No. 768,234. PATENTED AUG. 23, 1904.

H. R. MILES.

MOLDING BIT.

APPLICATION FILED JUNE 10, 1903.

NO MODEL.

Fig. 1.

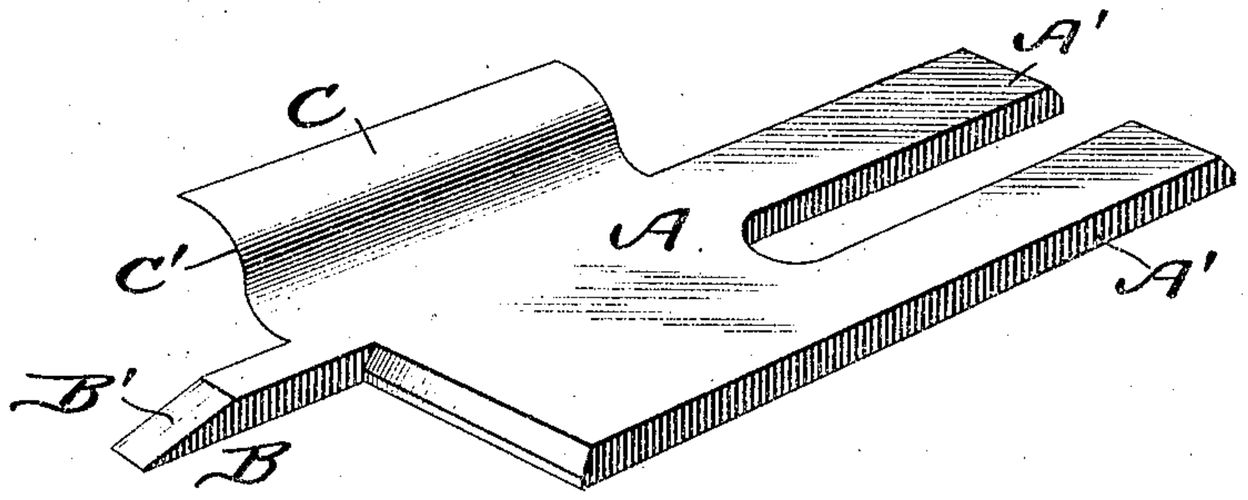
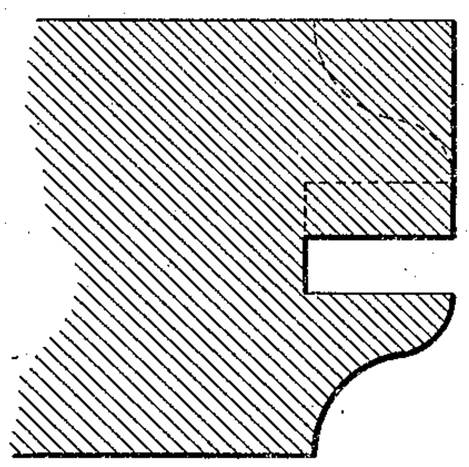


Fig. 2.



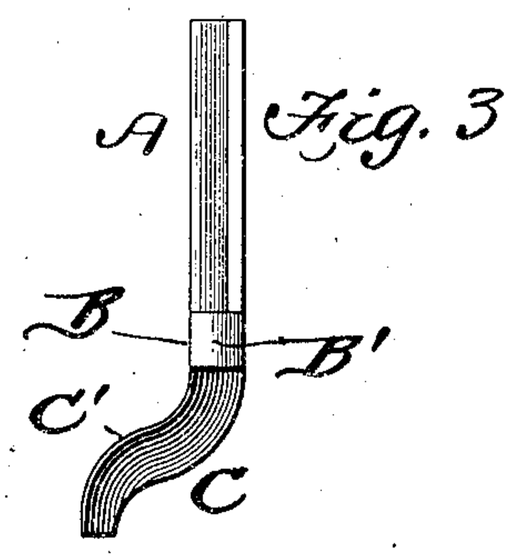


Fig. 3

Witnesses

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No. 768,234. Patented August 23, 1904.

UNITED STATES PATENT OFFICE.

HANFORD R. MILES, OF UPLAND, INDIANA.

MOLDING-BIT.

SPECIFICATION forming part of Letters Patent No. 768,234, dated August 23, 1904.

Application filed June 10, 1903. Serial No. 160,923. (No model.)

To all whom it may concern:

Be it known that I, HANFORD R. MILES, a citizen of the United States, residing at Upland, in the county of Grant and State of Indiana, have invented a new and useful Molding-Bit, of which the following is a specification.

My invention is an improvement in molding-bits, and has for its object to provide a bit of this kind which can be used on any square-head machine, one which can be sharpened without the cut of the mold being changed and in which the bit is so constructed as to make a clean shear cut, as in a dado-bit, whereby it is adapted to cut across the grain, and being firmly fastened to the head is also enabled to resist the lead of the grain and cut with it.

With these objects in view my invention consists in the novel features of construction and combination hereinafter described, particularly pointed out in the claims, and shown in the accompanying drawings, in which—

Figure 1 is a perspective view of one member of the door-bit. Fig. 2 is a section through a portion of a door-stile, one side being shown as cut and the cut to be made by the other member of the bit being shown in dotted lines. Fig. 3 is a front edge view of the bit.

In the construction of these bits I employ the flat metal body A, bifurcated at one end forming the two parallel shanks A′. These bits carry a narrow forwardly-extending prong B, one of the sides of said prong being in alinement with the outer side of one of the shanks, the prong being beveled, as shown at B′, to form a cutting edge transverse to the longitudinal axis of the prong. On the same side of the plate A as the prong B is an integral cutting-blade C, curved outwardly and laterally from the plate A in a compound curve, the forward portion of the blade C being coextensive with the rear portion of the prong B. The blade C has a cutting edge on its forward edge, as shown at C′. These bits are used in pairs, but one member of the pair being shown in the drawings. When in operative position, each of the members of the pair will act on one side of the door-stile. Bits formed as above described can be used with, against, or across the grain.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A bit of the kind described comprising a flat body portion having parallel, integral, rearwardly-extending shanks, a forwardly-projecting beveled prong in alinement with one of the shanks, and an upwardly and outwardly curved cutting-blade integral with one side of the body portion and coextensive with a portion of the prong.

2. A bit of the kind described comprising a flat body portion having parallel, rearwardly-extending shanks, a forwardly-projecting prong in alinement with one of the shanks, the forward end of said prong being beveled to form a straight cutting edge, and a compound curved cutting-blade extending upwardly and laterally from the side of the body portion adjacent the prong.

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