILKIS,
JULIA D. AMBROSE.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
