No. 613,825. Patented Nov. 8, 1898.

A. W. SCHEUBER.

STROPPING MACHINE.

(Application filed June 13, 1898.)

(No Model.)

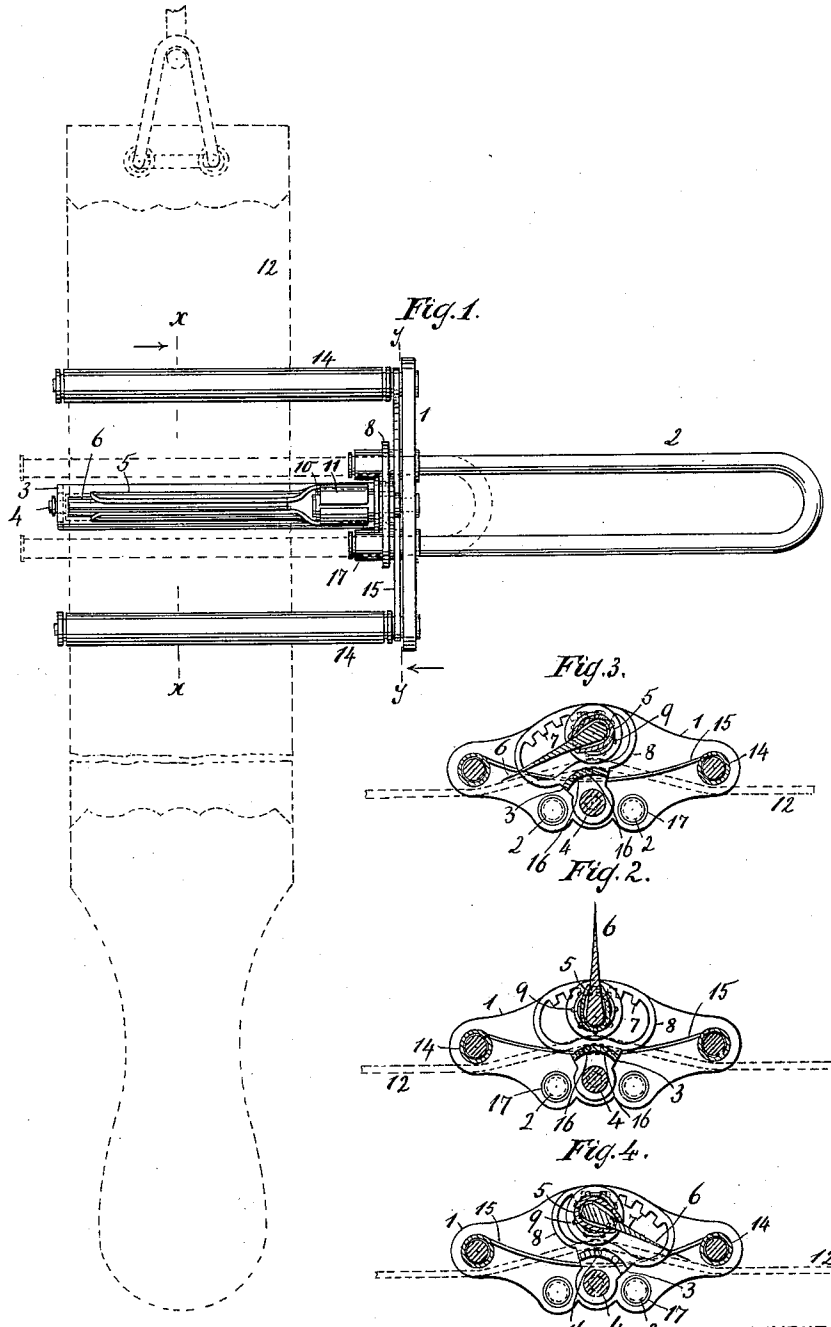


Fig. 1.

Fig. 3.

Fig. 2.

Fig. 4.

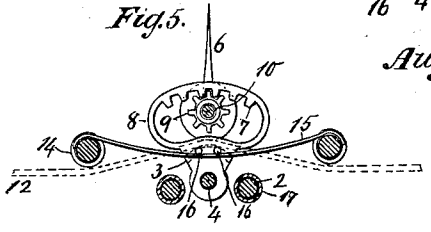


Fig. 5.

WITNESSES:

E. Wolff

Chas. E. Pascoe jun.

INVENTOR:

August Wm Scheuber.

BY

Hauff & Hauff

ATTORNEYS.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

AUGUST WM. SCHEUBER, OF NEW YORK, N. Y., ASSIGNOR TO MARY ZINN, OF SAME PLACE.

STROPPING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 613,825, dated November 8, 1898.

Application filed June 13, 1898. Serial No. 683,340. (No model.)

To all whom it may concern:

Be it known that I, AUGUST WM. SCHEUBER, a citizen of the United States, residing at New York, in the county and State of New York, have invented new and useful Improvements in Stropping-Machines, of which the following is a specification.

By means of this device the blades of razors—as, for example, safety-razors—can be readily and effectively stropped, as set forth in the following specification and claims and illustrated in the annexed drawings, in which—

Figure 1 is a plan view of the stropper. Fig. 2 is a section along *x x*, Fig. 1. Figs. 3 and 4 are views like Fig. 2 with parts in different position than in said Fig. 2. Fig. 5 is a section along *y y*, Fig. 1.

In order to enable those skilled in the art to make and use my invention, I will now describe the same in detail, referring to the drawings, wherein—

The numeral 1 indicates a supporting-frame having a handle 2, which is made extensible, as hereinafter explained. An oscillating or rocking bed 3 is mounted on a pivot or bearing 4, extending from the supporting-frame. A holder 5 is adapted to retain or have slipped thereinto a blade 6 to be stropped. This blade-holder is actuated or swiveled by the bed. Such bed is provided with teeth 7, formed on the loop or rack 8, secured to and moving with the bed, said teeth 7 engaging cogs 9, Fig. 5, on the shaft or sleeve 10, to which the blade-holder 5 or its inner part 11, Fig. 1, is clamped or secured.

In Fig. 2 the bed 3 is shown in upright position with the blade-holder or blade over the bed turned upward. As the bed 3 is swung to one side or another, Figs. 3 or 4, the gears 7 and 9 will move or rock the blade-holder and blade to one side or another from the central or vertical position.

Between the strop-bed 3 and blade-holder 5 the strop 12 can be inserted. This strop being suitably held taut and the machine run back and forth, the friction or contact of the strop on bed 3 will rock the latter back and forth, so that the holder 5, actuated by the bed, alternately carries the opposite faces of the blade to the strop, as seen in Figs. 3 and 4. The blade is thus properly stropped.

The plate 1 is shown provided with strop-sustainers 14 or suitable rollers or sleeves rotating on pins extending from the plate in front and to the rear of the bed 3. The strop is sustained or kept by these rollers 14 smooth and in proper position.

When the parts are free or at rest, the bed 3 normally is in central or upright position or the holder or blade 6 is normally off the strop. A spring 15 holds or returns the bed to central position. This spring is suitably applied—as, for example, by being sustained on the bearings of the sleeves 14—and said spring engages a lip or pins 16, Fig. 5, on bed 3. The spring 15 pressing this lip or pins 16 upward will raise or move bed 3 to central position, as seen in Fig. 2.

The handle 2 can be made detachable or extensible in any suitable way, so that when not in use it can be moved out of the way to allow the device to be compactly stored. In the drawings the plate 1 is shown with tubes or guides 17 through which the handle 2 can be run in and out, as indicated by broken and full lines in Fig. 1.

The strop 12 can be prevented from slipping or running too far toward plate 1 by a suitable stop or shoulder (not shown) applied on base 3 or on the guides 14. The blade-holder, it is seen, swivels about a fixed axis, but does not swing.

What I claim as new, and desire to secure by Letters Patent, is—

1. The combination with a supporting-frame, and a pivot or bearing extending horizontally therefrom, of an oscillating or rocking bed mounted on said pivot or bearing and over which the razor-strop passes, and an oscillating razor-blade holder located above said oscillating or rocking bed and operated by a part of the latter, substantially as described.

2. The combination with a supporting-frame, and a pivot or bearing extending horizontally therefrom, of an oscillating or rocking bed mounted on said pivot or bearing and constructed with a loop having rack-teeth, said bed serving to support the razor-strop

which passes thereover, and an oscillating razor-blade holder mounted in the supporting-frame and provided with a shaft having cogs or teeth with which the rack-teeth of the loop of the oscillating or rocking bed engage, for oscillating the razor-blade holder when the bed is oscillated or rocked, substantially as described.

3. The combination with a supporting-frame, and a pivot or bearing extending horizontally therefrom, of an oscillating bed mounted on the pivot and provided with a lateral pin 16 and a loop-shaped rack 8, an oscillating razor-blade holder having a shaft provided with cogs or teeth with which the loop-shaped rack of the oscillating bed engages, bearings extending from the supporting-frame and provided with sleeves 14, and a curved spring 15 secured at its ends to the bearings of said sleeves and centrally between its ends bearing against the lateral pin of the oscillating bed, substantially as and for the purpose described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

AUGUST WM. SCHEUBER.

Witnesses:

JEREMIAH REICHARD,

E. F. KASTENHUBER.