Nov. 9, 1926. 1,606,342

E. A. BRUCE

DRAINING DEVICE

Filed June 1, 1926

Fig. 2

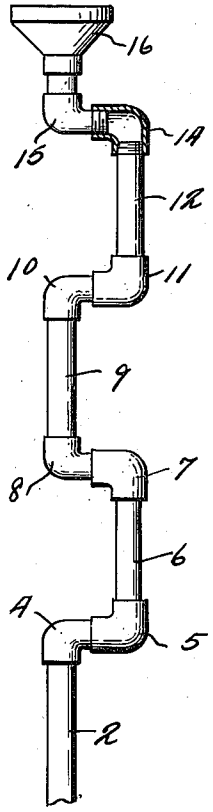
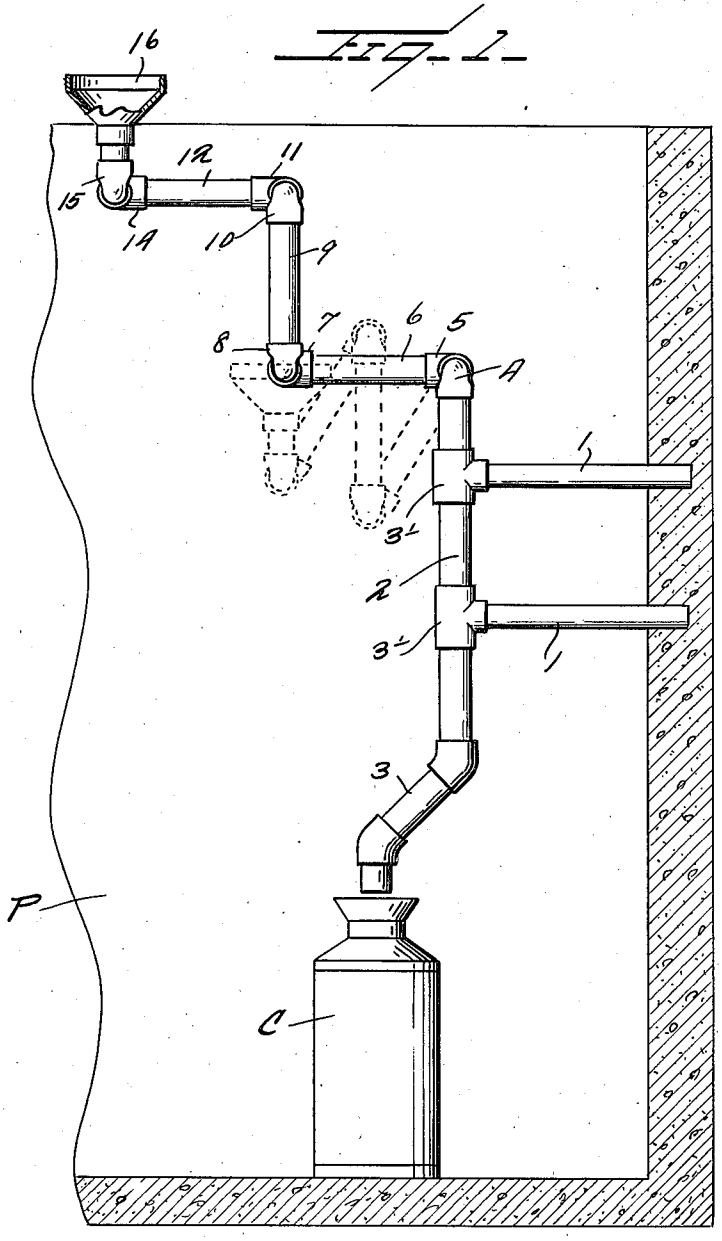


Fig. 1



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UNITED STATES PATENT OFFICE.

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DRAINING DEVICE.

Application filed June 1, 1926. Serial No. 112,997.

This invention relates to a draining device and has relation more particularly to a device of this kind especially designed and adapted for use in collecting oil drained from the crank case or other parts of a motor driven vehicle.

It is an object of the invention to provide a device of this kind which may be readily extended in either or both a horizontal and vertical direction in order to properly position the receiving end portion of the device with respect to the part of the vehicle to be drained.

The invention consists in the details of construction and in the combination and arrangement of the several parts of my improved draining device whereby certain important advantages are attained and the device rendered simpler, less expensive and otherwise more convenient and advantageous for use, as will be hereinafter more fully set forth.

The novel features of my invention will hereinafter be definitely claimed.

In order that my invention may be the better understood, I will now proceed to describe the same with reference to the accompanying drawing, wherein:—

Figure 1 is a view partly in section and partly in elevation illustrating a draining device constructed in accordance with an embodiment of my invention, the upper end portion being indicated by broken lines in a retracted position;

Figure 2 is a view partly in section and partly in plan and of somewhat a diagrammatic character illustrating certain features of the device as herein set forth.

As disclosed in the accompanying drawing, P denotes a pit over which a motor driven vehicle is adapted to be positioned. A side wall of the pit is provided with a pair of vertically spaced parallel arms 1 extending inwardly of the pit and which provide support for a vertically disposed tubular member or pipe 2.

The lower portion of the pipe 2 is laterally offset, as at 3, and having its lower or free extremity positioned to readily discharge within a container C positioned therebelow. The pipe 2 is sectional and said sections are coupled or connected by the T's 3′ with which the arms 1 are directly engaged, thus affording a simple yet effective mounting and support for the pipe. The upper portion of the pipe 2 has in threaded engagement therewith an ell 4 which is adapted to readily swing laterally. The ell 4 has in threaded engagement therewith a second ell 5 adapted to have free swinging movement in a vertical direction while the ell 4 has swinging movement in a horizontal direction with respect to the pipe 2.

The ell 5 is carried by a pipe section 6. The outer end of the section 6 carries an ell 7 in threaded engagement with an ell 8 carried by the inner end portion of a further pipe section 9. The opposite or outer end portion of this pipe section 9 is connected by the ells 10 and 11 with a further pipe section 12. The outer end portion of the pipe section 12 is connected by the ells 14 and 15 with the funnel-like receiving member or intake 16.

The connections between the various pipe sections 6, 9 and 12 will be extended both horizontally and vertically and also having relative swinging movement one with respect to the other so that the receiving or intake member 16 may be properly positioned with respect to the drain cock of a crank case, transmission case or other part of the motor driven vehicle positioned above the pit P and from which it is desired to drain the oil.

In the use of my improved draining device, after the attendant has properly positioned the receiving or intake member 16, he opens the requisite drain cock and then can attend to his other duties during the period of draining. After the drainage has been completed he then pours into the oil intake of the part being drained a flushing oil which furnishes an oil wash and is likewise carried off through the improved device to the container C. After this second operation it is only necessary to close the drain cock and then apply a new supply of lubricating oil.

From the foregoing description it is thought to be obvious that a draining device constructed in accordance with my invention is particularly well adapted for use by reason of the convenience and facility with which it may be assembled and operated, and it will also be obvious that my invention is susceptible of some change and modifica-

tion without departing from the principles and spirit thereof and for this reason I do not wish to be understood as limiting myself to the precise arrangement and formation of the several parts herein shown in carrying out my invention in practice except as hereinafter claimed.

I claim:—

A draining device comprising a pipe, means for supporting the same in substantially a vertical position, a sectional pipe leading from the upper portion of the first named pipe, adjacent sections being in communication and having relative swinging movement in both a vertical and a horizontal direction, and a receiving member carried by the outermost section.

In testimony whereof I hereunto affix my signature.

EDMUND A. BRUCE.