

No. 666,214.

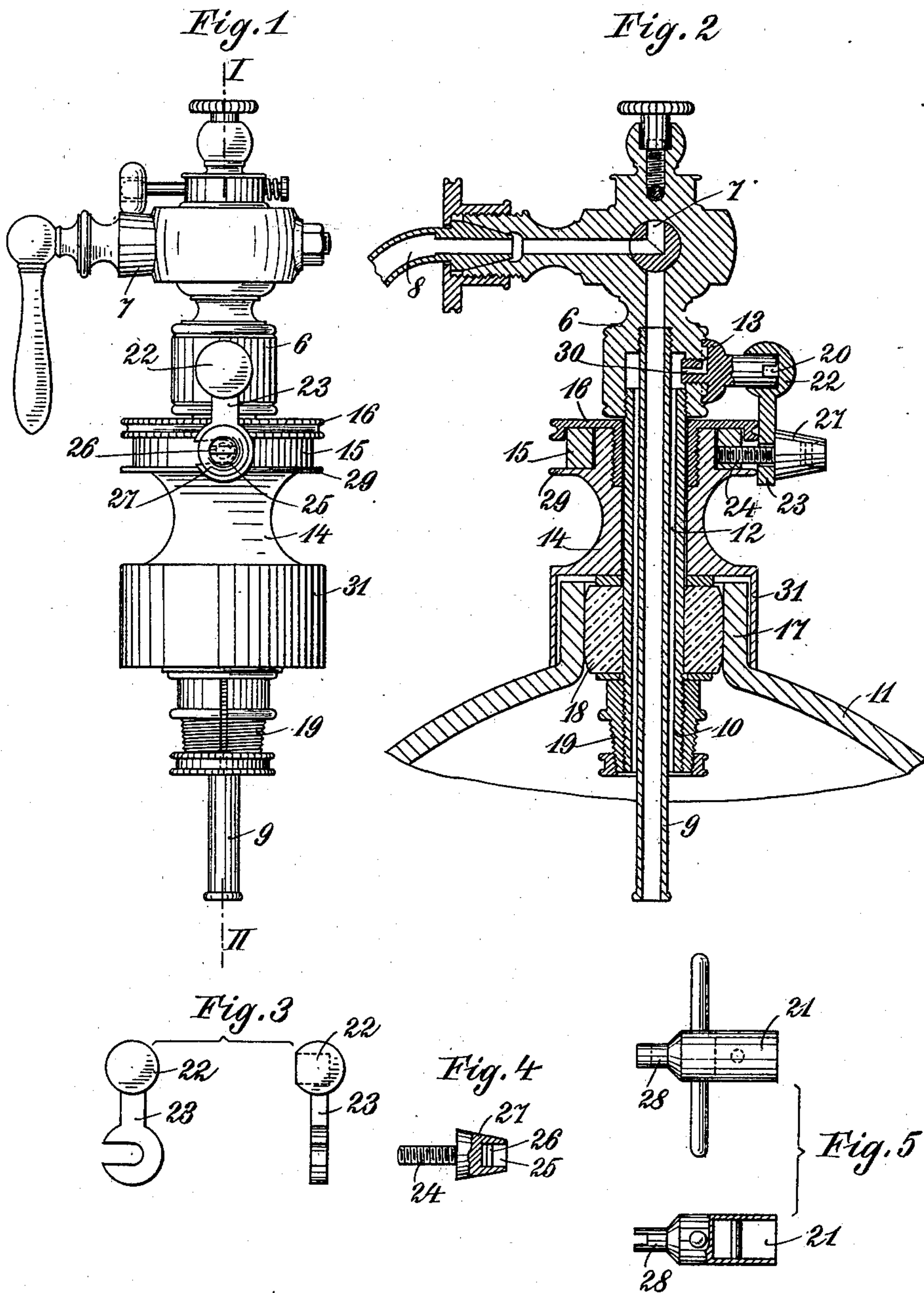
Patented Jan. 15, 1901.

H. VAN NIMWEGEN & J. J. BRUNS.

SIPHON FITTING.

(Application filed Mar. 7, 1900.)

(No Model.)



Witnesses:  
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# UNITED STATES PATENT OFFICE.

HERMANUS VAN NIMWEGEN AND JOHAN JACOB BRUNS, OF ARNHEM,  
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## SIPHON-FITTING.

SPECIFICATION forming part of Letters Patent No. 666,214, dated January 15, 1901.

Application filed March 7, 1900. Serial No. 7,751. (No model.)

*To all whom it may concern:*

Be it known that we, HERMANUS VAN NIMWEGEN, brewery manager, and JOHAN JACOB BRUNS, manufacturer, subjects of the Queen  
5 of the Netherlands, and residents of Vossen-  
straat 72, Arnhem, in the Kingdom of the  
Netherlands, have invented certain new and  
useful Improvements in or Relating to Siphon-  
Fittings for Aerated-Water Siphons or the  
10 Like, of which the following is a specification.

The present invention relates to an im-  
provement in siphon-fittings for aerated-wa-  
ter siphons and the like; and it consists of  
the parts and combination of parts hereinafter  
15 pointed out.

In the annexed drawings this improvement  
is represented as follows:

Figure 1 is an elevation of the fitting; and  
Fig. 2 a section thereof on line I to II in Fig.  
20 1, also showing part of the siphon-bottle.  
Figs. 3 to 5 show details of the fitting partly  
from different points of view and partly in  
section.

The rising pipe 9 mounts up to the tap 6,  
25 in which are the plug 7 and the outflow-pipe  
8. There is also in the tap an air-pipe 10,  
fixed concentrically around the rising pipe 9.  
The atmospheric air in the siphon-bottle 11  
can therefore reach the air-escape formed by  
30 the screw 13 provided in the tap, and when  
the screw 13 has been screwed out to a slight  
extent the air can escape through the chan-  
nel 14 therein. Around the air-pipe 10 is a  
mantle 14, at the upper end of which is a ring  
35 15, which can be made to revolve, and a ring  
16, which is screwed on. At the lower end  
of the mantle 14 is a flange 31, which passes  
over the neck of the bottle 17. An india-rub-  
ber stopper 18 is passed over the lower end  
40 of the air-pipe 10 and fixed by means of the  
screw-nuts 19. When the ring 16 is scewed  
away from mantle 14, it presses against the  
tap 6, and consequently presses the man-  
tle 14 against the rubber stopper 18. The  
45 rubber stopper is thereby flattened and its  
circumference increased, so that its sides  
press against the neck 17 of the bottle, and  
thus fix the whole siphon-fitting to the said  
neck. When it is desired to take the fitting  
50 off, the ring 16 is screwed down into the man-  
tle 14, so that the rubber stopper can expand

in the direction of its axial length and de-  
crease its circumference. Then it can easily  
be withdrawn from the bottle-neck and the  
armature thus be taken off. 55

To prevent unauthorized unscrewing of the  
air-escape 13 and also unauthorized screwing  
down of the ring 16 into the mantle 14—that  
is, to prevent the fitting being taken from the  
neck of the bottle—the following device is 60  
provided:

The screw of the air-escape 13 is provided  
with a groove 20 and can be opened by means  
of the end 21 of the key. (Shown from two  
points of view in Fig. 5.) The cap 22, (shown 65  
in Fig. 3 from two points of view,) which has  
a hooked-shaped projection 23, is placed over  
the screw of the air-escape. Inserted into  
the revolving ring 15 is a screw 24, in the  
head of which are a hole 25 and a pin 26. The 70  
screw 24 is turned by inserting the projection  
28 of the key (shown in Fig. 5) into the hole  
and turning it. The hook-like projection 23  
of the cap 22 hooks onto the screw 24. When  
the screw 24 is screwed tightly into the ring 75  
15, the latter presses the projection 23 against  
the edge of the ring 16 and the edge 29 of the  
mantle 14, so that unauthorized unscrewing  
of the ring 16 is prevented and the fitting can-  
not be taken off the bottle. At the same time 80  
the screw of the air-escape is covered up and  
unauthorized opening thereof prevented.

Having thus described our invention, the  
following is what we claim as new therein and  
desire to secure by Letters Patent: 85

1. An improvement in siphon-fittings con-  
sisting of a mantle 14 placed on the air-pipe  
of the tap 6, of a ring 16 screwing into the  
said mantle and abutting against the tap, of  
a rubber stopper 18 fixed to the air-pipe by 90  
means of screw-nuts 19, the said stopper be-  
ing flattened when the ring 16 is screwed out  
of the mantle 14 so that its sides press against  
the inside of the bottle-neck.

2. The employment in siphon-fittings of a 95  
mantle 14 which is placed on the air-pipe and  
into which a ring 16 is screwed and of the  
rubber stopper 18 which is compressed when  
the ring 16 is unscrewed, further of a mov-  
able ring 15 on the mantle 14 with a screw 24 100  
inserted into it and of a hook-like projection  
23 which hooks onto the latter and the other

end of which forms a cap 22 which covers the  
screw of the air-escape 13, the said hook-like  
projection being pressed by means of the  
screw 24 against the ring 16 and the rim 29  
5 in such a manner that unauthorized unscrew-  
ing of the ring 16 and of the screw of the air-  
escape 13 is prevented.

In witness whereof we have hereunto set  
our hands in presence of two witnesses.

HERMANUS VAN NIMWEGEN.

JOHAN JACOB BRUNS.

Witnesses:

LOUIS GEHARDUS FREDERIKUS HEYNEKER,

AUGUST SIEGFRIED DOCEN.