

(Model.)

P. WAHL.

MACHINE FOR HONING RAZORS.

No. 355,956.

Patented Jan. 11, 1887.

Fig. 1.

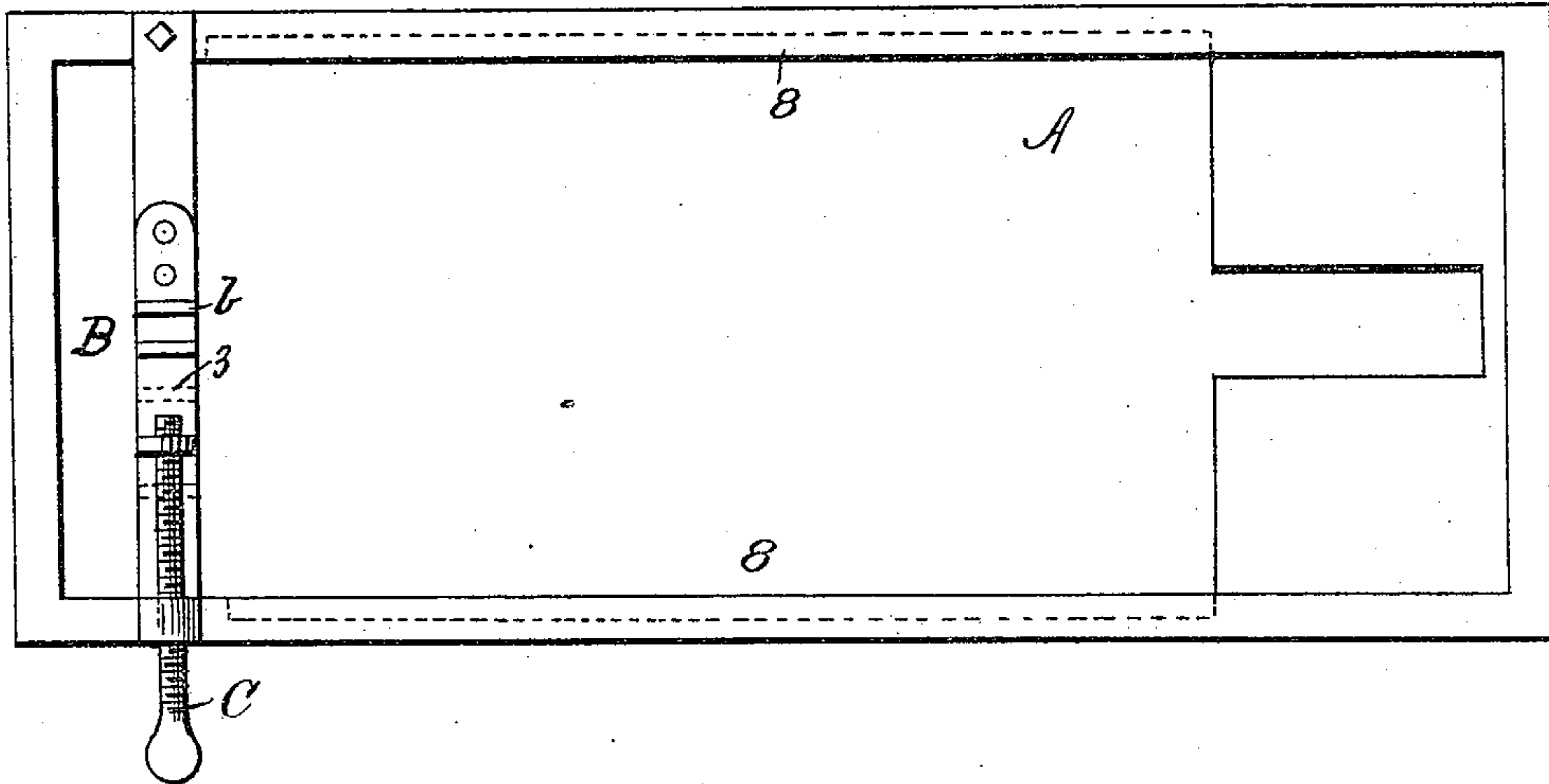
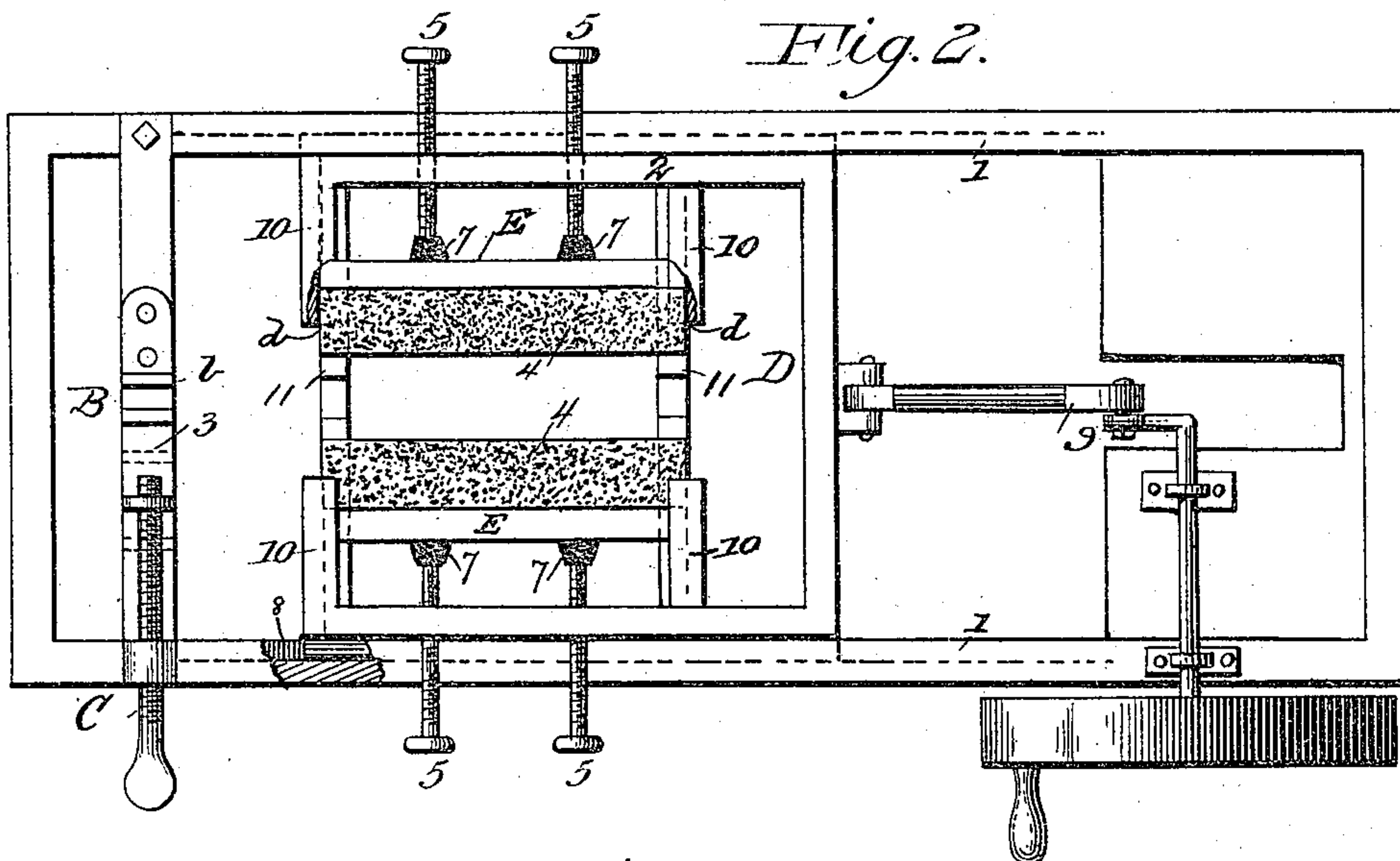


Fig. 2.



Witnesses:
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MACHINE FOR HONING RAZORS.

SPECIFICATION forming part of Letters Patent No. 355,956, dated January 11, 1887.

Application filed February 17, 1886. Serial No. 192,284. (Model.)

To all whom it may concern:

Be it known that I, PETER WAHL, a citizen of the United States, residing at North Vernon, county of Jennings, and State of Indiana, have
5 invented a new and useful Machine for Honing Razors, of which the following is a specification.

My invention is an improved machine or apparatus for honing razors; and it consists in
10 certain features of construction and novel combinations of parts, hereinafter described and claimed, whereby the razor or other similar blade may have the sides of its thick back edge honed off quickly and evenly, so the edge may
15 be subsequently presented to the strap in such manner as to be given a better edge and that easier than when the razor is treated in the ordinary manner.

In the accompanying drawings, Figure 1 is
20 a plan view of the support, the carrier being removed; and Fig. 2 is a plan view of the machine, the carrier being in place.

My machine comprises a support and a carrier mounted thereon and movable, as will be
25 described.

The support A is provided with a clamp, B, consisting of a fixed jaw, *b*, and a sliding jaw, 3, the latter being operated toward and from jaw *b* by a screw, C. This clamp binds
30 the tang of the blade and serves to secure said blade in the operation of the machine.

The carrier D, or, as it may be termed, the "sash," is in the construction shown a rectangular frame, held and movable longitudinally
35 in guides 8 in the sides 1 of the main frame or base. This carrier is provided with transverse arms or bars 10, having central slots or openings, 11, formed from their upper sides, to provide a passage for the blade in the operation of the device. The inner faces of these
40 bars 10 are grooved at *d*, forming guides for the stones 4 and the bars E, which bear against and adjust said stones, as shown. These bars E are adjusted by means of screws 5, turned
45 through the side of the carrier-frame and bearing against the bars. At their inner ends the screws are cushioned at 7, preferably by tubes formed of rubber, so that the stones and their bars have a yielding movement or slight adjustment back from the position to which they
50 may be set by the screws.

Manifestly the bars E might be omitted; but I prefer to employ the same, as thereby the stones or hones 4 are braced, and the possible

fracture of such stones is avoided. The bars
10 of the carrier-frame are notched out at *f*, to receive the thick back edge of the razor being sharpened. Motion may be given to the carrier by a crank-shaft connected with pitman
9, or in other suitable manner. 60

In operation the blade has its tang secured by clamp B, and its thick back edge arranged between the honing stones. Wet sand may be placed between said stones and the blade, when, by moving the sash or carrier rapidly
65 back and forth the sides of the back of the razor will be quickly honed down, reducing the thickness of such back. Now, it will be seen that in the use of my machine I do not
70 touch the sharp edge of the razor, but reduce its thick back by honing off the sides thereof. After the back has been properly reduced in thickness the blade is in the proper shape to be laid on the strap, and but little strapping
75 is required to put the razor in condition for shaving. The reduction of the back of the razor facilitates this strapping, for the reason that before the reduction of the thick back strapping would have a tendency to round off
80 the edge of the razor, while after such reduction of the back the blade takes the strap back from the edge, saving the edge from being quickly rounded and prolongs the edge, as will be seen.

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

1. The combination of the base or main frame having guides for the carrier, a clamp for securing the razor, the carrier movable
90 longitudinally in the guides of the main frame and provided with bars 10, having central slots or openings, 11, and provided with grooves *d*, the hones held and movable in said grooves *d*, and screws for adjusting
95 said hones, substantially as set forth.

2. The improved machine for honing razors, consisting of the base or main frame having guides for the carrier, the razor-clamp, the carrier having a front cross-bar, and provided
100 with bars 10, having slots or openings 11, and provided with grooves *d*, the hones held and movable in said grooves *d*, the bars E, the screws 5, and the cushions 7, all substantially as described, and for the purposes specified. 105

Witnesses:

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