

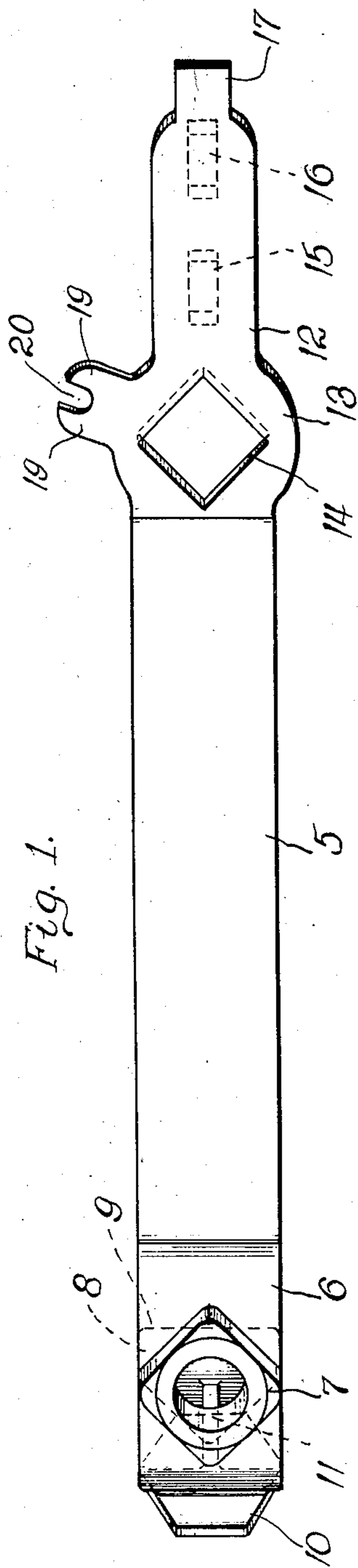
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C. J. MULCAY

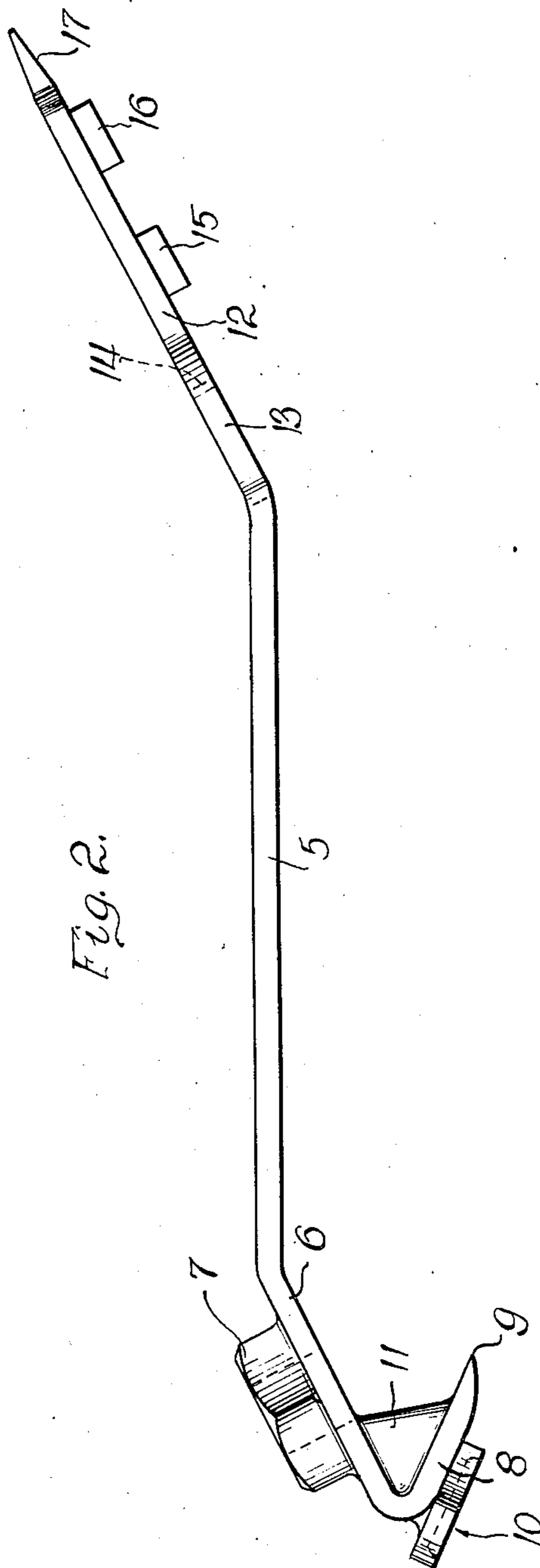
2,148,573

WRENCH

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WRENCH

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2 Claims. (Cl. 81-71)

My invention relates to a wrench, and more particularly to a wrench adapted for use in removing the screw threaded plugs from steel drums in which various materials such as oil, naphtha and the like are shipped to the user.

Steel drums of this type are provided with different types and sizes of screw plugs owing to the fact that the various manufacturers of the drums do not use the same type of plug, and at the present time there are a number of different types of plugs which are most commonly used. One of these plugs is made with a square recess or depression which requires a wrench with a square stud or boss adapted to be inserted into such recess. Another type of plug, and one which is ordinarily provided on a drum where a faucet is to be installed in place of the plug, is made with a square outwardly extending projection which requires a wrench with a square hole. A third type of plug is provided with two spaced apart oblong recesses or depressions, while a fourth plug of a small size is provided with but one oblong recess or depression, and, therefore, two other types of wrenches are required to remove these latter two plugs. Another type of plug is provided with a hexagonal recess and requires a wrench with a hexagonal stud or boss adapted to be inserted into such recess, and still another type of plug is provided with an integral projection or bar portion extending outwardly across the center of the plug which requires a different type of wrench. It will be seen, therefore, that in the past it has been necessary for the users of the materials shipped in steel drums of this type to have on hand a plurality of different types of wrenches for removing the various kinds of screw plugs from the drums, as well as suitable tools for removing or breaking the seals over the plugs, which, of course, is disadvantageous.

With this situation in view my present invention has for its principal object to provide a wrench which is adapted for fitting all of the various types of screw plugs in common use on steel drums.

These and other objects and advantages will be apparent from the following description of the invention taken in connection with the accompanying drawing, in which:

Figure 1 is a plan elevation of a wrench embodying my invention; and

Figure 2 is a side view thereof.

Referring to the drawing,—the wrench comprises a central shank or handle member 5 pro-

vided with an integral V-shaped portion including an angularly disposed portion or leg 6 joined to one end of the shank 5. Formed integral with and extending outwardly from one surface of the angularly disposed leg 6 is a working section in the form of a square stud or boss 7 adapted to fit into a screw plug which is provided with a square recess or depression.

The other leg of the V-shaped portion is indicated at 8 and is provided at its outer end with a lip or thin edge 9 which is adapted to be inserted under the edges of the cup-shaped seals placed over the plugs on the drums so that said seals may be pried up and removed to give access to the plugs. A longitudinally extending centrally disposed reinforcing web 11 formed integral with the legs 6 and 8 extends directly across the space therebetween and is provided for strengthening purposes.

Formed integral with and extending outwardly from the outer surface of the leg 8 adjacent the portion where it joins the leg 6 is a working section in the form of a hexagonal stud or boss 10 adapted to fit into a screw plug which is provided with a hexagonal recess or depression.

The opposite end of the shank or handle portion 5 is also provided with an integral oppositely directed angularly disposed portion 12 that lies in a plane approximately parallel to the plane of the angularly disposed portion 6. This angularly disposed portion 12 adjacent its connection with the shank portion 5 is enlarged as shown at 13 in Figure 1, and such enlarged portion 13 is provided with a centrally disposed square opening 14. This square opening 14 is adapted to fit over the square projection which is provided on some plugs.

The angularly disposed portion 12 outwardly of the enlarged portion 13 is provided with a pair of spaced apart oblong projections or studs 15 and 16 positioned in longitudinal alinement with each other. These two projections 15 and 16 are adapted to be used for removing plugs provided with two spaced apart oblong recesses or depressions positioned in alinement with each other. With another type of plug in common use, i. e. a small plug having a single oblong recess or depression, either of the projections 15 or 16 may be employed for removing the plug.

The outer end of the angularly disposed portion 12 is reduced in width and tapered to a sharp edge similar to a screw driver as shown at 17, and this part of the wrench is adapted to be used on seals that have to be broken and torn out in order to apply the wrench to the plug

under the seal. This portion 17 may also be used as a screw driver.

5 Formed integrally with and extending outwardly from one side of the enlarged portion 13 is a pair of spaced gripping jaws 19 forming a recess 20 that is adapted to receive the centrally disposed projection or bar provided on some screw plugs.

10 It will be seen from the above that a mechanic equipped with this wrench can easily and quickly pry out or break the seal and remove any one of the various kinds of screw plugs that are commonly used on steel drums, thereby saving the time that might otherwise be required for finding
15 a wrench to fit a particular type of plug, as well as finding a suitable tool to remove or break the seal, so that the necessity of keeping on hand a plurality of wrenches is avoided.

I claim:

20 1. An article of manufacture comprising a tool having a shank formed of a flat elongated strip carrying a generally V-shaped portion one leg of which is joined to said shank at one end, and a pair of differently formed polygonal socket

engaging bosses, one on the outer side of each leg of said V-shaped portion, said V-shaped portion being joined to the shank so that each leg is disposed substantially at the same oblique angle with respect to the shank, whereby the shank can serve as a handle in substantially the same relation for either boss. 5

2. An article of manufacture comprising a tool having a shank formed of a flat elongated strip carrying a generally V-shaped portion one leg of which is joined to said shank, a pair of differently formed polygonal socket engaging bosses, one on the outer side of each leg of said V-shaped portion, and a reenforcing web joining the sections of the legs of said V-shaped portion carrying said bosses and disposed in a plane extending longitudinally of the shank and intersecting both of said bosses, said V-shaped portion being joined to the shank so that each leg is disposed substantially at the same oblique angle with respect to the shank, whereby the shank can serve as a handle in substantially the same relation for either boss. 10 15 20

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