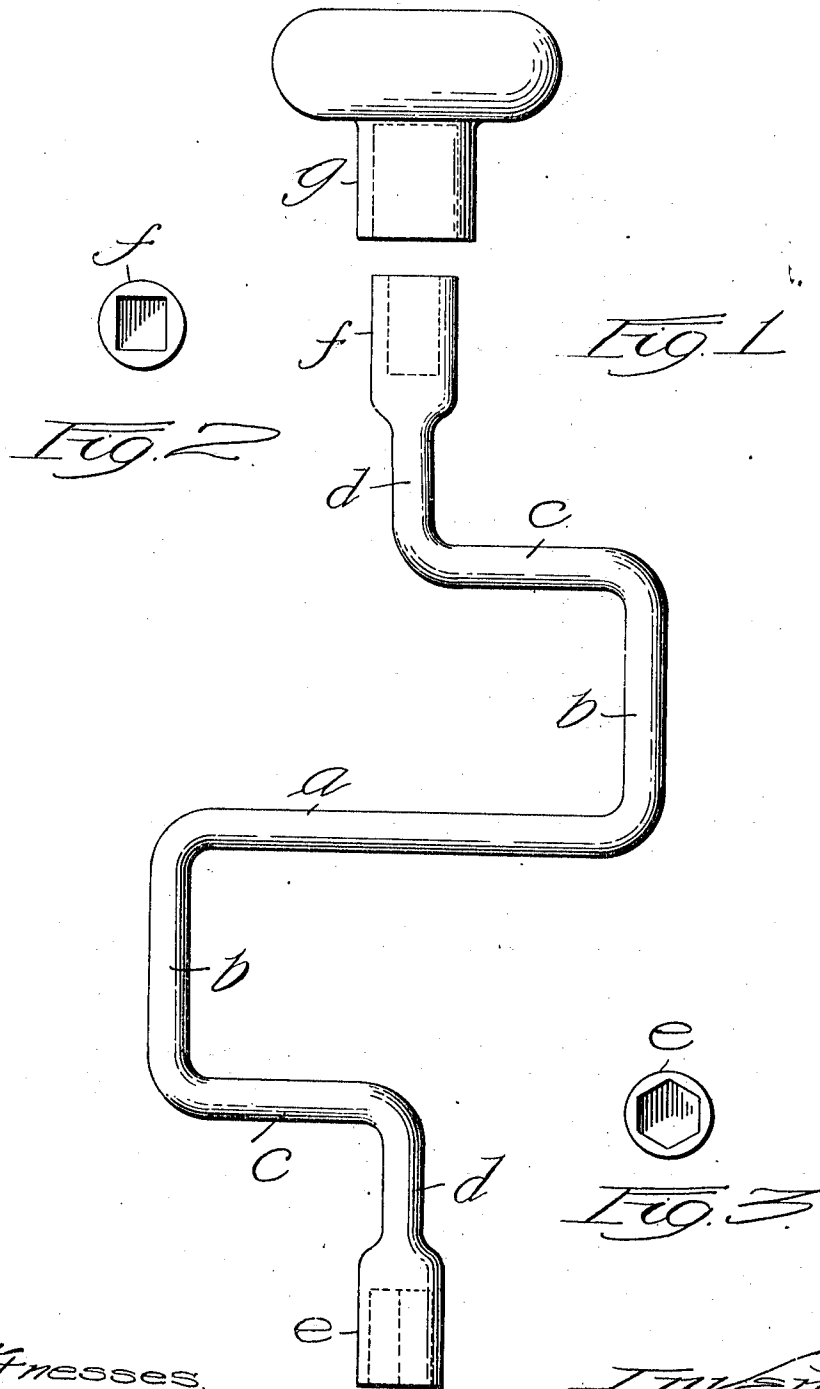


A. C. SARGENT.
 SOCKET WRENCH.
 APPLICATION FILED MAR. 26, 1910.

1,053,536.

Patented Feb. 18, 1913.



Witnesses.

b. f. Mason

E. M. Allen

Inventor
 A. C. Sargent
 By Attorneys

Southgate & Southgate.

UNITED STATES PATENT OFFICE.

ALLAN C. SARGENT, OF WESTFORD, MASSACHUSETTS.

SOCKET-WRENCH.

1,053,536.

Specification of Letters Patent.

Patented Feb. 18, 1913.

Application filed March 26, 1910. Serial No. 551,772.

To all whom it may concern:

Be it known that I, ALLAN C. SARGENT, a citizen of the United States, residing at Westford, in the county of Middlesex and State of Massachusetts, have invented a new and useful Socket-Wrench, of which the following is a specification.

This invention relates to a socket wrench.

The principal objects of the invention are to provide a single, complete socket wrench without removable parts, which shall be suitable and convenient for use in various places, particularly on automobiles, where the wrench has to be transported from place to place, and which shall be inexpensive to manufacture and easy to keep in repair.

Further objects and advantages of the invention will appear hereinafter.

Reference is to be had to the accompanying drawing, in which—

Figure 1 is a side elevation of a double socket wrench constructed in accordance with this invention; Fig. 2 is an end view of one end, and Fig. 3 is an end view of the other end thereof.

The wrench is shown as consisting of a forging all made in a single integral piece. It has a central transverse bar *a* and is provided at the ends thereof with two bars *b* at right angles to the central bar and constituting hand holds. At the outer ends of these bars are two bars *c* parallel with the central bar and extending inwardly substantially to a point opposite the center thereof. At this point these two bars are bent at right angles so as to form shanks *d* extending outwardly, and in axial alinement with each other, and with the center of the central bar *a*. Thus a double crank is provided. On the ends of these shanks are dissimilar sockets *e* and *f*. These sockets are integral with the shanks and in fact all of the above specified parts are integral with each other and formed from a single forging. The several angles are all shown as right angles. The socket *e* is shown as of hexagonal form inside, and the socket *f* of square form. It will be understood of course that these forms may be varied and that the two sockets may be of the same form but of different sizes.

An implement constructed as above described is a great convenience, particularly to automobilists, and can be manufactured at very small expense. It has no parts that are likely to become broken in use, and none whatever that can be lost. It is lighter, and takes up no more room, than the ordinary brace which is sometimes provided for this purpose.

By the use of the two throws and the provision of the two bars *b*, these can be used as hand-holds. However, if desired, a removable head *g* can be employed which can be placed in either of the sockets to serve for the purpose of the usual head or knob with which a carpenter's braces are provided.

While I have illustrated and described a preferred embodiment of the invention, I am aware that many modifications can be made therein by any person skilled in the art without departing from the scope of the invention as expressed in the claim. Therefore, I do not wish to be limited to all the details of construction herein shown and described, but

What I do claim is:—

As an article of manufacture a socket wrench having two shanks in axial alinement with each other, hand holds between them for operating the wrench, two integral wrench sockets in axial alinement on the ends of said shanks and of different internal size or shape but of the same external size and circular in shape, whereby said sockets may be applied to nuts or bolt-heads of different sizes or shapes, and a removable steadying head having a circular socket shaped and adapted to receive and fit the outside surfaces of the ends of both of said shanks, so as to be rotatable thereon.

In testimony whereof I have hereunto set my hand, in the presence of two subscribing witnesses.

ALLAN C. SARGENT.

Witnesses:

FRED W. SWAIN,
JOHN DUCKWORTH, Jr.