

R. HOLLINGSWORTH.
WOOD CARVER'S TOOL HOLDER.
APPLICATION FILED JUNE 10, 1911.

1,031,183.

Patented July 2, 1912.

Fig. 1

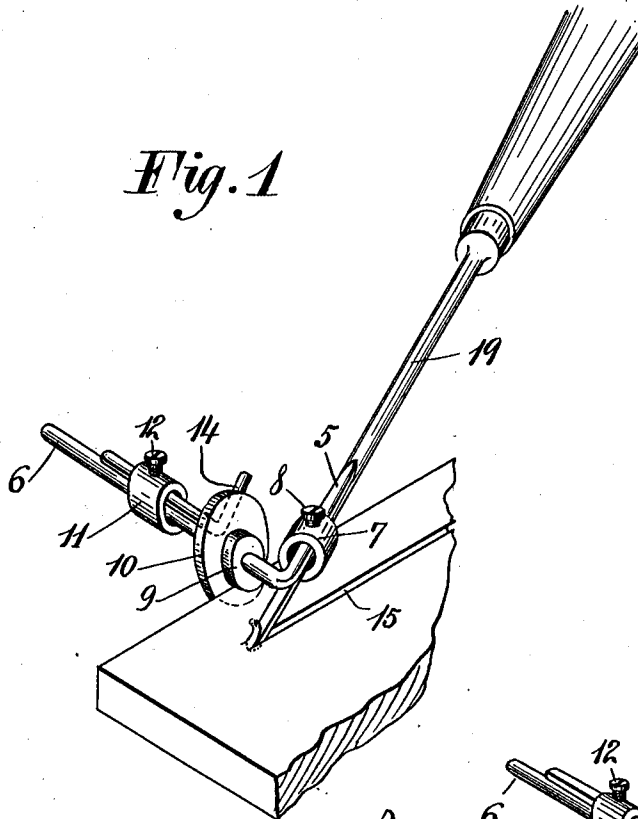


Fig. 2

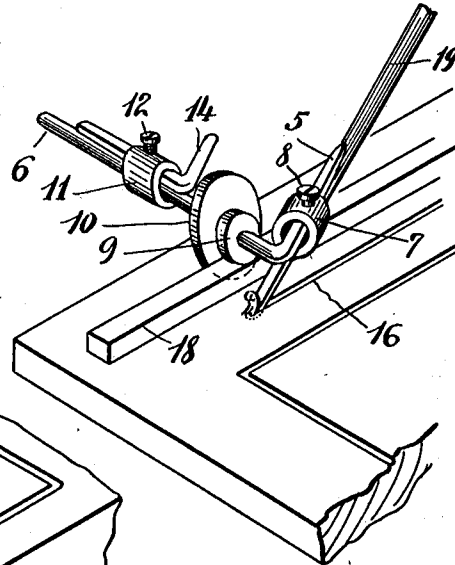
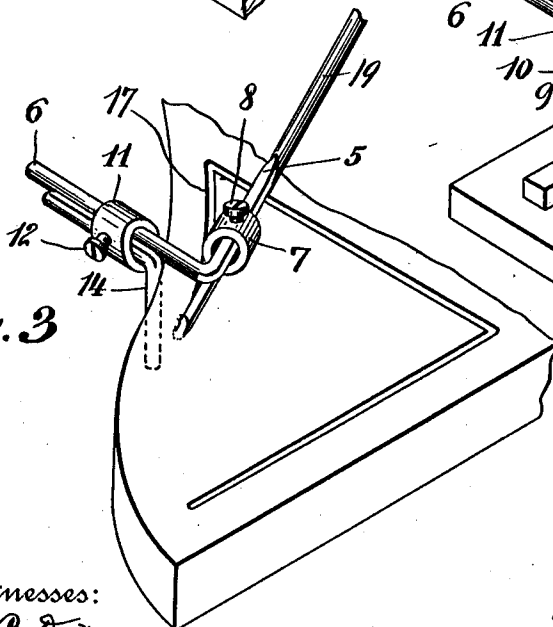


Fig. 3



Witnesses:
Charles B. Davis.
Lila B. Harner.

Inventor
Robert Hollingsworth
By his Attorney H. H. Family

UNITED STATES PATENT OFFICE.

ROBERT HOLLINGSWORTH, OF NEW YORK, N. Y.

WOOD-CARVER'S TOOL-HOLDER.

1,031,183.

Specification of Letters Patent.

Patented July 2, 1912.

Application filed June 10, 1911. Serial No. 632,356.

To all whom it may concern:

Be it known that I, ROBERT HOLLINGSWORTH, a citizen of the United States of America, residing at the borough of Manhattan, in the city, county, and State of New York, have invented certain new and useful Improvements in Wood-Carvers' Tool-Holders, of which the following is a specification.

My invention relates to wood carvers' tools, and it consists in the combination with a tool holder of particular form, of a guide-holder so arranged that it will materially aid the artisan in producing the work he desires to effect.

Figure 1 is a view, in perspective, of this tool, secured to a graving tool supposed to be held by the hand of an artisan, showing also some work which has been already done, the stop 11-12 and the ogee guide 14, having been moved slightly to the left of their actual position, when in use, in order to more completely show the details of the respective parts. Normally one would bear against wheel 10. Fig. 2, is a similar view, showing the adaptability of the tool to work in places widely separated from the exterior face of the block which is being cut, the stop and ogee guide, here too, being shown at the left of their normal position. Fig. 3, is a third view of a similar character, but illustrating the convenience of the tool for use as a guide in cutting curved or what are termed ogee lines.

In wood engraving, wood carving and kindred work, it is often necessary to form long lines, straight or curved. The formation of perfect lines of that character, is very difficult. The hand of the graver must be very skilful and his eye very good or imperfections will result. Consequently such work is more slowly done and, too, is more expensive than though it required less skill and less time. My tool holder is intended to permit much of this work to be done more rapidly and by the exercise of less skill.

I provide first a rod bent into substantially the form shown, with one arm 5 at a substantially right angle to the other arm 6. The arm 5 may taper and may be flattened if preferred. It is provided with a tool holding clip, in this instance composed of a ring 7 and a set screw 8. The other arm 6, is round near the angle, in order that it may constitute an axle or shaft for the guide wheels 9, 10. It is also provided with a

stop and holder composed of a ring 11 and a set screw 12. There is also an ogee guide 14, usually a rigid but light wire bent to an angle so that when one arm is held in the ring 11, the other arm will extend at a substantially right angle to the arm 6.

Now if a line (such as that shown at 15, Fig. 1) is to be cut, the graver 19 is inserted through ring 7, held therein as is arm 5, by turning down the set screw 8, the guide wheel 10, is set as far from the side edge of the graver as will equal the distance from the line of the intended cut to the edge of the piece to be graven, the stop 11, 12 is pushed up tightly against the outer face of wheel 10 and secured and the graver may then set the wheel 9 on the face of the work, the guide wheel 10 at the side, as shown, and then rapidly and perfectly execute the desired cut, assured that it will be on the exact line of the design. So simple is the work, when using this attachment, that persons of comparatively small skill may execute much work of this character, which, with the aid it furnishes to the more rapid execution of the work by skilled as well as unskilled persons, renders the cost of such work much less.

The wheel form of guide is much to be preferred for straight work and two wheels rather than one, turning on the arm of the attachment itself. With two wheels one may act as a roller lessening friction and insuring accuracy of guidance, while the other is really a stop, their mounting as described permitting close measurement and promoting economy as well.

Now if the line 16 of the design be far from the edge, this tool lends itself kindly to the situation, a straight edge 18 may easily be placed near enough to the intended line and the guide made to act upon and against that straight or other edge as though it were the main block itself. If however the line to be formed is curved, and particularly if ogee, on curves with short radii, the wheel 10 would not answer, so for such positions the ogee guide 14, a short, preferably round, rod with an arm at an angle, as shown adapted to be secured to the arm 6 and to be held rigidly at a right angle thereto, is provided. Equipped with this guide, the artisan may rapidly and perfectly execute the most intricate curves and ogees without danger of mistake, at the same time the entire tool is so small, so light, so economical in

first cost, that it may readily be carried about and applied, and does not lock up much capital in its ownership.

What I claim as my invention and desire to secure by Letters Patent, is:—

1. A graver's tool holder, composed of a right angled rod with two arms, one of which is rounded as set forth and adapted to constitute the axle for a wheel support, a tool holding sleeve adapted to receive and hold a tool and one arm of said rod, means for holding said tool and said arm in said sleeve, a guide holding sleeve mounted on the first arm of said rod and adapted to be adjustably secured to said arm and to act as a stop, an ogee guide mounted in said guide holder, means for holding said arm and said guide rigidly in said sleeve, and a supporting wheel mounted on said round arm of said rod, between said guide holding sleeve and the angle of said arm, all substantially as set forth.

2. A graver's tool holder, composed of a right angled rod with two arms, one of which is rounded as set forth and adapted to constitute the axle for a wheel support, a tool holding sleeve adapted to receive and

hold a tool and one arm of said rod, means for holding said tool and said arm in said sleeve, a guide holding sleeve mounted on the first arm of said rod and adapted to be adjustably secured to said arm and to act as a stop, a guide mounted on said arm, means for holding said arm rigidly in said sleeve, two wheels, one of which is a supporting wheel mounted on said rounded arm, between said guide holding sleeve and the angle of said arm, and is adapted to roll upon the surface of an elevated strip, and the other of which is of larger diameter and adapted to at the same time roll upon the face of the article to be graven, and by the use of said two wheels the coincident axes of the two is more easily kept in a given plane, all substantially as set forth.

In testimony whereof, I have signed my name to this specification in the presence of two subscribing witnesses, this 31st day of May, 1911.

ROBERT HOLLINGSWORTH.

Witnesses:

A. G. N. VERMILYA,
LILA B. WARREN.

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