

PATENT SPECIFICATION



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PROVISIONAL SPECIFICATION.

Improvements relating to Taps or Cocks.

We, **RUDOLF FRANKOVSKY**, of German Nationality, 16, Hanselmannstrasse, Munich, Germany, and **HORACE HADEN WAINWRIGHT**, a British Subject, of 7, Grange Road, Dudley, in the County of Worcester, do hereby declare the nature of this invention to be as follows:—

This invention relates to taps or cocks particularly petrol taps or cocks of the kind in which a cylindrical plug packed with cork or like resilient material is arranged to slide within a cylindrical body part. The object of the invention is to provide an improved two level tap or cock of simplified and improved construction whereby fluid can be withdrawn from a receptacle at either of two different levels. The invention comprises the combination with a cylindrical body part, of a pair of cylindrical plugs independently slidable within opposite ends of the body part, and a pair of inlet passages and a single outlet passage arranged transversely to the body part, one of the plugs being arranged to control the outlet and one of the inlet passages, and the other plug being arranged to control only the other inlet passage.

In one manner of constructing a two-level petrol tap in accordance with this invention, the body part is formed with a cylindrical bore which is open at both ends. Into each end is inserted a slidable plug. Each plug consists of a stem which is screwed at one end and is provided with a head at the other end, a cylindrical cork packing carried on the stem, a cylindrical distance piece mounted freely on the stem, and an external finger piece screwed on

the stem, the finger piece serving not only to move the plug but also to exert an adjustable endwise pressure on the cork packing which is gripped between the distance piece and the head of the stem. Detachment of the plug from the body part is prevented by a screw on the body part engaging a longitudinal slot in the distance piece.

At one side of the body part are arranged a pair of inlet passages. One of these is fitted with a pipe which extends to the required height within the tank or the like to which the tap is attached, whilst the other opens directly into the base of the tank. Or pipes of different lengths may be connected to both of the inlet passages. A single outlet passage is provided at the opposite side of the body part. The relative arrangement of the passage and of the plugs is such that the one plug controls the outlet and the inlet which communicates with the position of higher level in the tank. The other plug controls only the lower level inlet passage. Normally the flow of petrol from the tank to the carburetter is controlled by the first mentioned plug. After the level of the petrol has fallen below the level of the first inlet, the other plug is moved to open the second inlet passage.

By this invention we are able to provide a two-level tap or cock in a very simple and convenient manner. The invention is not limited to the example described as subordinate details may be varied to meet different requirements.

Dated this 28th day of February, 1930.
MARKS & CLERK.

COMPLETE SPECIFICATION.

Improvements relating to Taps or Cocks.

We, **RUDOLF FRANKOVSKY**, of German Nationality, 16, Hanselmannstrasse, Munich, Germany, and **HORACE HADEN WAINWRIGHT**, a British Subject, of 7, Grange Road, Dudley, in the County of Worcester, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particu-

larly described and ascertained in and by the following statement:—

This invention relates to taps or cocks particularly petrol taps or cocks of the kind in which a cylindrical plug packed with cork or like resilient material is arranged to slide within a cylindrical body part. The object of the invention

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is to provide an improved two level tap or cock of simplified and improved construction whereby fluid can be withdrawn from a receptacle at either of two different levels. The invention comprises the combination with a cylindrical body part, of a pair of cylindrical plugs independently slidable within opposite ends of the body part, and a pair of inlet passages and a single outlet passage arranged transversely to the body part, one of the plugs being arranged to control the outlet passage, and the other plug being arranged to control one of the inlet passages.

15 The accompanying drawing illustrates in section a petrol tap constructed in accordance with this invention.

Referring to the drawing, the body part *a* is formed with a cylindrical bore which is open at both ends. Into each end is inserted a slidable plug. Each plug consists of a stem *b* which is screw-threaded at one end and is provided with a head *c* at the other end, a cylindrical cork packing *d* carried on the stem, and a screw-threaded cylindrical piece *e* terminating in an outer finger piece *f*. Rotation of the part *e* and withdrawal of the plug from the body is prevented by a grub screw *g* engaging a slot in *n*. Adjustment of the endwise pressure exerted on the cork by the parts *c*, *e* is effected by a screw driver engaged with the slotted outer end of *b*, and the parts are secured by a lock nut *h*.

At one side of the body part are arranged a pair of inlet passages *i*, *j*. One of these (*j*) is fitted with a pipe *k* which extends to the required height within the tank *l* or the like to which the tap is attached, whilst the other (*i*) opens directly into the base of the tank. Or pipes of different lengths may be connected to both of the inlet passages. A single outlet passage *m* is provided at the

opposite side of the body part. The relative arrangement of the passage and of the plugs is such that one of the plugs (the right hand one in the drawing) controls the outlet passage allowing a free flow to this passage from the passage *j* leading to the higher level in the tank. It is not necessary and may not be desirable for this plug to cover the passage *j*. The other plug (the left hand one in the drawing) controls only the lower level inlet passage *i*. Normally the flow of petrol from the tank to the carburetter is controlled by the first mentioned plug. After the level of the petrol has fallen below the level of the first inlet, the other plug is moved to open the second inlet passage.

By this invention we are able to provide a two-level tap or cock in a very simple and convenient manner.

Having now particularly described and ascertained the nature of our said invention and in what manner the same is to be performed, we declare that what we claim is:—

1. A two-level tap or cock comprising the combination with a cylindrical body part, of a pair of cylindrical plugs packed with cork or like resilient material and independently slidable within opposite ends of the body part, and a pair of inlet passages and a single outlet passage arranged transversely to the body part, one of the plugs being arranged to control the outlet passage, and the other plug being arranged to control one of the inlet passages, substantially as described.

2. A two-level petrol or other like tap or cock as claimed in Claim 1, and comprising the combination and arrangement of parts, substantially as described and illustrated.

Dated this 24th day of November, 1930.
MARKS & CLERK.

[This Drawing is a reproduction of the Original on a reduced scale.]

