

No. 643,717.

Patented Feb. 20, 1900.

J. L. INGALSBE.

RASP.

(Application filed June 22, 1899.)

(No Model.)

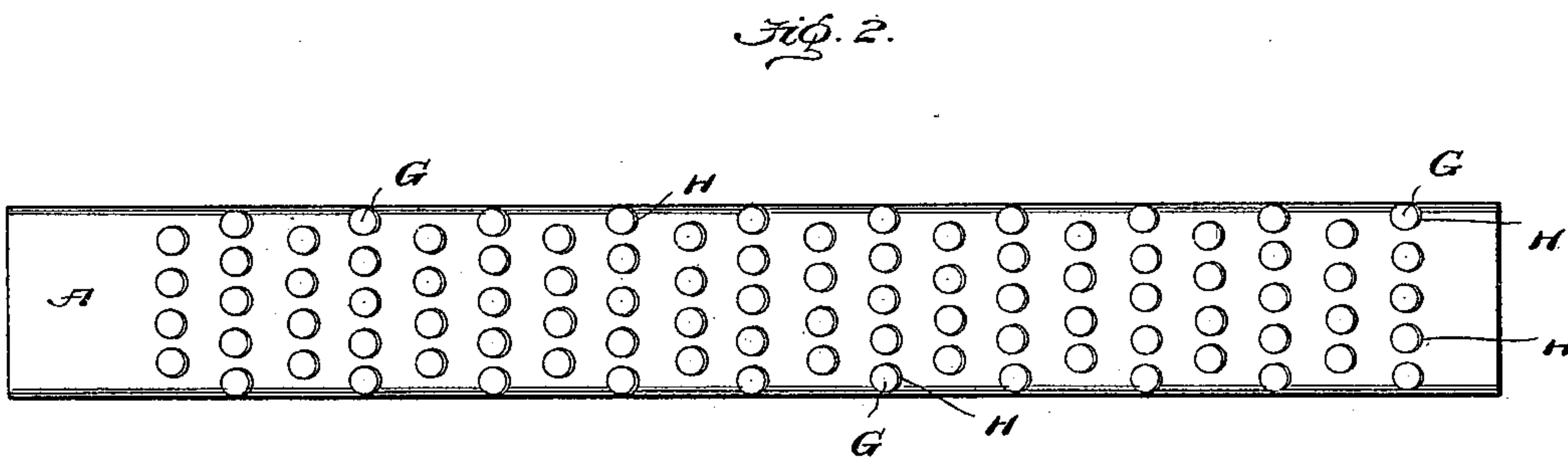
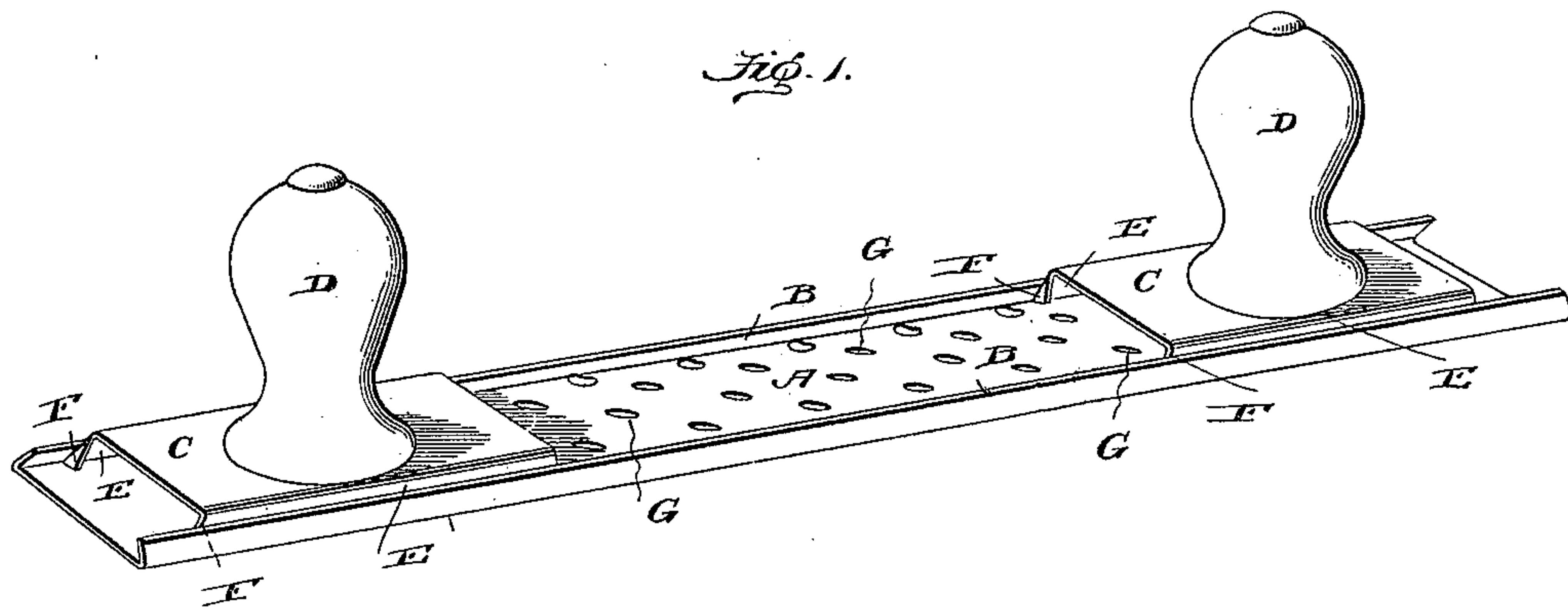
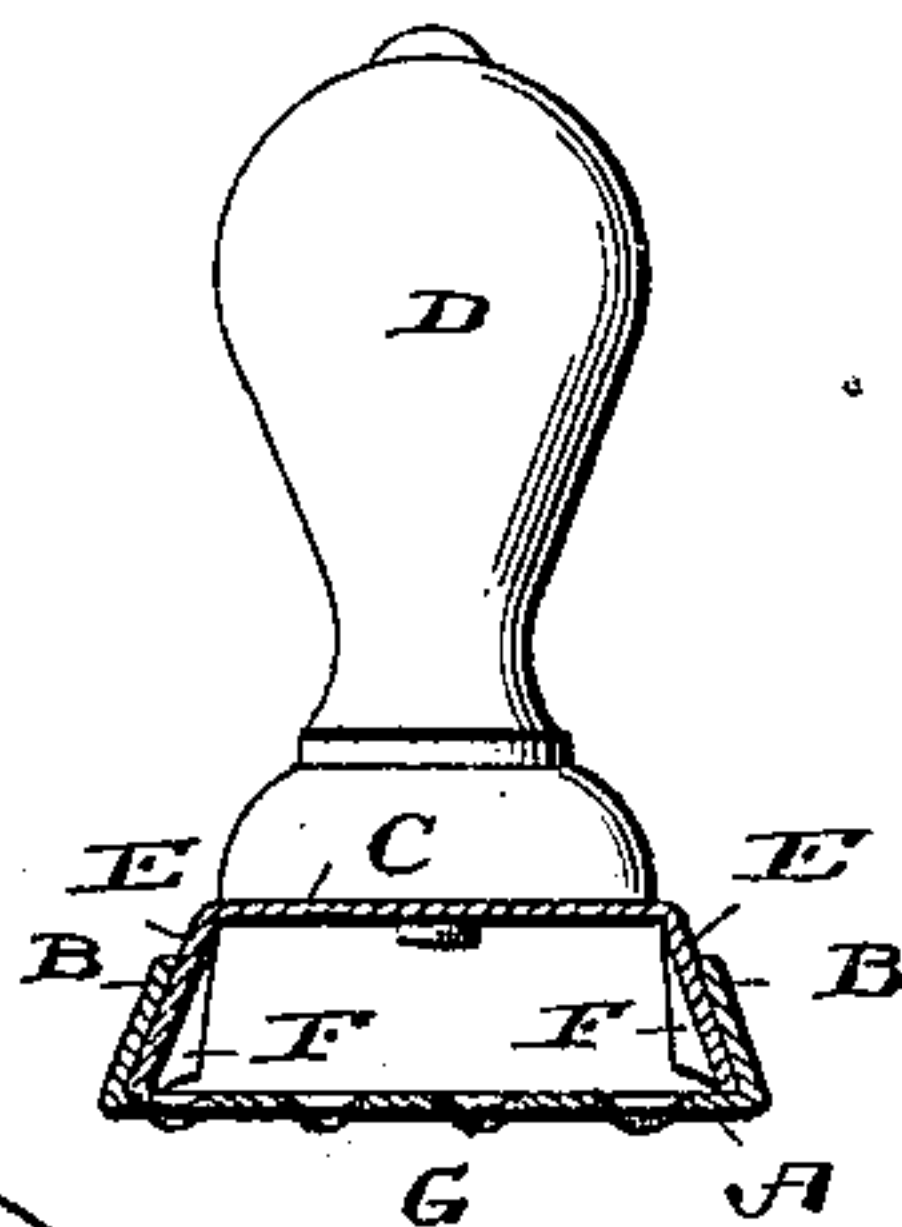


Fig. 3.



Witnesses:

*Wm. C. Ashiee*  
*May 6, 1900.*

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Atty

# UNITED STATES PATENT OFFICE.

JAMES L. INGALSBE, OF GLENS FALLS, NEW YORK.

## RASP.

SPECIFICATION forming part of Letters Patent No. 643,717, dated February 20, 1900.

Application filed June 22, 1899. Serial No. 721,432. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES L. INGALSBE, a citizen of the United States, residing at Glens Falls, in the county of Warren and State of New York, have invented certain new and useful Improvements in Rasps, of which the following is a specification.

My invention relates to improvements in rasps; and the object of my invention is the provision of a rasp specially adapted for blacksmiths.

Another object of my invention is the provision of a rasp which is constructed of metal, which when slightly worn can be easily and quickly sharpened and made ready for use, and which is very simple, durable, and cheap in construction and very useful and practical.

To attain the desired objects, my invention consists of a rasp embodying novel features of construction and combination of parts, substantially as disclosed herein.

Figure 1 is a perspective view of my improved rasp. Fig. 2 is a bottom plan view, and Fig. 3 is a cross-section.

In the drawings, A designates the plate, which is provided with the inturned converging sides B, which are adapted to protect the operator from contacting the rasping part and also for a means whereby the plates C of the handles D are held in place as the sides or edges E of the plates extend outward and exert a tension against the inner sides of the sides B of the plate A, thus making a tight connection between the handle-plates and the rasping-plate, and to facilitate the easy securing or placing the handles in position I provide the sides E with the inturned ends F, which allow the plates to be guided properly in between the sides of the rasping-plate.

Formed through the body of the rasping-plate are the openings G, which may be of any shape, but preferably circular, and these openings are so made or punched as to be provided with the cutting edges H, which all slant in the same direction, the openings, however, being arranged in rows and arranged also alternately, as shown in Fig. 2.

From this description, taken in connection with the drawings, it is readily seen that I provide a very simple, durable, and inexpensive rasp, and should it in any way become dull the same is easily sharpened by running a small file through the openings and making a cutting edge, as evident.

I claim—

1. A rasp, consisting of a plate provided with the inturned edges, handles carrying plates to fit between the sides of said plate, and cutting edges formed from the body of said plate.

2. A rasp, consisting of a plate provided with inturned sides, a pair of handles having means to hold them between the edges of the plate, and cutting edges formed from the body of the plate.

3. A rasp, consisting of a plate provided with inturned edges, and a series of rows of openings provided with cutting edges there-through, and handles held in place by said inturned edges.

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

JAMES L. INGALSBE.

Witnesses:

DANIEL S. CHERITREE,  
JOHN M. HOLMES.