Dec. 6, 1949 C. H. NESBITT 2,490,739

EXTENSION HANDLE FOR WRENCHES

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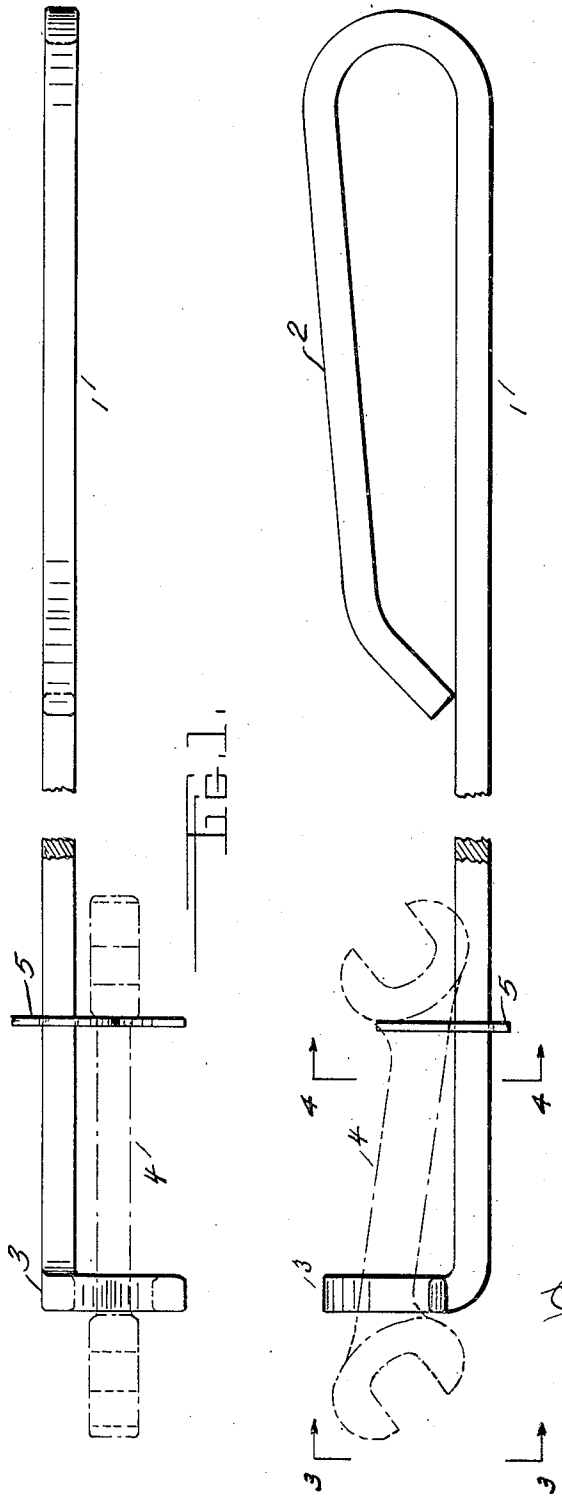


Fig. 1.

Fig. 2.

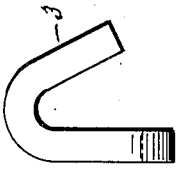


Fig. 3.

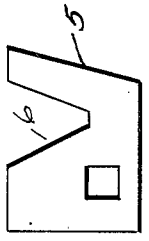


Fig. 4.

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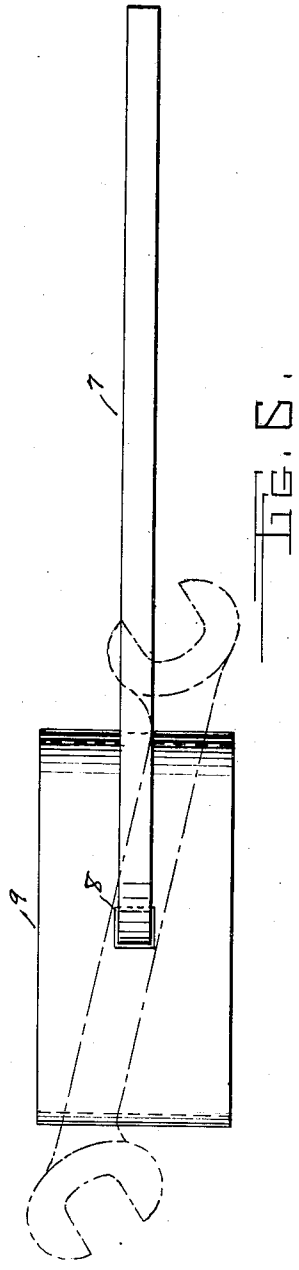


FIG. 6.

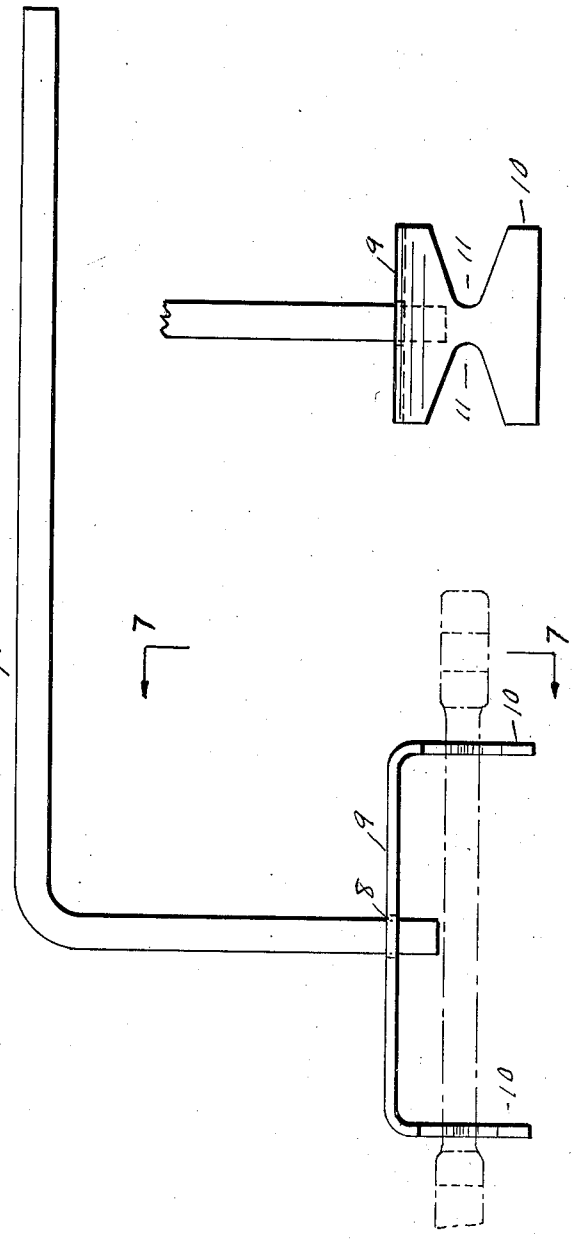


FIG. 5.

FIG. 7.

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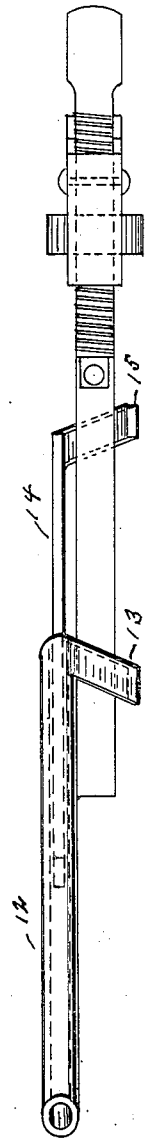


FIG. 8.

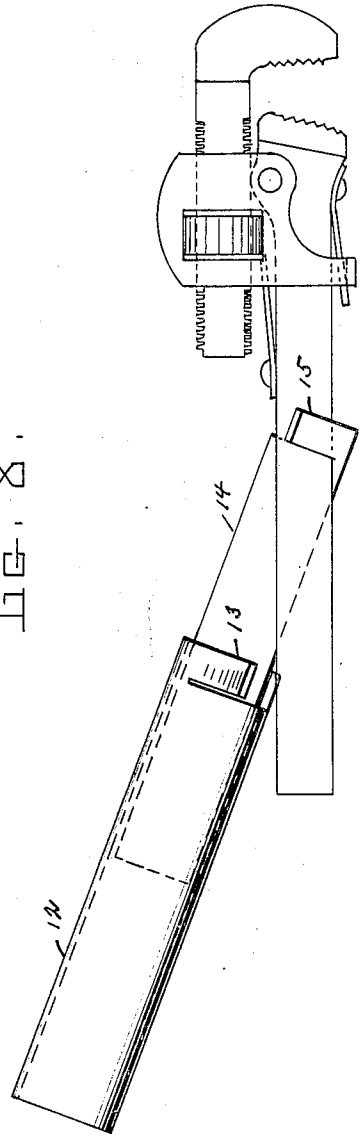


FIG. 9.

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2,490,739

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2,490,739

EXTENSION HANDLE FOR WRENCHES

Charles H. Nesbitt, Birmingham, Ala.

Application January 2, 1947, Serial No. 719,767

1 Claim. (Cl. 81—177)

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This invention relates to an extension handle for use with wrenches of the fixed open end and other types. It has for its main object to provide such extension handle for use on different sizes and lengths of wrenches generally known as double ended fixed jaw wrenches that are often supplied in sets. However the handle will prove equally satisfactory when a longer handle is specially required on types of such wrenches known as monkey wrenches and Stillson wrenches.

Further objects are to provide such a handle that will be highly efficient for its purpose, simple in structure, cheap to manufacture, and easy to use. Other objects and advantages will appear from the drawings and description.

By referring to the drawings, part of this application, it will be observed that Fig. 1 is a side view of the assembled handle with a wrench in broken lines being held in the handle; Fig. 2 is a plan view of Fig. 1; Fig. 3 is a detail view on line 3—3 of Fig. 2 showing the end of the handle less the remainder of the handle and the wrench; Fig. 4 is a detail view on line 4—4 of Fig. 2 of the slidable member used on the handle shown in Figs. 1 and 2; Fig. 5 is a side view of a modified form of the handle with a wrench in broken lines being held in the handle; Fig. 6 is a plan view of Fig. 5; Fig. 7 is an end view on line 7—7 of Fig. 5 showing part of the handle members; Fig. 8 is a side view of another modified form of the handle extension as used on a Stillson wrench shown in broken lines; and Fig. 9 is a plan view of Fig. 8.

Similar reference numerals refer to similar parts throughout the several views.

Referring to the drawings in detail it will be seen that the handle comprises a main member 1 preferably made of a piece of square steel rod, bent to form a suitable handle 2 adapted for manual holding, with the opposite end 3 formed substantially V shape and adapted to fit over the side edge of an open end wrench 4. Mounted on the handle 1 is a slidable plate member 5, that may be of any desired thickness, with a substantially V shape slot 6 therein that is adapted to also fit over the side edge of the wrench 4 as shown in Figs. 1 and 2. A modified form of the handle assembly comprises an L-shaped handle member 7 preferably made of square steel rod, adapted to fit into a square hole 8 in a plate member 9 with integral depending ends 10 provided with slots 11 adapted to fit over the side edges of an open end wrench as shown in Figs. 5 and 6.

From the foregoing it will appear that in order

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to use the handle assembly shown in Figs. 1, 2, 3 and 4 the members are held adjacent the wrench as plainly displayed in Figs. 1 and 2. The modified type as shown in Figs. 5, 6 and 7 is used by inserting the end of the hand member into the square hole in the plate member and then place same firmly adjacent the wrench as plainly displayed in Figs. 5 and 6.

Another modified form of the handle extension is shown in Figs. 8 and 9. This type comprises the hollow hand portion 12 with one end cut and bent outward to form a V slot 13 integral with hollow member. A flat oblong bar or plate member 14 is adapted to slide snugly within the hand portion 12. This flat bar member is also provided with a V 15 slot integral with its outer end. The hand portion V slot in combination with the V slot of the slidable bar member being adapted to fit on the opposite sides of a regular wrench handle as shown in Figs. 8 and 9 to provide an extension handle thereof.

The handle parts may be made of any material suitable for the purpose, but I prefer to use steel. The invention resides in the device for its purpose, not the material of which the parts are made. Also the handle assembly may be made in different lengths and strengths of parts to accommodate various sizes of open end and other types of wrenches.

While I have shown and described the preferred embodiment of my invention, I do not wish to limit same to the exact and precise details of structure, but reserve the right to make all modifications and changes so long as they remain within the scope of the following claim.

Having described my invention I claim:

In a wrench extension handle comprising: a piece of square metal rod, one end of the rod bent over itself to thus form a loop to provide handle means, the opposite end of the rod being laterally bent to form a projection transverse to the axis of the rod and having an approximate V shape; a flat plate slidably mounted on said rod in confronting relation with said V-shaped projection, said plate member being slidable between the loop and projection ends of the handle, the slidable mounting consisting of a square hole in the plate member of approximately the same size as the square rod in order to prevent rotation of the plate about the axis of the rod, and a V shaped slot in one edge of said flat plate, the apex of said V-shaped slot being inverted with respect to the apex of said V-shaped projection.

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