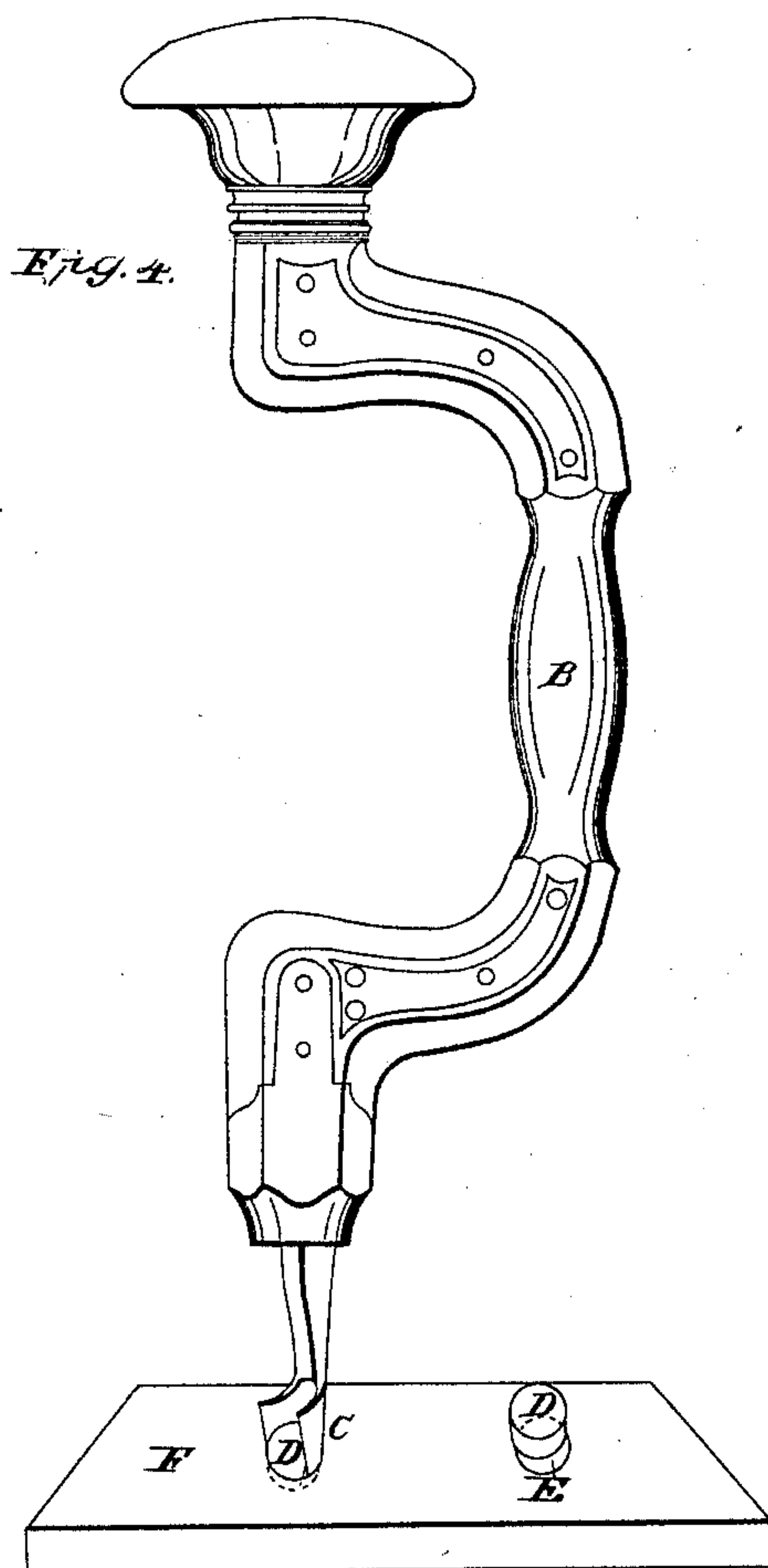
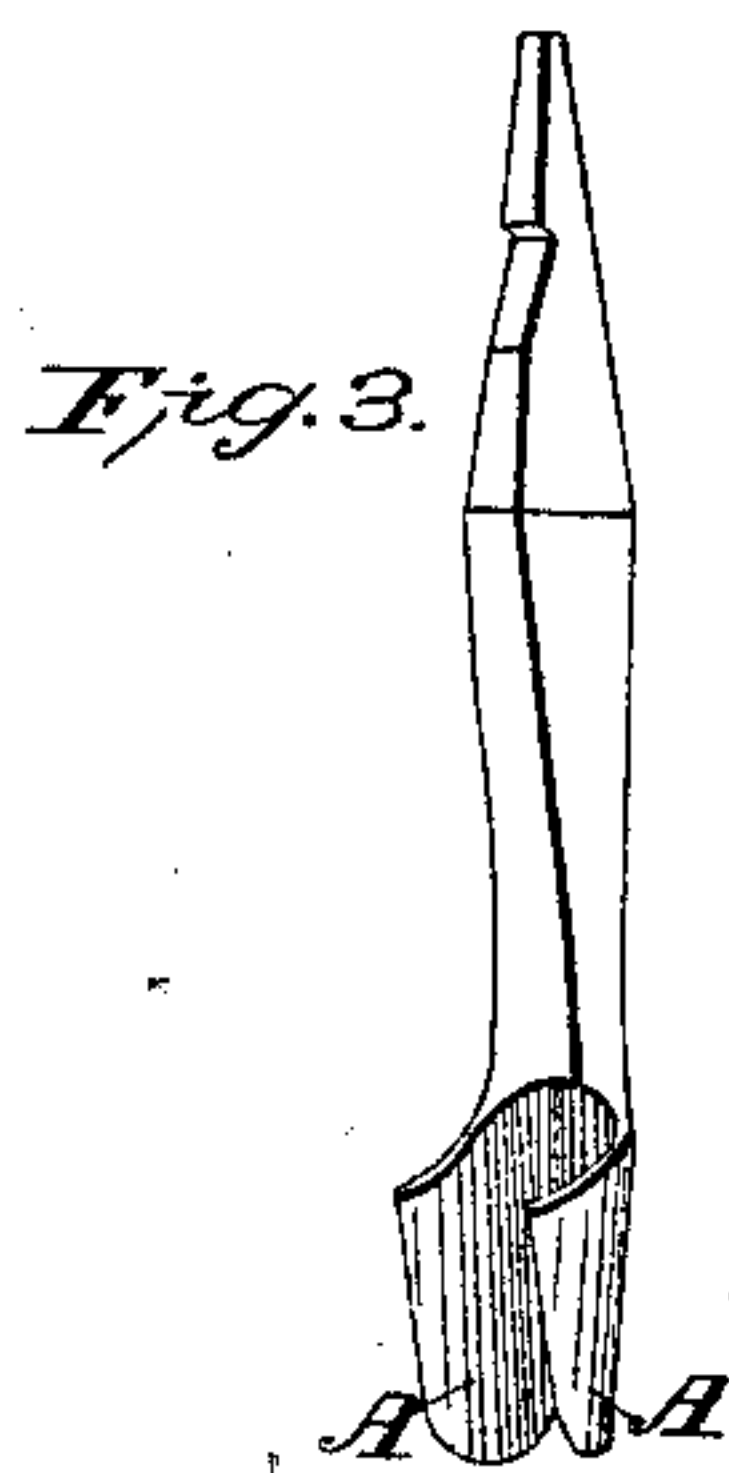
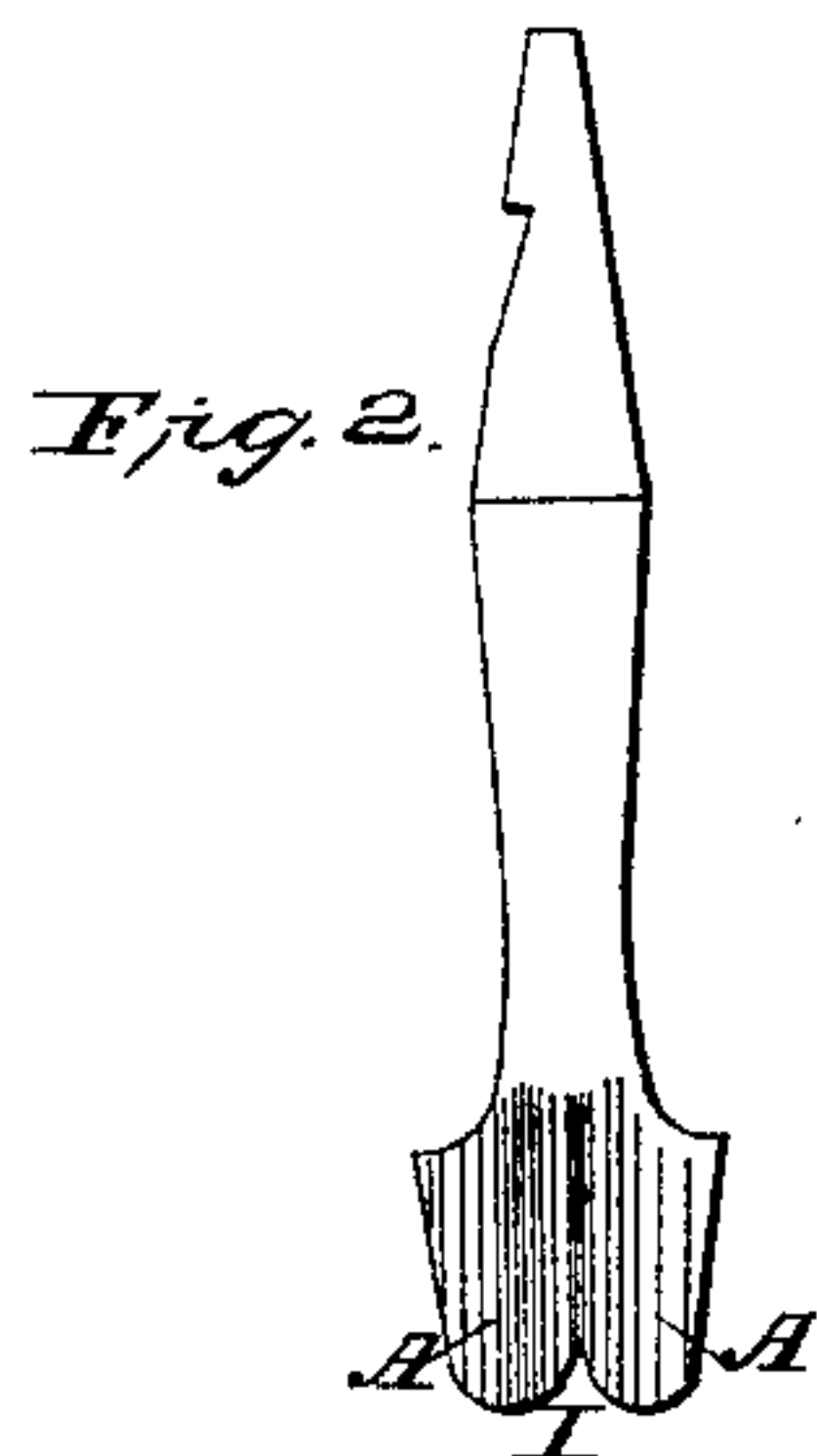
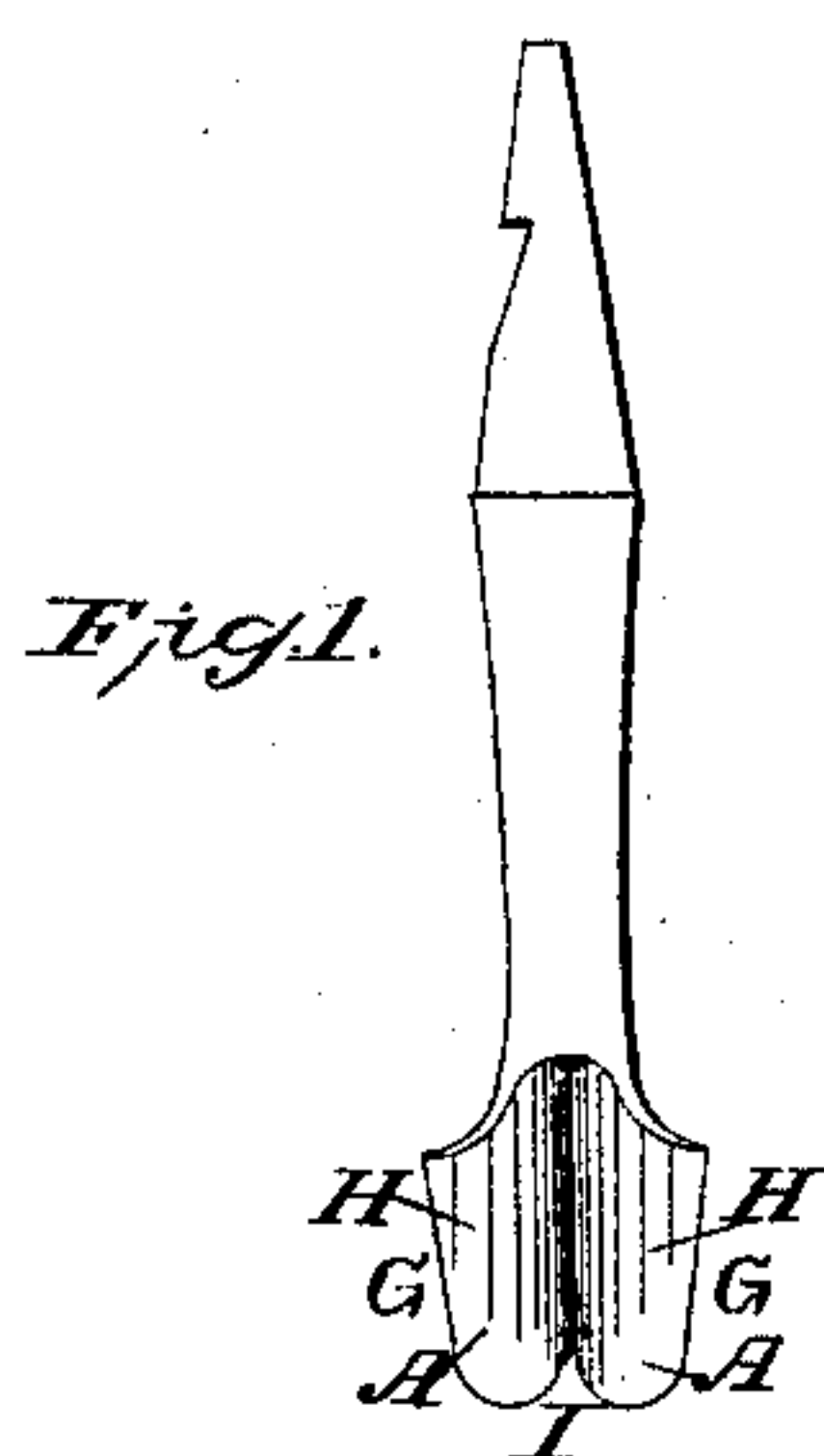


C. M. Saladee,

Bit Stock.

N^o 17,395

Patented May 26, 1857.



Witnesses:
M. S. Tourley
Wm. Gunther.

Inventor:
C. M. Saladee.

UNITED STATES PATENT OFFICE.

C. W. SALADEE, OF COLUMBUS, OHIO.

BIT FOR CUTTING OUT CYLINDRICAL PLUGS OF WOOD.

Specification of Letters Patent No. 17,395, dated May 26, 1857.

To all whom it may concern:

Be it known that I, CYRUS W. SALADEE, of Columbus, Ohio, have invented a new and Improved Brace-Bit for Cutting Out
5 Round Blocks or Plugs of Wood to Fill Countersunk Screw-Holes; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and the letters
10 of reference marked thereon.

The nature of my invention consists in providing a brace-bit with two projecting lips A A, as seen in Figures 1, 2, and 3, by which means a round plug D, Fig. 4, is cut
15 out of the thin board F.

In constructing carriage bodies or any other articles of wood which require a finished surface, it is found necessary to countersink the screws used in their construction
20 sufficiently deep to admit a wood plug, which is finished off even with the surface of the work, and thus obviating the use of putty. In each carriage body there is from 30 to 100 of those "screw plugs" used, but having
25 had to be made without the aid of any instrument to cut them out of the board, they could not always be perfectly round, nor one like the other; hence the difficulty of getting them to fit properly. Moreover, the
30 old way of making those plugs consumed

an unreasonable length of the workman's time. But by the aid of my "plug-bit" a person can very readily cut out 400 in one hour and will make them all of one size and perfectly round.

The bit is constructed as follows, viz: If it is not convenient to make a bit expressly for the purpose, an ordinary pot bit the required size may be taken and a notch I filed in the end, as represented in Figs. 1
40 and 2, and thus form the projecting lips or cutters A A. Those projecting lips, as well as the side edges G, G, Fig. 1, are brought to a sharp edge from the inside and by that means causing the outside of the bit to be
45 perfectly straight, or without any bevel.

Fig. 1 is a front view of the bit, Fig. 2 a back view. Fig. 3 represents it in perspective, and Fig. 4 represents the bit in the act of cutting out the plug D.
50

Now what I claim as my invention and desire to secure by Letters Patent is,

The projecting lips, or cutters, A A, as shown in Figs. 1, 2, and 3 for the purpose of cutting out round plugs of wood, in the
55 manner, substantially as set forth.

CYRUS W. SALADEE.

Witnesses:

M. G. TOUSLEY,
WM. GUNTHER.