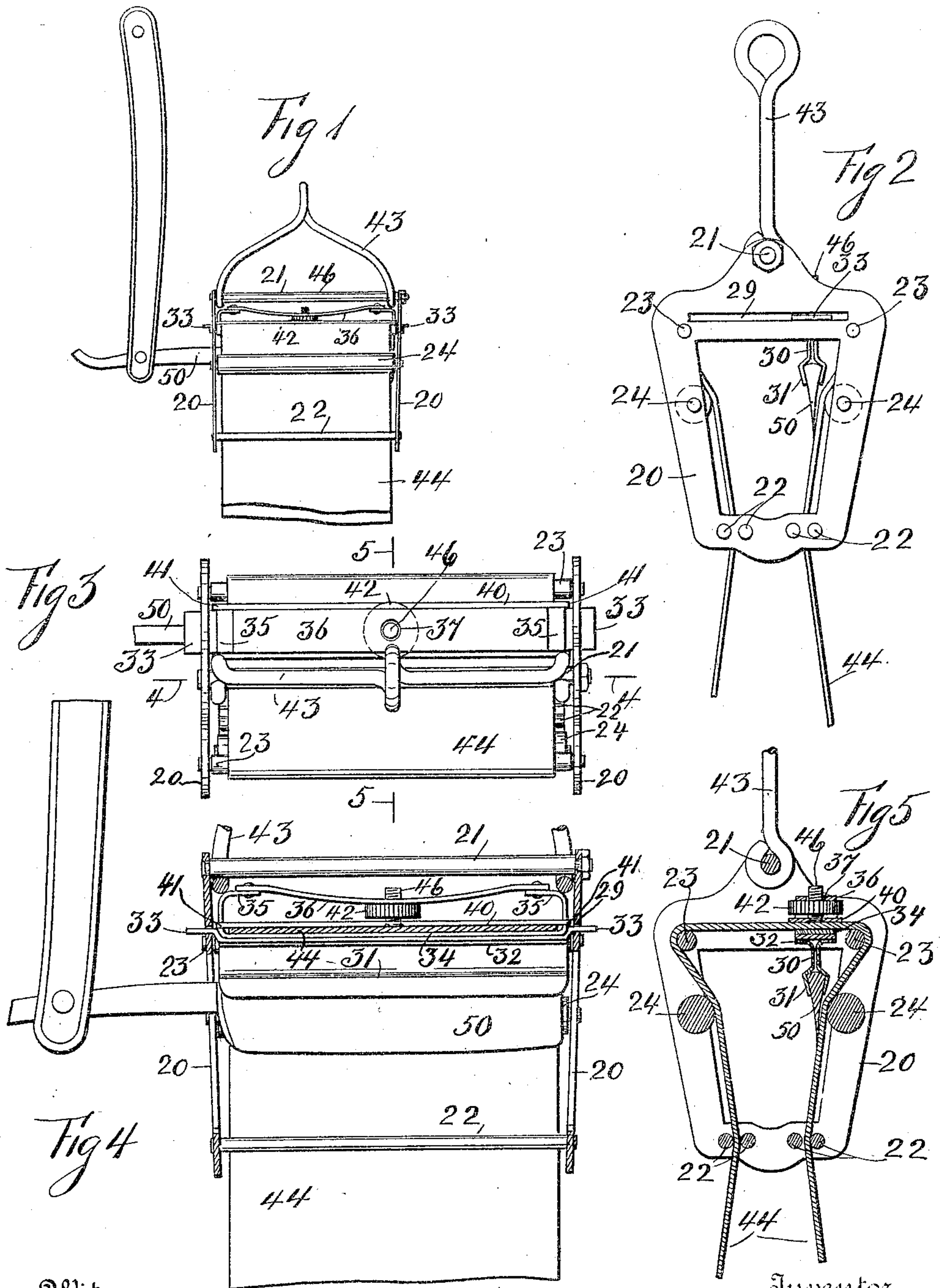


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 RAZOR STROPPING DEVICE.
 APPLICATION FILED JULY 17, 1907.

942,880.

Patented Dec. 14, 1909.



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UNITED STATES PATENT OFFICE.

CHARLES FREDERICK BENEDICT, OF BROOKLYN, NEW YORK, ASSIGNOR TO SAMUEL KANNER, OF NEW YORK, N. Y.

RAZOR-STROPPING DEVICE.

942,880.

Specification of Letters Patent.

Patented Dec. 14, 1909.

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To all whom it may concern:

Be it known that I, CHARLES FREDERICK BENEDICT, a citizen of the United States, and a resident of the borough of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Razor-Stropping Devices, of which the following is a specification.

This invention relates to a razor stropping device. Its organization comprises essentially a holder for a strop, a blade carriage supported therein, means connecting the two latter, so that by reciprocation of the strop the carriage will locate a blade in proper positions therefor.

In the drawings Figure 1 shows a side elevation of the invention with a razor, Fig. 2 shows an enlarged left hand end view of Fig. 1, Fig. 3 is a top view of Fig. 2, Fig. 4 represents a section of Fig. 3 on the line 4, 4, Fig. 5 shows a section as on the line 5, 5 of Fig. 3.

The invention is shown to comprise a holder having the side frames 20, connected by the upper tie rod 21 and the lower tie rods and guides 22. A pair of upper guide rollers 23, and central guide rollers 24 extend between and are journaled in the frames 20. In the upper ends of the side frames 20 are formed guide openings 29, which support a blade carriage 30. The said carriage comprises spring jaws 31, having a flanged roof 32, from which roof extends a bar constituting the cross heads 33. The said bar is shown completely over the flanged roof, but said construction need not be followed. From the top of the said bar extends a supporting plate 34, with the end brackets 35. The latter are connected by a spring 36, having an opening 37. A presser plate 40 with the end lugs 41, straddling the brackets 35 is located above the said supporting plate. A screw 41, with a circular nut 42 extends from the presser plate 40 to and through the opening 37 in the spring 36. A bail 43 extends from the upper tie rod 21.

The razor strop 44 is located between the plate 34 of the carriage 30 and the presser plate 40. The strop being sufficiently gripped to allow it to carry the carriage to one side or the other of the holder, by adjusting the nut 42, to bear against the spring 36, and at the same time allowing the strop to be pulled through the opening between the supporting plate 34 and the presser

plate 40, when the said carriage is in position at one side of the frame. The razor strop leads over the upper guide rollers 23 then around the inner sides of the central guide rollers 24 and finally between the pairs of lower tie rods and guides 22.

A razor blade 50 is secured in the spring jaws 31 as shown.

To use the invention an operator suspends the holder by means of the bail, the razor being clamped in the jaws of the blade carriage 30 and then alternately pulls the ends of the strop, through the opening between the supporting plate and presser plate, by virtue of which the carriage will be moved to the opposite sides of the holder, so that each side and the edge of the blade of the razor will be brought to bear against the strop as the latter is being pulled by the operator.

Having described my invention, I claim:

1. In a stropping device the combination of a holder, a blade carriage movably supported in the holder, a strop guided in the holder and located over the carriage, a presser plate over the strop, means to bear said plate against the strop with various amounts of pressure to connect the strop to the carriage, and at the same time allow the strop to be pulled through the holder.

2. In a stropping device the combination of a holder, a pair of side frames having guide openings in the holder, a reciprocating carriage supported in said openings, means to secure a blade to the carriage, a strop over the carriage and guided in the frame, a presser plate adjustably located over the carriage, a spring connected up with the carriage over the presser plate, means to exert the tension of the spring to the presser plate, so as to grip the strop between the plate and the carriage with sufficient pressure to reciprocate the carriage, when the directions of the movements of the strop are reversed.

3. In a stropping device the combination of a holder, a pair of side frames having guide openings in the holder, a carriage supported in said openings, jaws extending from the carriage to support a blade, guides extending between the frames, a strop bearing on the roof of the carriage and against said guides so as to enable said blade to bear against said strop at opposite sides of the device when the strop is reciprocated, brack-

ets extending from the upper portion of the carriage, a presser plate guided by said brackets, a spring connecting the ends of the brackets, a screw extending up from the presser plate, a nut on the screw to bear up
5 against the spring and thereby grip the strop between the carriage and presser plate, to alternately move the carriage across the frame when reciprocating the strop, the
10 blade alternately bearing on the strop, on the opposite sides of the device.

4. In a stropping device for a razor the combination of a holder, a pair of side frames having guide openings in the holder
15 a bail extending from the frames, a blade carriage in the holder, cross-heads extending from the carriage and supported in said openings, spring jaws extending from the carriage to support a razor blade, upper
20 guide rollers and central guide rollers journaled in said frames, two pairs of lower guides and tie rods extending between the frames, a strop bearing on the top of the carriage extending over the upper guide

rollers and against the central guide rollers, 25 and passing between each pair of the lower guides and tie rods, brackets extending from the upper portion of the carriage, a spring connecting the ends of said brackets, a presser plate having lugs straddling said
30 brackets and bearing on the top face of said strop, a screw extending up from the presser plate through an opening in said spring, a nut on the screw to bear up against the
35 spring and thereby grip the strop between the blade carriage and said presser plate, to alternately move the carriage across the frame when reciprocating, the blade bearing alternately on the strop at opposite sides of
40 the device.

Signed at the borough of Manhattan in the county of New York and State of New York this 12th day of July A. D. 1907.

CHARLES FREDERICK BENEDICT.

Witnesses:

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