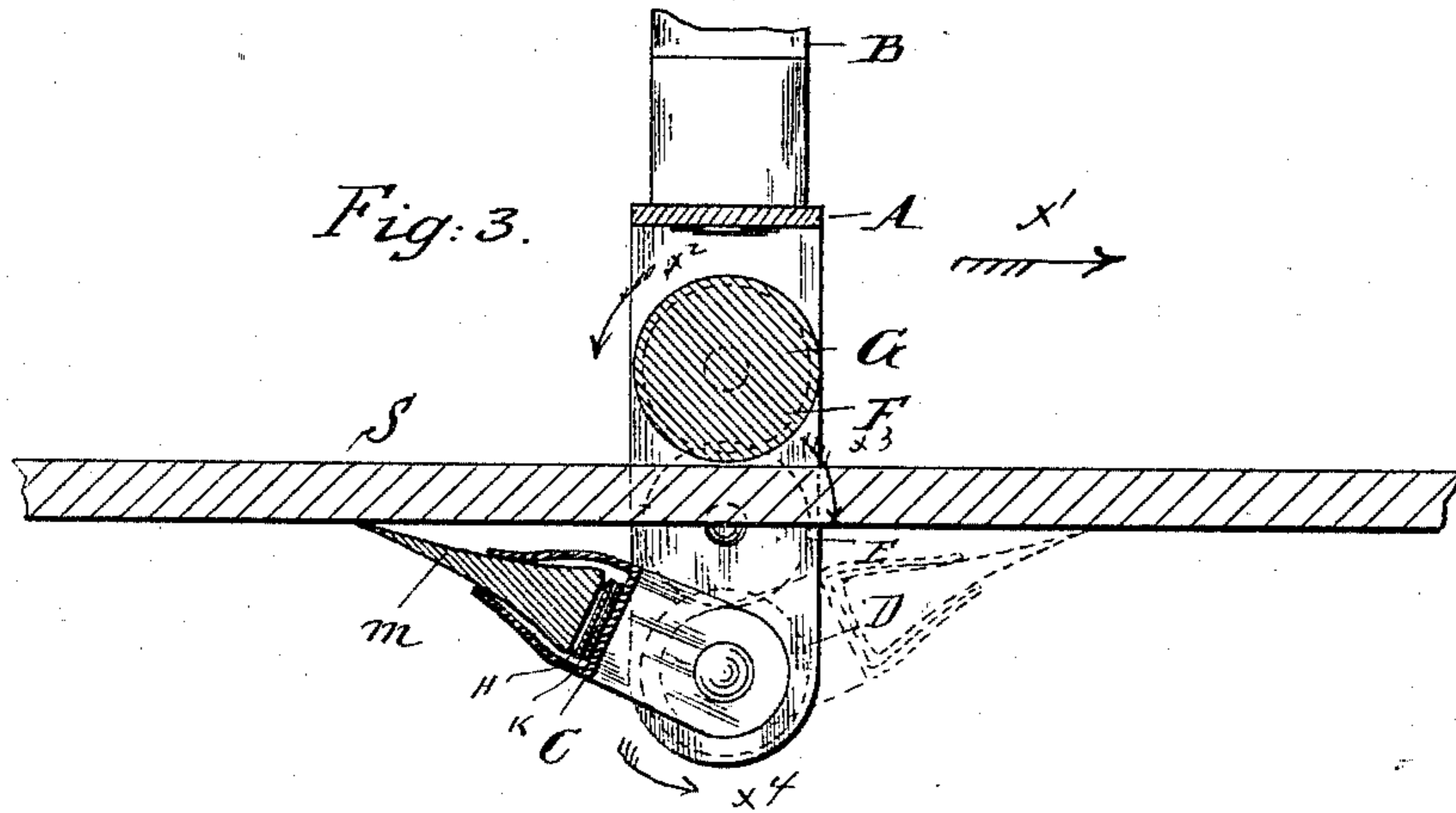
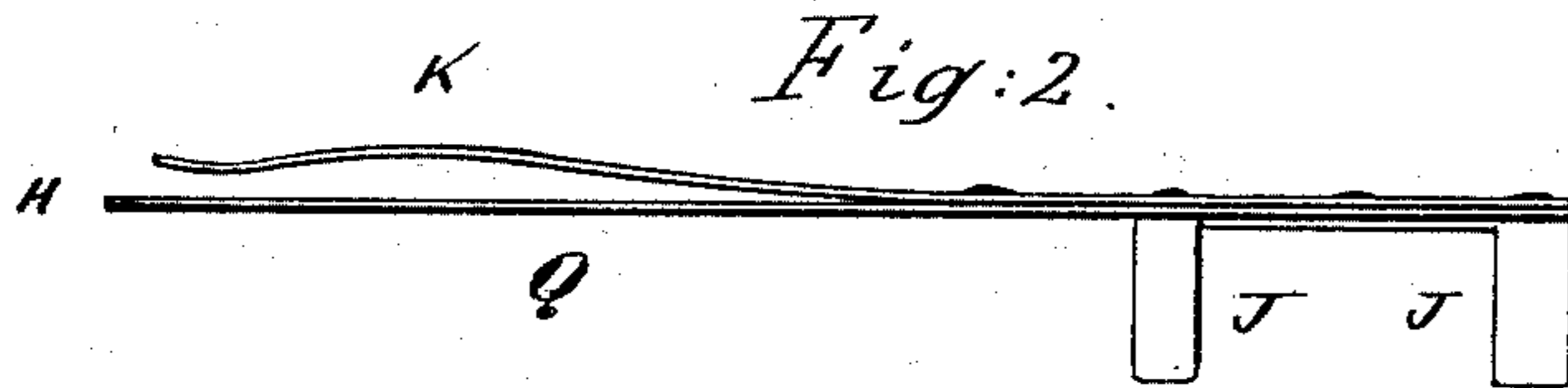
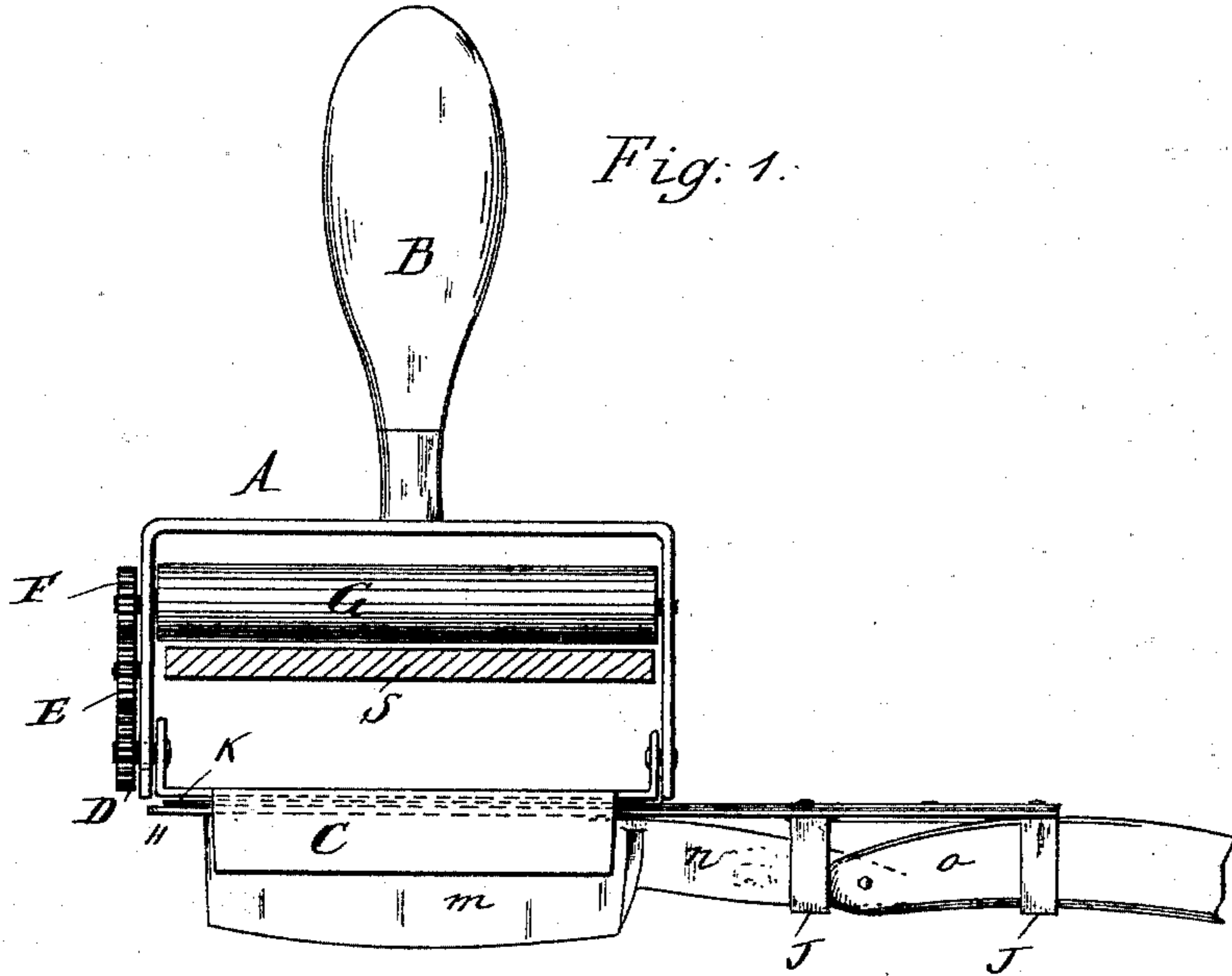


(No Model.)

E. L. SCHMITZ.
RAZOR STROPPING DEVICE.

No. 485,849.

Patented Nov. 8, 1892.



WITNESSES:

Charles Schroeder.
Marion Hall.

INVENTOR

E. L. Schmitz

BY

Joseph P. Ragnor

ATTORNEYS.

UNITED STATES PATENT OFFICE.

EGON LOTHAR SCHMITZ, OF NEW YORK, N. Y.

RAZOR-STROPPING DEVICE.

SPECIFICATION forming part of Letters Patent No. 485,849, dated November 8, 1892.

Application filed May 19, 1892. Serial No. 433,547. (No model.)

To all whom it may concern:

Be it known that I, EGON LOTHAR SCHMITZ, a citizen of Germany, residing in the city of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Razor-Stropping Devices, of which the following is a specification.

The object of my invention is to provide a new and improved device for handling a razor while stropping the same, which device is so constructed as to automatically turn the razor on its back when the direction of motion is reversed.

The invention consists in the combination, with a U-shaped frame, of a swinging blade-holder and a friction-roller in the frame and gearing for swinging the blade-holder from the friction-roller.

The invention further consists in the combination, with said frame, of a blade-receiving brace composed of a metal strip provided with a flat spring and with two clamps.

The invention consists in the construction and combination of parts and details, as will be fully described hereinafter, and pointed out in the claim.

In the accompanying drawings, Figure 1 is a side view of my improved razor-stropping device and a razor held in the same, parts of the razor-handle being broken out. Fig. 2 is a side of the brace. Fig. 3 is an enlarged detail transverse sectional view showing the strop in longitudinal section and parts of the device broken out.

Similar letters of reference indicate like parts in all the figures.

The U-shaped frame A is provided with the handle B, and between the ends of said frame the blade-holder C is pivoted, said blade-holder having its sides inclined toward each other, as shown in Fig. 3. To one of the pivots of said blade-holder a cog-wheel D is fixed outside of one end piece of the frame A, and said cog-wheel D engages a cog-wheel E, pivoted on the outer surface of the end piece of the frame C, and said cog-wheel E in turn is engaged with a cog-wheel F, fixed on one end

pivot of a friction-roller G, mounted to rotate in the ends of the frame C. Before inserting the blade in the blade-holder it is placed upon a brace Q, composed of a metal strap H, provided at one end with two spring-clamps J, projecting from one face of the strips and with a flat spring K, fastened to the other face of the strip.

The razor-blade *m* is placed with its back upon said brace, the tang *n* of the blade and the handle *o* being held in the spring-clamps J. Then the blade and brace together are inserted into the blade-holder, as shown in Figs. 1 and 3. The razor-strop S is then passed through the frame A in such a manner that the roller G rests upon the top of the strop and the blade is below the strop.

If the device is moved over the strop in the direction of the arrow x' , Fig. 3, the blade *m* is held against the under side of the strop S in the manner shown, and while in this position is drawn along the under side of the strop. If the direction of motion is reversed, the friction-roller G, the cog-wheel E, and the blade-holder are rotated in the direction indicated by the arrows x^2 , x^3 , and x^4 , Fig. 3, and the blade-holder and the razor held in the same swung from the position shown in full lines in Fig. 3 into the position shown in dotted lines and remains in this position as long as the device is moved in the reverse of the direction of the arrow x' . If the device is now again moved in the direction of the arrow x' , the roller G, cog-wheel E, blade-holder C, and razor are turned in the reverse of the directions of the arrows x^2 , x^3 , x^4 and the blade is swung into the position shown in full line in Fig. 3 and remains in this position as long as the device is moved in the direction of the arrow x' , and so on. The blade is thus turned automatically on its back every time the direction of movement is reversed.

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

The combination, with a U-shaped frame having a handle, of a blade-holder mounted in said frame, a friction-roller in said frame,

gearing for swinging the blade-holder from
the friction-holder, a brace composed of a
steel strip, a spring secured to one face of
said strip, and two clamps secured to the op-
5 posite face of said strip, substantially as set
forth.

In testimony that I claim the foregoing as

my invention I have signed my name in pres-
ence of two subscribing witnesses.

E. LOTHAR SCHMITZ.

Witnesses:

OSCAR F. GUNZ,
CHARLES SCHROEDER.