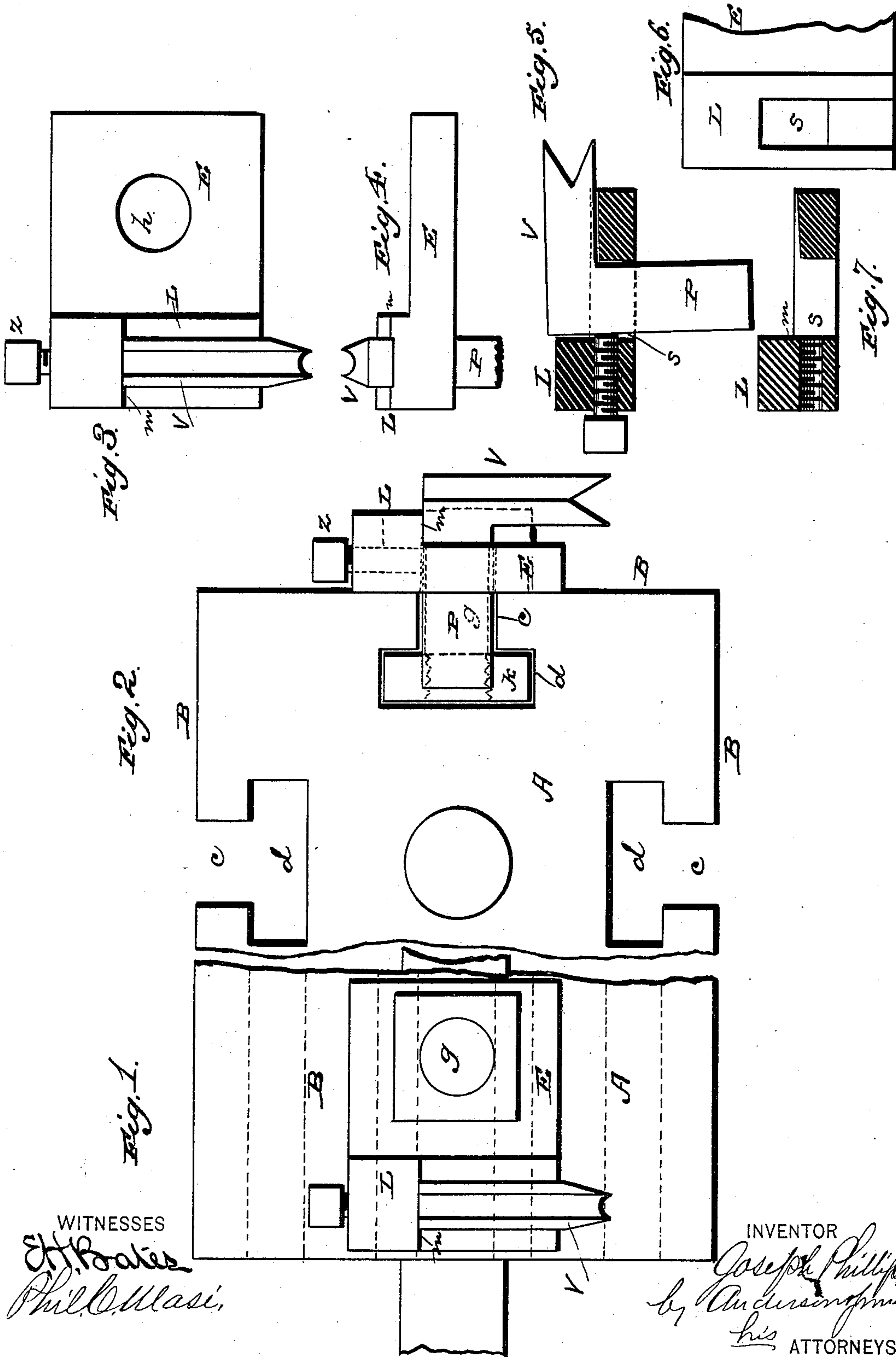


(Model.)

J. PHILLIPS.
MOLDING CUTTER.

No. 308,520.

Patented Nov. 25, 1884.



WITNESSES

E. H. Boates
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INVENTOR

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UNITED STATES PATENT OFFICE.

JOSEPH PHILLIPS, OF EAST SAGINAW, MICHIGAN.

MOLDING-CUTTER.

SPECIFICATION forming part of Letters Patent No. 308,520, dated November 25, 1884.

Application filed September 13, 1884. (Model.)

To all whom it may concern:

Be it known that I, JOSEPH PHILLIPS, residing at East Saginaw, in the county of Saginaw and State of Michigan, have invented
5 certain new and useful Improvements in Molding-Cutters; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use.
10 the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a face view of
15 my device. Fig. 2 is an end view of the same. Figs. 3, 4, 5, 6, and 7 are detail views.

This invention has relation to improvements in wood-working lathes and machines for cutting moldings; and it consists in the construction and novel arrangement of devices, as hereinafter set forth, and pointed out in the appended claims.

In the accompanying drawings, the letter A designates the rotating head to which the cutters are connected. This head is usually rectangular, being formed with four faces, B. In each face is made a slot, *c*, which is enlarged below at *d*, to receive the nut which engages the bolt whereby the cutter is usually fastened
30 to the head.

E represents an attachment-plate, which is designed to be secured to the face B by a bolt, *g*, which passes through a perforation, *h*, of the plate into the slot *c*, and engages a nut, *k*,
35 in the enlargement *d* of said slot. This plate is formed with a raised seat, L, at one end, and said seat has a shoulder, *m*, at its back, a squared socket, *s*, in front of the shoulder, extending through the plate, and a set-screw, *z*,
40 extending through the shoulder-body in position to engage the tang P of the knife or cut-

ter V, which passes through the socket-opening *s* into the slot of the head A, the body of the cutter resting solidly against the raised seat L and its rear end against the shoulder
45 *m*. The cutter-point projects a little in front of the front edge of the attachment-plate, as shown. In some operations the knife is adjusted in the socket *s* according to the depth of cut required, the knife being, after the ad-
50 justment, fastened by the set-screw. This attachment is adapted for use in cutting moldings of various patterns and different sizes, and in cutting lapping edges for boards. It is very solid, and cannot be driven back by
55 knots in the work. The cutter is held not only by the attachment, but by the engagement of its tang with the slot of the cutter-head, so that it is kept from shifting out of place in a secure manner.

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

1. The attachment for machines for cutting moldings, consisting of the plate E, having on its outer side the seat-rise L, the shoulder *m*,
65 arranged on the said seat-rise, the transverse socket *s*, for the reception of the tool-tang, and the set-screw *z*, adapted to hold the said screw to the plate, substantially as specified.

2. The combination, with the plate E, hav-
70 ing the socket *s*, arranged as described, of the cutter having a tang, P, extending through the said socket into the slot of the cutter-head, set-screw for securing the said tang to the plate E, and means for securing the plate to
75 the cutter-head, substantially as specified.

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

JOSEPH PHILLIPS.

Witnesses:

JOHN E. NOLAN,

WALLACE GUTHRIE.