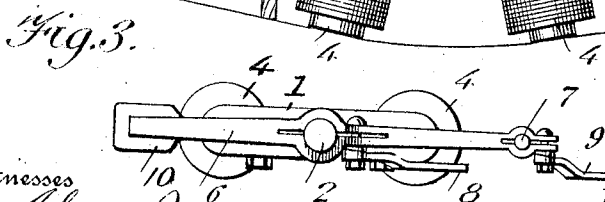
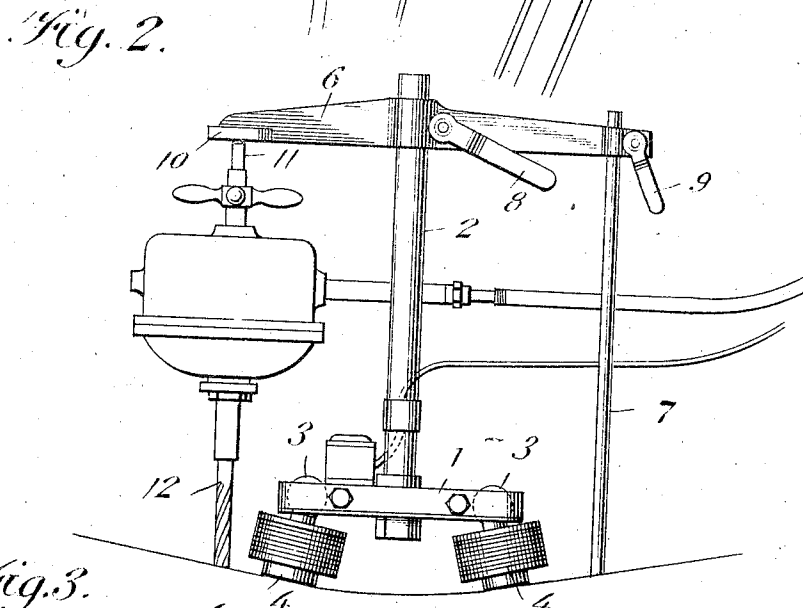
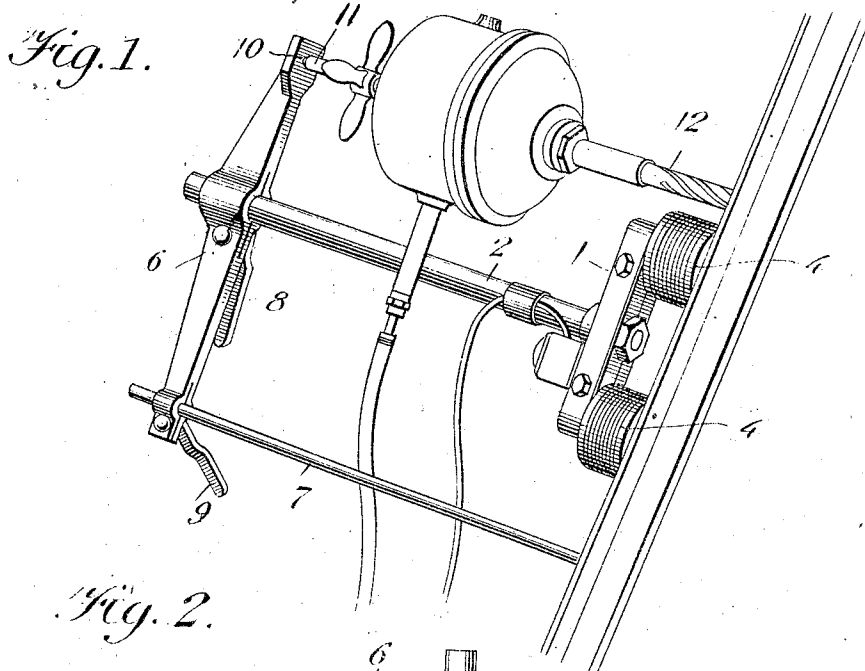


G. STRONER & W. C. BUEGE.
TOOL HOLDER.
APPLICATION FILED MAY 12, 1911.

1,010,975.

Patented Dec. 5, 1911.



Witnesses
Geo. Ackerman Jr.
Wm. J. South.

Inventors
George Stroner
William C. Buege
By *Victor J. Evans*
Attorney

UNITED STATES PATENT OFFICE.

GEORGE STRONER AND WILLIAM C. BUEGE, OF GLOBE, ARIZONA TERRITORY.

TOOL-HOLDER.

1,010,975.

Specification of Letters Patent.

Patented Dec. 5, 1911.

Application filed May 12, 1911. Serial No. 626,755.

To all whom it may concern:

Be it known that we, GEORGE STRONER and WILLIAM C. BUEGE, citizens of the United States, residing at Globe, Territory of Arizona, have invented new and useful Improvements in Tool-Holders, of which the following is a specification.

This invention relates to improvements in that style of tool holding devices commonly known as the "old man," which is used for holding drills in place during the operation of drilling holes in metal, such as iron girders or the like, the primary object of the invention being to dispense with the bolt means heretofore employed for feeding the drill to its work and in lieu thereof to provide a simple and effective attachment whereby the device may be quickly attached to and held in position for work.

With the above objects in view, and others which will appear as the nature of the invention progresses, the improvement resides in the novel construction and arrangement of parts hereinafter fully described and claimed.

In the drawings accompanying this specification, there has been illustrated a simple and preferred embodiment of the invention, and it is to be understood that the showing therein is merely illustrative and that changes in the minor details as to size, shape, proportion, material, etc., which fall within the scope of the appended claims, may be resorted to if desired.

In the drawings,—Figure 1 is a perspective view of the improvement showing the same sustaining an electric drill. Fig. 2 is a side elevation illustrating the manner of positioning the holder upon an irregular surface. Fig. 3 is a top plan view of the improvement.

The present invention is adapted for use in the connection of drilling rivet holes in metal plates of any description, such as in building constructions, the sides or floors of war vessels, etc.

In the drawings, the numeral 1 designates the foot of the "old man" or tool holder. The foot 1 extends in opposite directions from its stem 2, and secured to the said foot, through the medium of a ball and socket joint 3, is a pair of electromagnets 4. It is to be understood that while only two of the magnets have been illustrated in the drawings, any number of the same may be employed if desired. The stem projects

from an opening formed in the top plate or arm 6 of the "old man."

The numeral 7 designates a fulcrum member which also engages within an opening arranged adjacent one end of the arm 6. The arm 6 adjacent the openings through which the fulcrum member 7 and the stem 2 project is bifurcated for a suitable distance and pivoted to the arms formed by the said bifurcations are cam levers 8 and 9. By this arrangement it will be noted that the arm 6 may be independently adjusted and sustained in said adjusted position upon either the stem 2 or the fulcrum member 7 or both the said stem and member if desired.

The numeral 10 designates the head for the arm 6 which is arranged at one end thereof, and that opposite the fulcrum member 7. This head 10 is provided with a suitable depression which is adapted to receive the upper cone shaped stem portion 11 of the drill 12. The drill illustrated in the drawings is electrically operated, but it is to be understood that any ordinary drill may be employed if desired. The stem 6 is provided with the usual operating wheel or handle, whereby the drill 12 may be fed to its work.

From the above description, taken in connection with the accompanying drawings, the simplicity of the device, as well as the advantages thereof, will it is thought, be perfectly apparent to those skilled in the art to which such inventions appertain without further description; it being noted that by providing the head 1 with the ball and socket joints 3 the electromagnets may be sustained at an angle to the remainder of the structure and that the fulcrum member 7 may be so adjusted as to force the head 10 of the arm 6 tightly into engagement with the stem 11 of the drill. It is to be further understood that while the device has been shown in connection with a drill, tapping, reaming or other tools may be employed therewith if desired.

Having thus fully described the said invention, what we claim is:—

1. A support for the purpose set forth comprising a head, said head having ball and socket joints, electromagnets secured to the ball and socket joints, a stem connected with the head, an arm having openings, the said stem adapted to project through one of the openings, means for adjustably secur-

ing the stem upon the arm, a fulcrum member passing through the second opening of the arm, means for adjustably securing the fulcrum member upon the arm, and the arm
5 being formed with a head, substantially as and for the purpose set forth.

2. In a support for the purpose set forth, a head having ball and socket joints, electro-
magnets connected with the ball and socket
10 joints, a stem connected with the head, an arm, said arm being arranged at an angle to the stem and being provided with a pair of spaced openings, the stem being adapted to pass through one of the openings, a pivoted
15 cam lever carried by the arm and adapted to cause the arm to engage the stem, a fulcrum member passing through the second

member, a cam lever connected with the arm and adapted to cause the arm to engage with the fulcrum member, and the said arm 20 being provided with a tool receiving head, substantially as and for the purpose set forth.

In testimony whereof we affix our signatures in presence of two witnesses.

GEORGE STRONER.
WILLIAM C. BUEGE.

Witnesses to George Stroner's signature:

E. C. THOITS,
BENJAMIN THOMAS.

Witnesses for William C. Buege:

H. J. MAFFEO,
HARRY TEMPLE.