

(No Model.)

C. M. PALMER.

WHETSTONE FOR ANIMAL CLIPPERS.

No. 432,431.

Patented July 15, 1890.

Fig. 1.

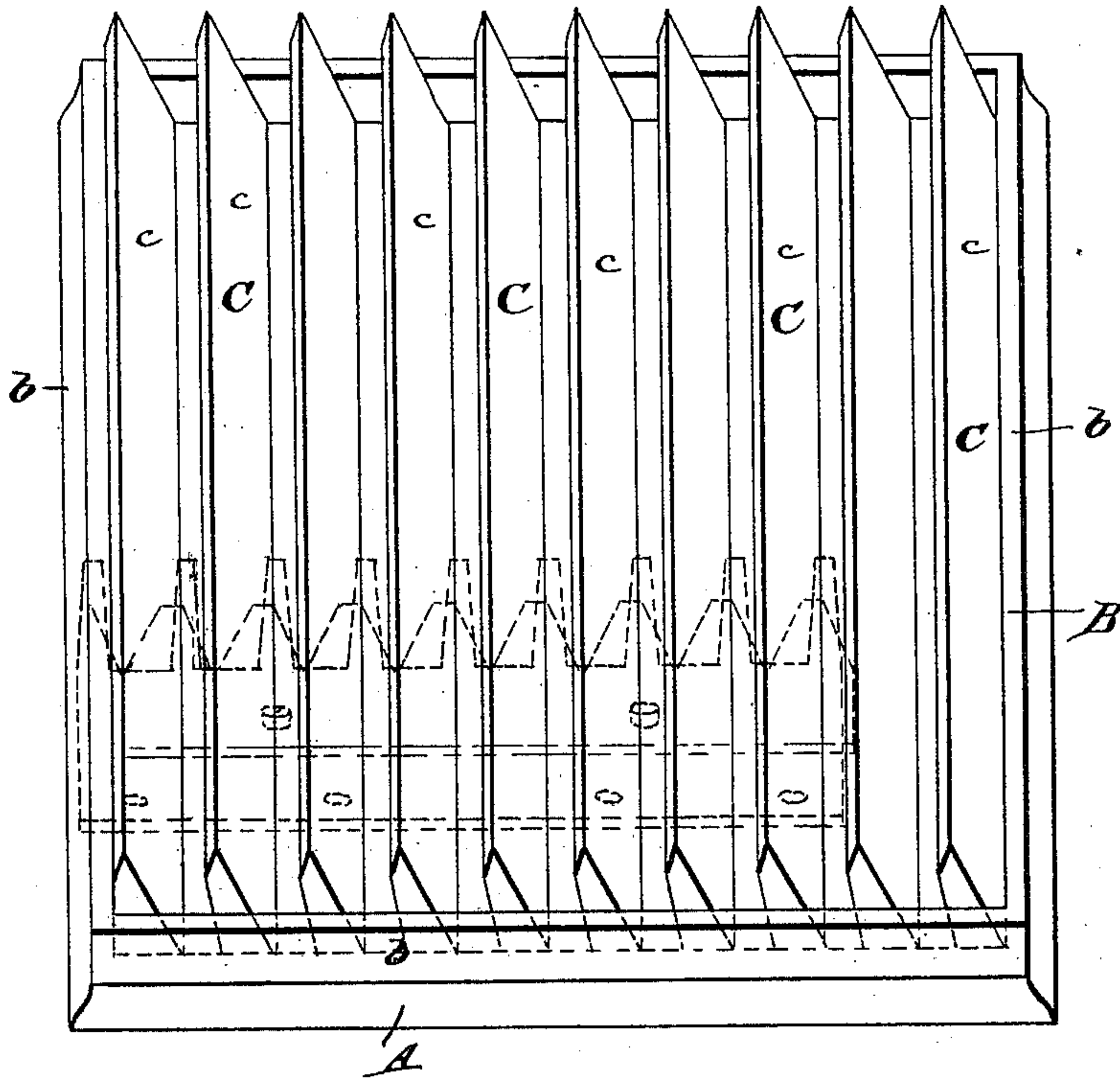
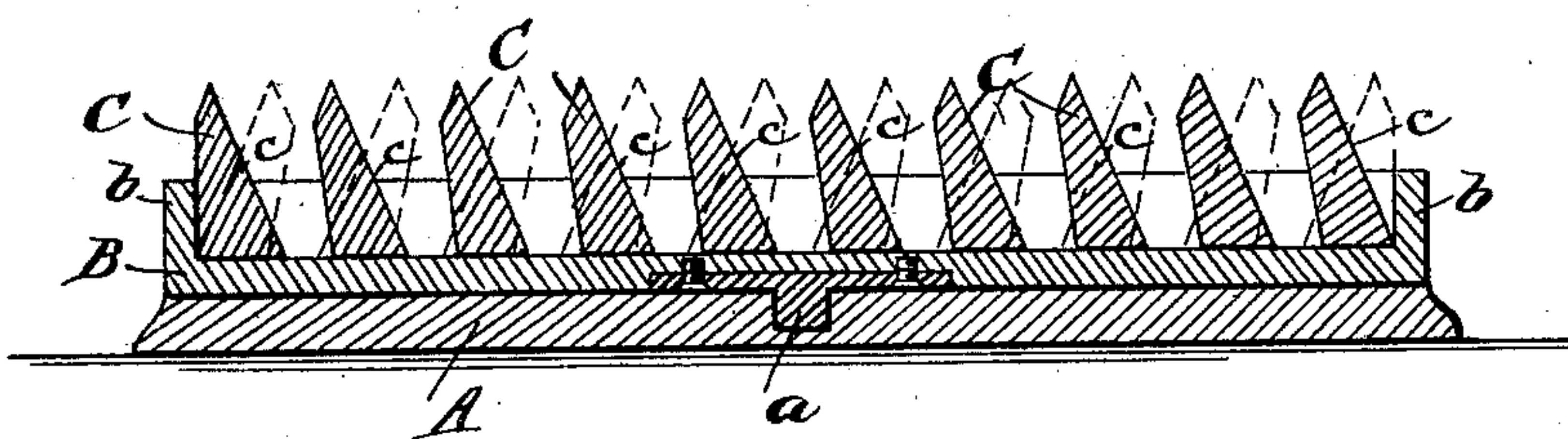


Fig. 2.



WITNESSES:

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WHETSTONE FOR ANIMAL-CLIPPERS.

SPECIFICATION forming part of Letters Patent No. 432,431, dated July 15, 1890.

Application filed January 3, 1890. Serial No. 335,817. (No model.)

To all whom it may concern:

Be it known that I, CHESTER M. PALMER, of Lamartine, in the county of Fond du Lac and State of Wisconsin, have invented a new and
5 useful Improvement in Whetstones for Animal-Clippers, of which the following is a specification.

The object of my invention is to provide
10 an improved whetstone for sharpening in an even and expeditious manner the V-shaped cutting-edges of the knife of such implements as horse-clippers and sheep-shears without removing the knife from the finger-bars.

It consists in a multiple whetstone arranged
15 as a series of parallel bars in a suitable frame or bed, the body of the stones having an inclination to one side of a vertical line and the whole bed being mounted pivotally, so as to be reversed to reverse the inclination of
20 the stones when the opposite sides of the V-shaped edges of the knife are to be sharpened, as hereinafter fully described.

Figure 1 is a view in perspective of the
25 whetstone, and Fig. 2 is a vertical cross-section of the same.

A represents a stationary base-plate, upon which is pivotally mounted at *a* the whetstone-bed B, which has a raised flange *b* around its margin.

30 C are the whetstone-bars, which are arranged parallel with each other a uniform distance apart, which distance corresponds to the spacings of the V-shaped teeth of the knife. These stones are immovably fixed
35 within the bed B, and are set at an inclination to the vertical, so as to leave their sides *c* easily accessible for whetting purposes. The opposite sides of these stones are never brought into action.

In making use of my invention the cutter 40 of a horse-clipping or sheep-shearing tool is applied directly to the whetstone without disconnecting the finger-bar from the knife, as shown in dotted lines, and one edge of each V-shaped blade is applied to a face *c* of its 45 corresponding whetstone. The cutter is then gently pressed against the stone and is reciprocated to sharpen one side of each V-shaped blade. This being accomplished, the whetstone-bed B is turned upon its pivot *a* one 50 hundred and eighty degrees, which exactly reverses the inclination of the whetstone-bars, as shown in dotted lines. The opposite sides of the cutter-knives are now applied to the reversed whetstone-bars and are sharp- 55 ened in a similar manner.

Having thus described my invention, what I claim as new is—

1. A multiple whetstone consisting of a series of sharpening-bars mounted upon and 60 combined with a reversible bed, substantially as shown and described.

2. A multiple whetstone consisting of a series of sharpening-bars inclined to the vertical and arranged parallel with each other, 65 combined with and fixed in a pivotal or reversible bed, and a base-plate sustaining the pivotal bed, substantially as shown and described.

The above specification of my invention 70 signed by me in the presence of two subscribing witnesses.

CHESTER M. PALMER.

Witnesses:

EDW. W. BYRN,
ENOCH PALMER.