H. HAUSSMAN.

TOOL HOLDER.

APPLICATION FILED JULY 1, 1912.

1,073,679. Patented Sept. 23, 1913.

FIG. 1.

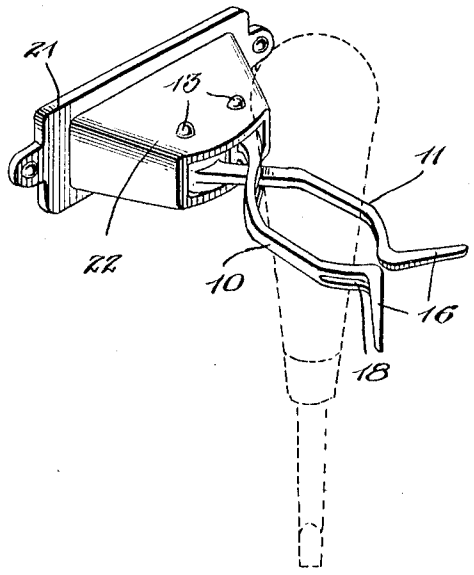


FIG. 2.

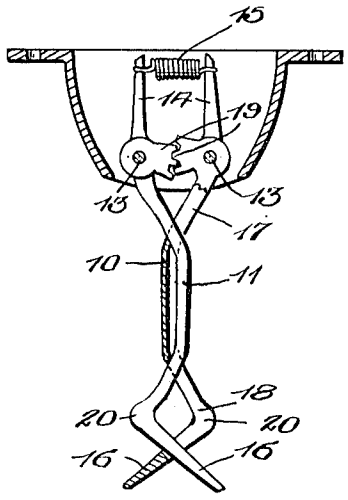


FIG. 3.

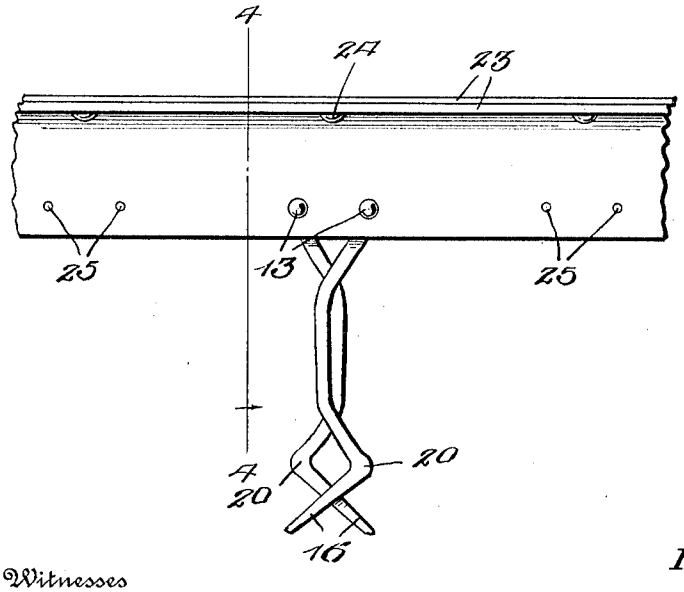
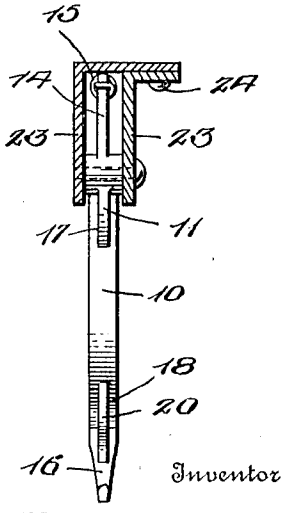


FIG. 4.



Witnesses

Chas. L. Griebauer.

A. B. Norton.

Inventor

H. Haussman,

By Watson E. Coleman

Attorney

COLUMBIA PLANOGRAPH CO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

HERMAN HAUSSMAN, OF NORTH CHICAGO, ILLINOIS.

TOOL-HOLDER.

1,073,679. Specification of Letters Patent. Patented Sept. 23, 1913.

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To all whom it may concern:

Be it known that I, HERMAN HAUSSMAN, a citizen of the United States, residing at North Chicago, in the county of Lake and State of Illinois, have invented certain new and useful Improvements in Tool-Holders, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to an improvement in article holders which are designed more particularly for holding tools and the like.

The primary object of the present invention is to provide jaws for a device of this character which are arranged in pairs for holding handles of tools and also which may be mounted in one or more pairs within a casing for holding one or more tools.

A further object of the present invention resides in constructing gripping jaws for a device of this character which will firmly grip the article to be held and which are provided with means whereby one jaw will not be operated unless the other jaw is also operated, thereby exerting the weight equal upon each of the gripping jaws.

A still further object of the present invention is to construct a device of this character which will be inexpensive in the cost of manufacture, strong, durable and efficient in use, and one which is always presented for operation.

With the above and other objects in view, this invention consists in the novel details of construction, combination, formation and arrangement of parts as will be hereinafter fully described, claimed, and particularly pointed out in the accompanying drawings, in which—

Figure 1 is a perspective view of the gripping members mounted in the casing of the preferred form of my invention. Fig. 2 is a section through the same. Fig. 3 is a plan view of the gripping members as applied to a slightly modified form of the casing retaining the gripping members, and Fig. 4 is a section taken on the line 4—4 in the direction of the arrows shown in Fig. 3.

Reference now being had to the accompanying drawings in which the numerals 10 and 11 respectively, indicate the gripping members of my improved tool holder, each of which being provided with an enlarged apertured portion through which extends a pin 13 for pivotally mounting the same upon a suitable support or within a casing which will be hereinafter described.

The shorter arms 14 of the gripping members extend substantially parallel when in a closed position and are connected at their free ends by means of a coil spring 15 which obviously holds the outer arms of the gripping members in a normally closed position for holding the tools or articles to be supported. Each of these outer arms of the gripping members intersect each other adjacent the enlarged apertured portions thereof, and are then curved outwardly, then again intersecting each other adjacent their outer extremities and then terminating in an offset portion 16. The arm 10 is provided with a pair of elongated slots 17 and 18 respectively, for receiving the portions of the arm 11 which intersect the same. The inner face of each of the enlarged apertured portions of the said gripping members are each provided with an intermeshing rack 19 which will obviously cause both arms to open simultaneously and equally when a tool to be supported thereby is inserted between the gripping members.

It is obvious from this construction that when the handle of the tool to be supported by the holder is inserted between the angular portion 16 of the gripping arms and pressure is applied thereto, the gripping members will be spread apart until the handle of the tool has entered between the curved portions of the gripping members and the coil spring 15 will normally hold the longer arms of the gripping members firmly around the handle of the tool, thereby supporting the same. It will be further noted that the outer connecting portions of the gripping members are rounded, as at 20, to facilitate the entrance and the removal of the article to be supported.

In Figs. 1 and 2 of the drawing, I have illustrated these gripping members as mounted within a housing. This housing comprises a plate 21 which is adapted to be mounted upon the wall in any suitable well known manner, and has extending therefrom a casing 22. The pins 13 are mounted adjacent the outer end of the casing 22, thereby inclosing the shorter arms 14 of the gripping members and allowing the longer arms to extend beyond the casing for receiving the article to be supported.

In Figs. 3 and 4 of the drawing where I have illustrated a modified means of sup-

port, I provide a pair of angularly-shaped plates 23 which are secured together, as at 24, by any suitable and well known means and the longer arms of these plates are provided with alining apertures 25 in which are mounted the pins 13 of the gripping members, whereby one or more articles may be supported upon the same bracket. Reference being had to Figs. 2 and 4 of the drawing, it will be noted that the central portion of the longer arms are held together by means of the coil spring which will obviously permit tools of small sizes as well as tools with large handles to be supported thereby.

What I claim is:—

1. An article holder comprising a casing, a pair of gripping members pivotally mounted in said casing, said gripping members being curved intermediate of their ends and the free ends thereof being bent outwardly, one of said members being formed with an elongated slot, the other of said members extending through said slot, the first mentioned member being formed with another elongated slot near the outer end thereof, the bent portion of the second mentioned member being adapted to normally rest within the second mentioned slot and the extremity of the second member extending outwardly from said second slot, thereby crossing the extremities of said members so that they may be readily spread, as and for the purpose described.

2. An article holder comprising a casing, a pair of gripping members pivotally mounted in said casing, the intermediate portions of said members being curved and the extremities thereof being bent outwardly, one of said members being provided with a pair of elongated slots, one of said slots being formed in said member near the inner end thereof, and the other slot being formed in the bent portion of said member, the other of said members extending through the slot in the inner end of the first mentioned member, the bent portion of the second mentioned member being adapted to rest within the other slot and the extremity of the second member extending outwardly from said second slot, as and for the purpose set forth.

3. An article holder comprising a casing, a pair of gripping members pivotally mounted in said casing, said gripping members being provided with a short arm and a long arm, one of the said long arms being provided with a pair of elongated slots, the other of said arms extending through one of said slots, the medial portion of said arms being curved and the extremities thereof diverging outwardly, the second mentioned arm adapted to rest within the other slot, and means connecting the short arms for normally holding the said long arms in their closed position.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

HERMAN HAUSSMAN.

Witnesses:
WM. S. HAZELTON,
JORGEN M. HANSEN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."