

A. L. PARKER.
ATTACHMENT FOR SHEARS.
APPLICATION FILED MAY 8, 1911.

1,001,979.

Patented Aug. 29, 1911.

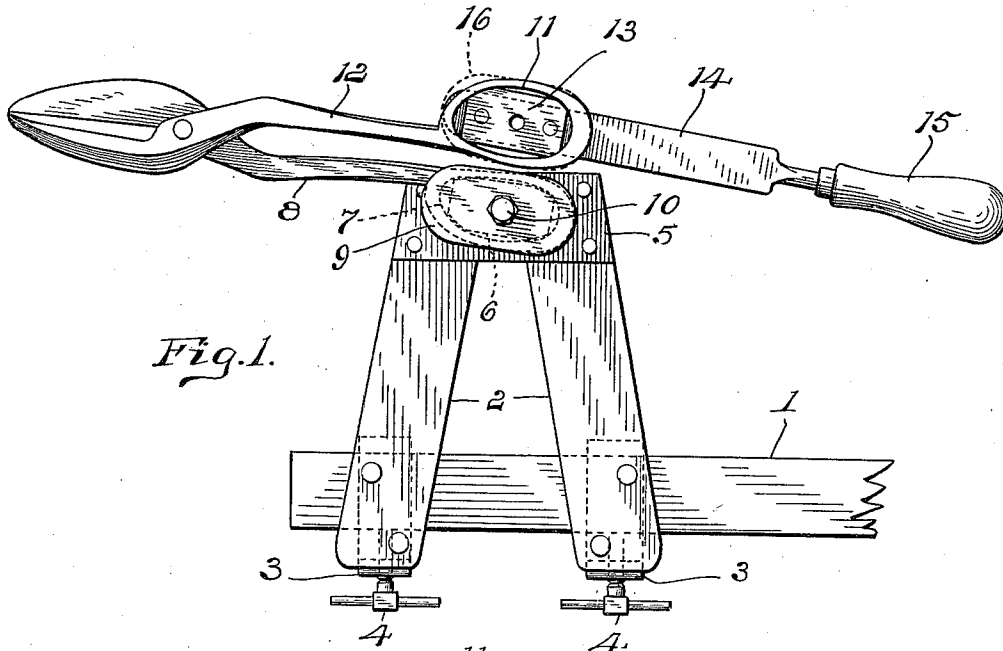


Fig. 1.

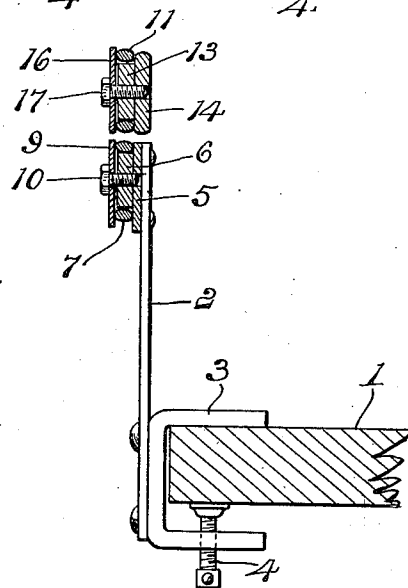


Fig. 2.

Witnesses
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ATTACHMENT FOR SHEARS.

1,001,979.

Specification of Letters Patent. Patented Aug. 29, 1911.

Application filed May 8, 1911. Serial No. 625,726.

To all whom it may concern:

Be it known that I, ALFRED L. PARKER, a citizen of the United States of America, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Attachments for Shears, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to an attachment for metal shears and its object is to provide a simple and convenient support and lever attachment for the ordinary hand shears, the invention consisting in the matters hereinafter more fully set forth and particularly pointed out in the claims, reference being had to the accompanying drawings, in which—

Figure 1 is a side elevation of a device embodying the invention with one of the clamping plates removed; and Fig. 2 is a vertical section through the same.

As shown in the drawings 1 represents a suitable table or bench to the edge of which a supporting bracket 2 is detachably secured by means of U-shaped clips 3 on the bracket provided with clamping screws 4 extending through the lower leg of the clip and engaging the under side of the table. The bracket is formed of two downwardly extending strips of sheet metal forming legs to the lower ends of which the clips 3 are riveted and at their upper ends the legs are connected by a cross strip 5 riveted thereto.

Riveted or otherwise secured to the cross strip 5 is a metal block 6 formed to fit within the loop or eye 7 of one handle or shank 8 of a pair of metal shears which are of the ordinary hand size and construction. A clamping plate 9 of a size to engage the outer side of the eye or handle portion 7 of the shears is secured over the stem by a screw bolt 10 to clamp the shears in place upon the supporting bracket 2.

Into the handle or eye portion 11 upon the shank 12 of the other blade of the shears is fitted a metal block 13 riveted or otherwise secured to a handle bar 14 extending rearwardly from the shank and provided at its rear end with a hand grip 15. The block 13 is clamped within the eye 11 to detachably secure the handle bar in place, by means of a clamping plate 16 secured against the handle of the shears by means of a screw bolt 17 passing through the blade into a screw-threaded opening in the block.

In the manufacture of certain metal prod-

ucts where sheet metal of approximately 20 gage is used, the ordinary power shears are too large and clumsy for the work and cannot be quickly and properly manipulated in cutting sharp curves and corners. The ordinary sized hand metal shears are the best adapted to the work but when used in the ordinary way the operator's hands soon become blistered from engagement with the eyes of the shears and his hand and arm so lame from the heavy work that he will soon be unable to continue. To support the shears in the most convenient position the bracket 2 is provided to which the shears may be quickly attached and to increase the leverage upon the shears and greatly aid the operator in their manipulation, the handle bar 14 is provided, which bar may be readily attached to the ordinary shears. The operator upon this class of work usually furnishes his own tools including metal shears, and to obviate the necessity of his furnishing more than one pair of hand shears, they may be quickly detached from the bracket and the handle bar removed when it is desired to use the shears in the ordinary way. It is also necessary to provide a cheaply constructed attachment so that the operator may afford to provide the attachment as well as the shears.

Having thus fully described my invention what I claim is:—

1. The combination with metal shears having handle eyes, of a bracket for supporting the shears, a block on the bracket to fit within the eye of one handle of the shears, and means for detachably securing the handle in place on the block.

2. The combination with metal shears having handle eyes, of a supporting bracket for the shears, a block on the bracket fitting within the eye of one handle of the shears and a clamping plate detachably secured to the block in engagement with the other handle to hold the same in place upon the block.

3. The combination with metal shears having handle eyes, of a supporting bracket for the shears, means on the supporting bracket for detachably engaging the eye in one handle of the shears, a handle bar to form an extension for the other handle of the shears, and means on the handle bar detachably engaging the eye of the shear handle.

4. The combination with metal shears having handle eyes, of a supporting bracket, a block on the supporting bracket fitting with-

in the eye of one handle of the shears, means for detachably securing the handle in place upon the block, a handle bar forming an extension for the other handle of the shears, a block on the handle bar fitting within the eye of the handle of the shears, and means for detachably securing the block within the eye.

5. The combination with metal shears having handle eyes, of a bracket provided with downwardly extending legs, clips on the lower ends of said legs to embrace the edge of a table, binding screws carried by the clips to engage the table and secure the bracket in place thereon, a block on the upper end of the bracket formed to fit within the eye of one handle of the shears and provided with a screwthreaded opening, a

clamping plate to engage the outer side of the handle of the shears and provided with an opening, a screw bolt passing through the clamping plate and engaging the screwthreaded opening in the block to clamp the handle in place upon the block, a handle bar forming an extension of the other handle of the shears, means on the handle bar engaging the eye in the handle of the shears and detachably securing the handle bar thereto and a hand grip on the end of the handle bar.

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

ALFRED L. PARKER.

Witnesses:

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