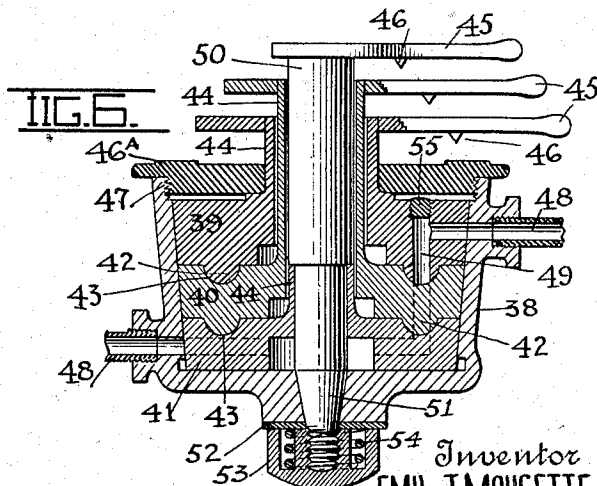
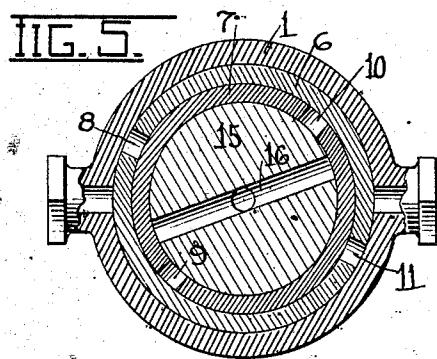
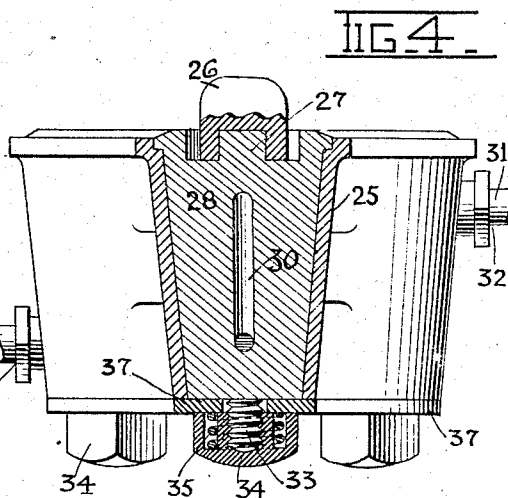
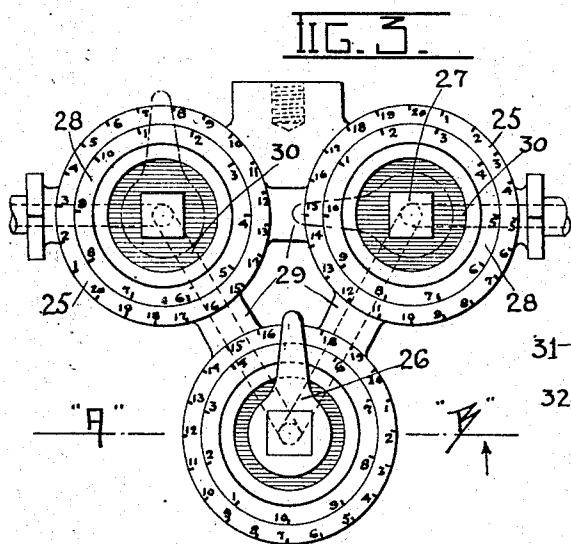
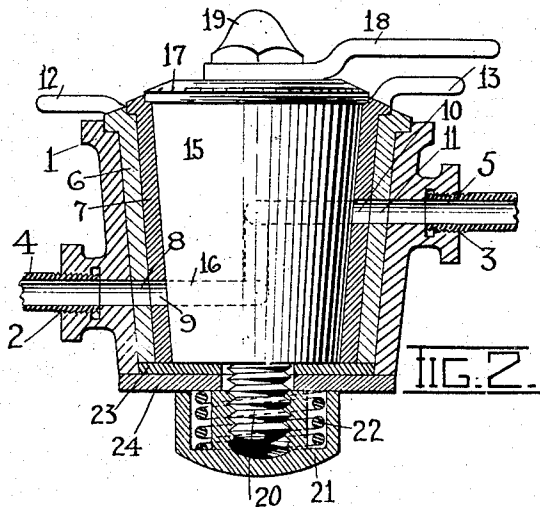
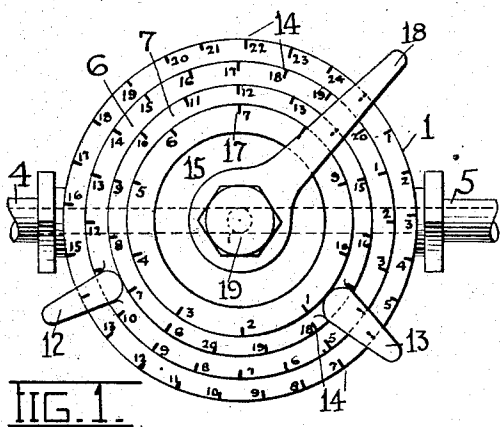


E. J. MOUGETTE.
COMBINATION PLUG COCK,
APPLICATION FILED FEB. 23, 1912.

1,054,020.

Patented Feb. 25, 1913.



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UNITED STATES PATENT OFFICE.

EMIL J. MOUGETTE, OF CHICAGO, ILLINOIS.

COMBINATION PLUG-COCK.

1,054,020.

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To all whom it may concern:

Be it known that I, EMIL J. MOUGETTE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Combination Plug-Cocks, of which the following is a specification.

My invention relates to combination plug cocks and more particular to a type of combination fluid plug cocks that may be disposed between a gasoline supply tank and a carbureter.

The object is to provide a means whereby the supply of a liquid may be effectually cut off and the means virtually locked, or rather its several elements so disarranged that a liquid will not have a free passage through the same until said elements have been readjusted, said readjustment consisting of a secret combination the proper arrangement of which causes the elements to present a free passage through the cock.

The improvement consists broadly speaking of a plug cock having a plug surrounded by a plurality of body bound glands, said plug and glands located within a housing and adapted to be arranged to present an interrupted or a free passage for a liquid, said arrangement for the free passage being effected by the proper alinement of a plurality of markings on said glands and stem, the markings being visible from the exterior of said cock.

The device is particularly useful in connection with automobiles or motor boats in preventing the actuation of the motive power by unauthorized persons, by reason of the inability of one not having the combination to supply gasoline to the carbureter. Obviously the more complicated the combination and the more elements requiring proper alinement the more difficult for one to solve the secret. With this point in view I may provide a plurality of cocks having their outer casings either all cast together in a compact group or have them cast separately and joined by reinforced stems, thus making it practically impossible for improper persons to properly align the elements to present a free passage.

Other advantages will be apparent and a clearer conception may be had by reference to the drawings forming a part of this application, in which—

Figure 1 is a plan view of one form of

cock showing the several elements alined for a free passage. Fig. 2 is a sectional elevation thereof. Fig. 3 is a plan view of a plurality of cocks having the elements arranged to present a free passage. Fig. 4 is a part sectional elevation on line A—B of Fig. 3. Fig. 5 is a sectional view of the type of cock shown in Fig. 2, taken on different planes and showing the elements arranged to present an interrupted passage. Fig. 6 is a modified form of cock in which disks are used instead of glands; an interrupted passage is here shown.

The improvement more specifically described and the several elements in Figs. 1, 2 and 5 referred to by numerals, 1 represents a casing having threaded openings 2 and 3, being fitted with fluid conducting tubing 4 and 5. 6 and 7 are tapered glands having openings 8, 9, 10 and 11 and handles 12 and 13 together with external markings 14. 15 is a tapered plug having passage 16, external markings 17, handle 18 and nut 19, said tapered stem or plug being further provided with threaded portion 20 cooperating with the nut 21, spring 22 and washers 23 and 24 in such a manner as to bind the whole in an operative form.

Referring to Figs. 3 and 4, 25 represents the housing or outer casing, 26 a detachable operating handle while 27 is a stem on plug 28 adapted to secure said operating handle. The said stem is here shown square but may obviously be made of any desired cross-section. 29 are the reinforced connections, 30 the fluid passage, while 31 are short sections of hollow tubing screwed into threaded openings of the outer casing at 32. Threaded stem 33, nut 34 and spring 35 together with washers 37 are the securing means for this arrangement of cock.

In the form of cock shown in Figs. 3 and 4 I have used no glands, they being considered unnecessary where a plurality of cocks are used, it being understood however that I may if I so desire employ the same style of cock in the group formation as that shown in Figs. 1 and 2.

In the form of plug cock shown in Fig. 6, 38 represents the outer shell or housing while 39, 40 and 41 are disks having annular tongues 42 registering with corresponding depressions 43 for the obvious purpose of preventing seepage of the fluid, said disks being further provided with connecting stems 44 and operating handles 45 said

handles having pointers 46 operating in conjunction with markings similar to those shown in Figs. 1 and 3. 46^a is a cover held in place by screw thread 47. 48 represents hollow tubing and 49 a passage through the several elements. A central stem 50 to which the bottom disk is secured has a tapered portion 51 cooperating with the tapered hole in the outer casing, washer 52, nut 53 and spring 54 in a manner tending to prevent leakage and further insure a practical mechanically operative device. The small plug 55 in the upper disk is screwed in place after the latter has been lined up with its cooperating disks and a combination effecting a free passage through the elements decided upon.

In the manufacture of these cocks the same method of grinding will be followed as is employed in the construction of ordinary cocks to insure the perfect fit necessary, but the spring nut I have provided will largely obviate this necessity.

Now while I have shown the preferred forms of construction in this application I will claim the right to make such other slight alterations and modifications that may be found to improve the device and its effectiveness as long as the alterations and improvements do not depart from the spirit of the invention as set forth in the claims.

Having thus described the features, their operation and advantages, I claim:

1. A combination plug cock having a plug, a plurality of glands encircling said plug and parallel to the same, a housing adapted to secure said plug and glands, openings in the walls of the housing and glands and a passage through the plug, together with means for alining or staggering said openings and passage to present a free or an interrupted passage through the several elements.

2. A combination plug cock having a tapered plug, a plurality of tapered glands encircling said plug and parallel to the same, a tapered housing adapted to receive said plug and glands, openings in the walls of the housing and glands and a passage through said plug, means for alining or staggering said openings and passage to present a free or an interrupted passage through the several elements, a threaded stem on said plug, a nut, a spring and washers cooperating in such a manner with said threaded stem as to keep the several elements in proper relation.

3. A combination plug cock having a

tapered plug, a plurality of tapered glands encircling said plug and parallel to the same, a tapered housing adapted to receive said plug and glands the two latter being revoluble, openings in the walls of said housing and glands and a passage through the plug, handles secured to the upper ends of said glands and plug, a plurality of markings on the visible or upper ends of the glands, plug and housing, said markings being numbered progressively in groups on the several elements, a threaded stem on said plug, a nut having an annular recess, a helical spring in said recess, and washers cooperating in such a manner with the threaded stem as to keep the several elements in proper relation.

4. A plurality of combination fluid plug cocks arranged in groups having communicating means between the elements in the groups and means for alining or staggering said communicating means whereby a free or an interrupted passage for a fluid may be had.

5. A plurality of combination fluid cocks arranged in groups, said cocks having tapered plugs and housings, the walls of said housings being parallel to the sides of the plugs, openings in the walls of said housings and passages through said plugs together with means for alining or staggering said openings and passages to present a free or an interrupted passage through the several elements.

6. A plurality of combination fluid cocks arranged in groups, said cocks having tapered plugs and housings, the walls of said housings being parallel to the sides of the plugs, openings in the walls of said housings and passages through said plugs, communicating means between said cocks, stems in the stops of said plugs and a portable handle for operating said plug, marks disposed upon the upper surfaces of the stems and housings, said markings being numbered progressively in groups on the several elements, threaded stems on said plugs, nuts having annular recesses, helical springs in said recesses and washers cooperating in such a manner with threaded stems as to keep the several elements in proper relation.

In testimony whereof I affix my signature in presence of two witnesses.

EMIL J. MOUGETTE.

Witnesses:

MARTIN WHITE,
JOHN WHITE.