(No Model.)

C. F. BRENT & A. LANG.

COMBINED HAMMER AND PLANER.

No. 351,039. Patented Oct. 19, 1886.

Fig. I.

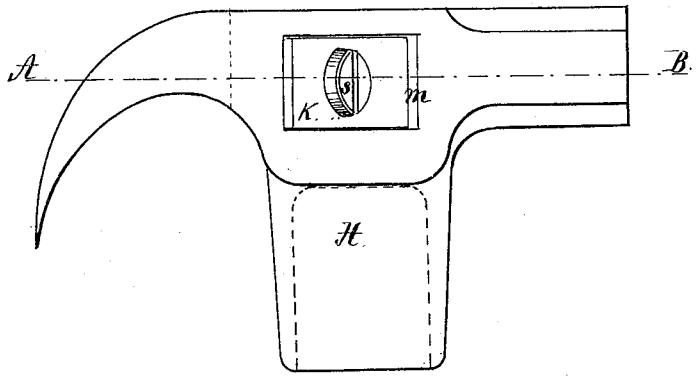
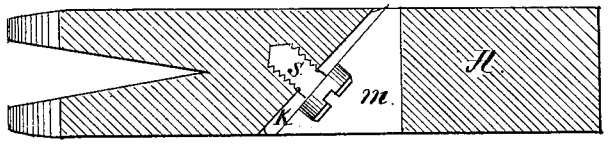


Fig. II.



Attest.
F. P. Fredrick
Hugh Saul

Inventors
Charles F. Brent
Alfred Lang

N. PETERS. Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

CHARLES F. BRENT AND ALFRED LANG, OF MOUNT VERNON, OHIO.

COMBINED HAMMER AND PLANER.

SPECIFICATION forming part of Letters Patent No. 351,039, dated October 19, 1886.

Application filed April 23, 1886. Serial No. 199,968. (No model.)

To all whom it may concern:

Be it known that we, CHARLES F. BRENT and ALFRED LANG, of Mount Vernon, in the county of Knox, in the State of Ohio, have invented a new and useful Improvement in Hammers, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

The improvement relates to that class of hammer known as a "claw-hammer," which is in general use by wood-workers, and by carpenters in particular.

In fitting up siding, cornice, and casings, and for various other work, our improvement is of advantage, for in case a board after being sawed does not fit it may be planed, and thus made to fit, by our combined hammer and plane, thus avoiding the trouble of carrying a plane individually for that purpose.

Figure I is a side view of the combined hammer and plane, showing the hole or throat for receiving plane bit or knife in the central part of the hammer. Fig. II is a plan and section through A B, showing more clearly the throat and the angular position of the bit or knife.

The hammer H is provided with an opening, *m*, which extends from side to side, and the rear wall of this opening is inclined and forms a bed for the bit K, which is secured thereto by the set-screw S. The front wall is straight or at right angles to the sides or longitudinal center of the hammer. By this construction a throat is formed through the body of the hammer from side to side, which is contracted at one end and widened at the other end. The edge of the bit projects through the contracted end of the throat, and the butt or heel is located within the widened end, so as to be out of the way and not interfere with the free use of the hammer.

The hammer is provided with a tang or socket, H′, which is adapted to receive the end of the handle (not shown) in a manner well understood. It projects at right angles to the opening *m*, so as not to interfere with the operation of the plane. A claw, H^2, extends from one end of the hammer-head in the ordinary manner and for the purposes well known to mechanics.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. The combination, with the hammer-head having a planing-throat formed therethrough and provided with a tang projecting from a side thereof for the reception of the handle, of a planing-bit located in said throat, substantially as and for the purpose described.

2. As an improved article of manufacture, a combined hammer and plane consisting of the hammer-head having a claw at one end, a planing-throat of the usual construction formed through its sides for the reception of the plane-bit, and a tang for securing the handle thereto projected from one side at right angles to the planing throat, substantially as shown and described.

In testimony whereof we have hereunto signed our names, in presence of two attesting witnesses, at Mount Vernon, in the county of Knox and State of Ohio.

CHARLES F. BRENT.
ALFRED LANG.

Witnesses:
T. P. FREDRICK,
HUGH NEAL.