

(No Model.)

M. SACHS.

MACHINE FOR SCRAPING THE ENDS OF WHALEBONE STAYS.

No. 508,987.

Patented Nov. 21, 1893.

Fig: 1.

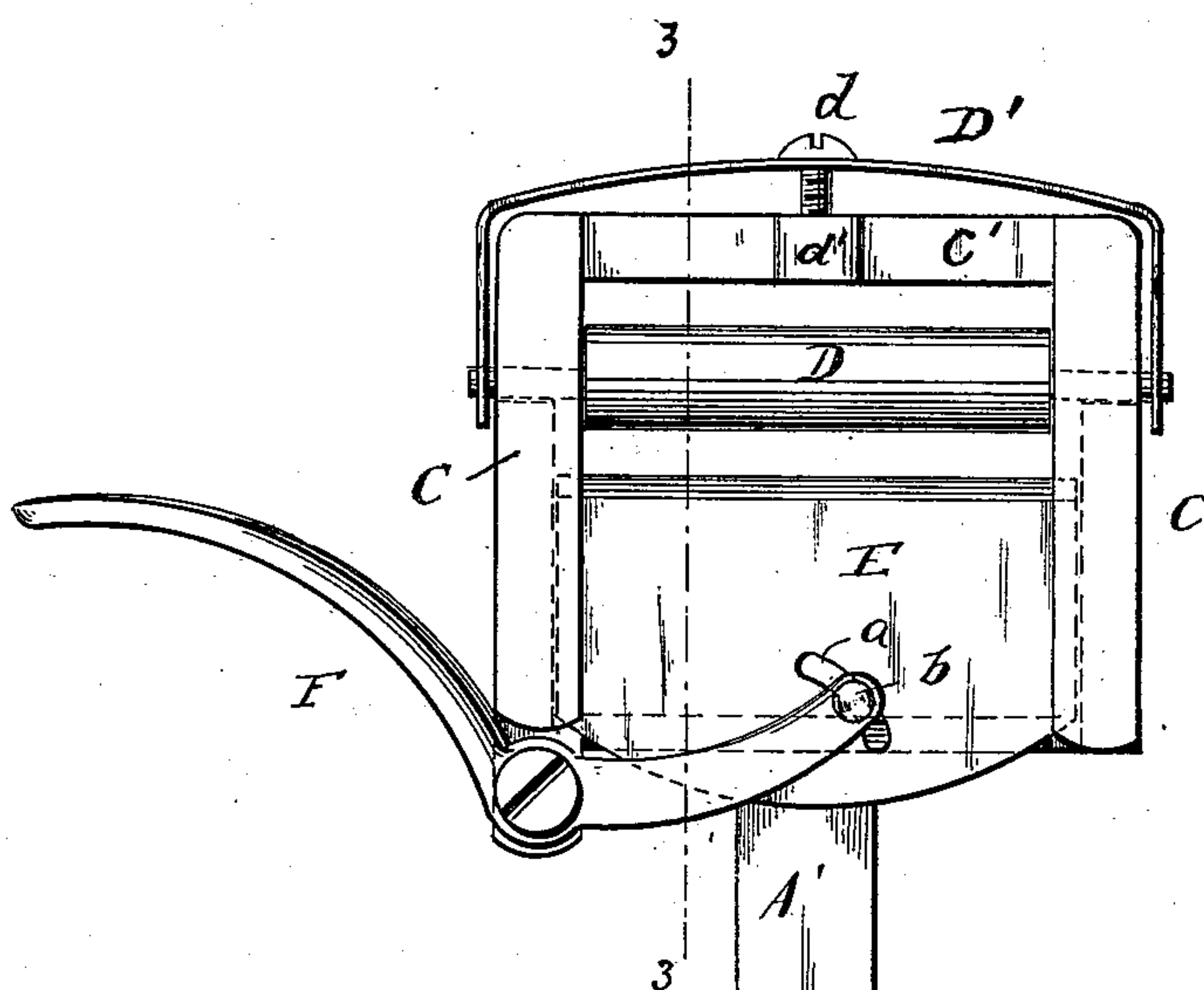


Fig: 2.

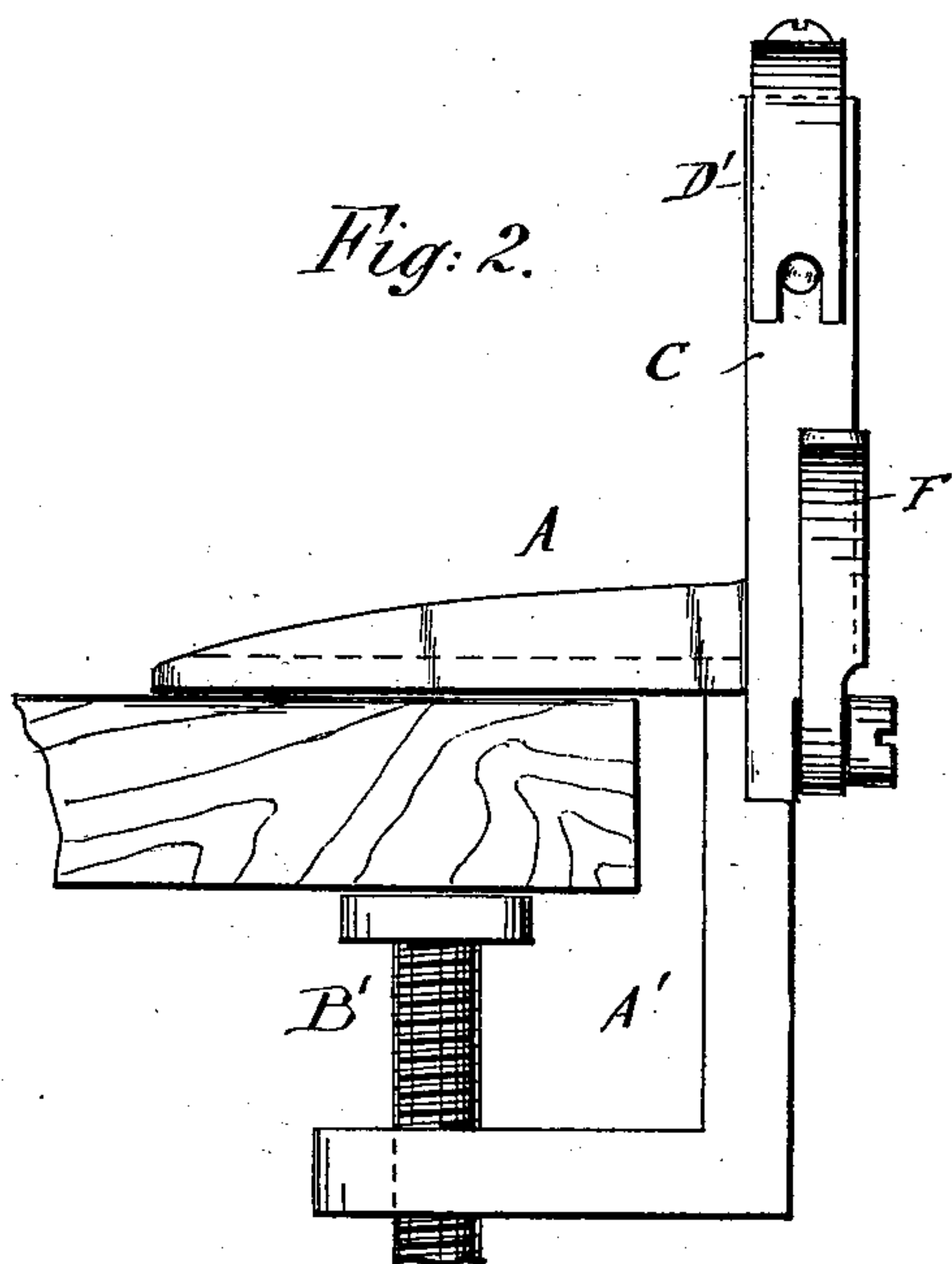
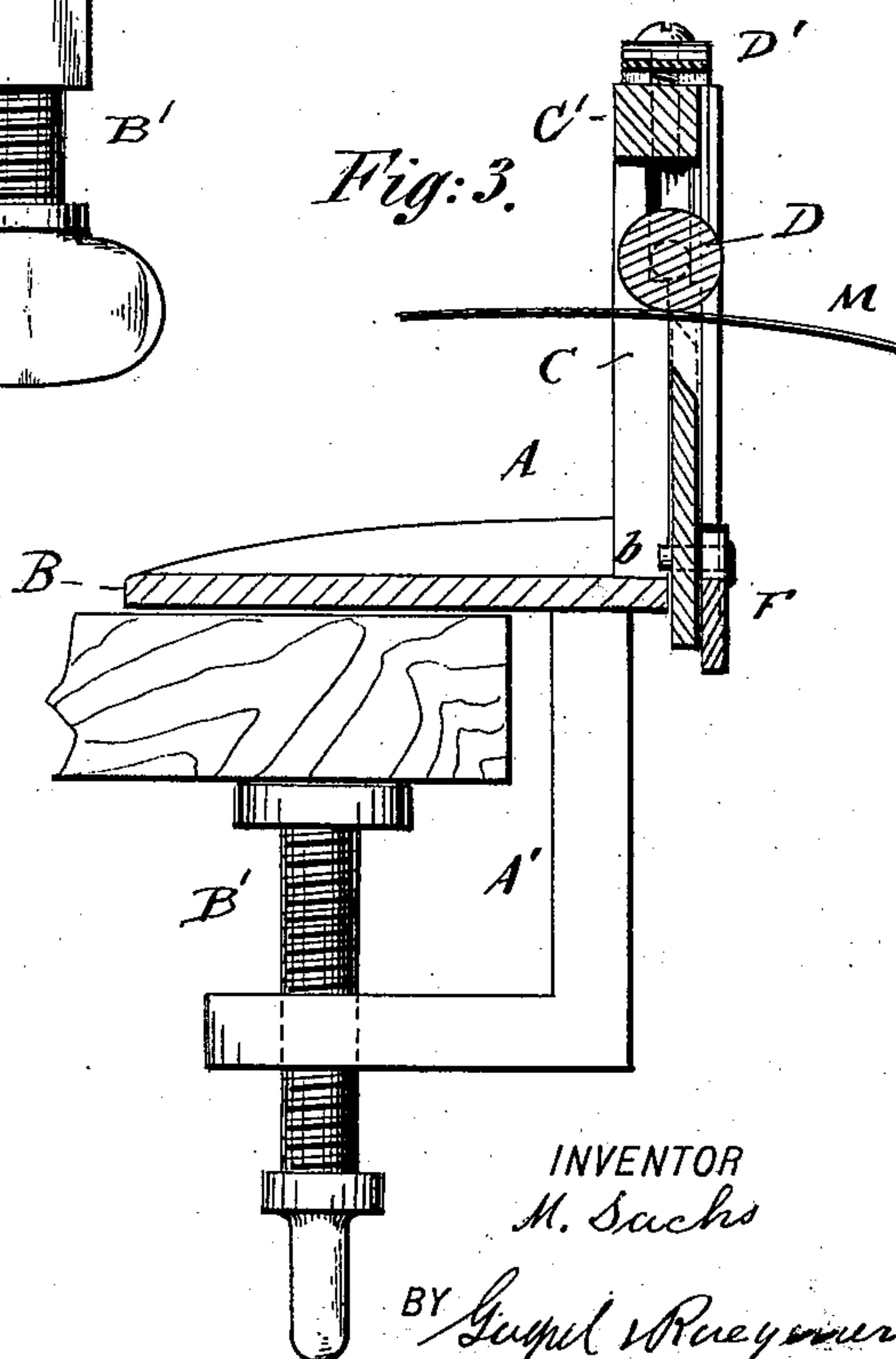


Fig: 3.



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MACHINE FOR SCRAPING THE ENDS OF WHALEBONE STAYS.

SPECIFICATION forming part of Letters Patent No. 508,987, dated November 21, 1893..

Application filed January 6, 1893. Serial No. 457,569. (No model.)

To all whom it may concern:

Be it known that I, MARTIN SACHS, a subject of the Emperor of Germany, residing in New York city, in the county and State of New York, have invented certain new and useful Improvements in Machines for Scraping the Ends of Whalebone Stays, of which the following is a specification.

This invention relates to an improved machine for scraping the ends of whalebone stays to the thickness required, so that they can be used with greater convenience by dressmakers, corset-makers and others.

Heretofore the ends of whalebone stays were diminished in thickness or scraped off at the ends by means of scissors by the dress or corset-makers. This is injurious to the scissors and does not produce a uniform result. The object of my invention is to provide a simple and convenient device by which this operation can be performed at a considerable saving of time and in a uniform manner; and the invention consists of a machine for scraping off the ends of whalebone stays, which comprises a spring-pressed roller, guiding-ways in a supporting frame and a scraping-knife that is guided in the ways below the roller and operated by a lever, said lever lifting the knife for producing the scraping action on the end of the stay, which is pulled through between the rollers and the knife, as will be fully described hereinafter and finally pointed out in the claims.

In the accompanying drawings, Figure 1 represents a front elevation of my improved machine for scraping the ends of whalebone stays. Fig. 2 is a side-elevation of the same, and Fig. 3 is a vertical transverse section, on line 3 3, Fig. 1.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A represents the base of my improved machine for scraping the ends of whalebone stays. This base-plate is provided with an L-shaped downwardly-extending piece A', which carries a clamping-screw B', by which the machine is applied to a table or other support. The base-plate is cast integrally with the upright standards C that support a pressure-roller D at their upper parts, the standards being connected by a transverse top-piece C'. The ends of the

shaft of the pressure-roller D extend through the standards C and are guided by a steel spring D', which has notched ends and is bent over the top-piece C', it being connected at its center by a tension-regulating screw d with a threaded socket or nut formed at the center of the transverse top-piece C'. The spring D' exerts pressure in downward direction on the roller D, so as to press it in downward direction on its bearings in the standards C C. A scraping-knife E is guided in ways of the standards C C below the axis of the roller D and is connected by an arc-shaped slot a with a pin b at the end of a lever F, which is fulcrumed to the lower part of the left-hand standard C, so that the handle-end of the lever extends sidewise of the same. The pin at the end of the fulcrumed lever F serves as a stop for the scraping-knife and prevents the same from moving below the base-plate B, the pin abutting against the base-plate.

The machine is used as follows: The end of the whalebone stay M is inserted below the pressure-roller D, it being held in the right hand. The scraping-knife is then lifted by means of the lever F, which is operated with the left hand. When the scraping-knife is pressed up against the whalebone stay the latter is quickly pulled back along the cutting-edge of the knife, so that a thin layer of whalebone is scraped off the end. This is repeated until the end is reduced to the required thickness, so as to give uniformity when inserted into the waist of a dress or corset and prevent injury to the closed ends or pockets made for the stay. The scraping at the ends is accomplished by the machine in a quick and uniform manner, so that the machine furnishes a useful implement for dressmakers, corset-makers and others.

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

1. A machine for scraping the ends of whalebone stays, composed of a supporting frame, a spring-pressed roller supported in bearings of said frame and a reciprocating scraping-knife arranged in line with the axis of the roller in guiding ways of the frame, and a lever for actuating the scraping-knife, substantially as set forth.

2. A machine for scraping the ends of whale-

bone stays, composed of a supporting frame, guides and spring-actuated roller, supported at the upper part of the frame, and a reciprocating scraping-knife guided in ways of the
5 lower part of the frame, and a fulcrumed lever engaging said knife, substantially as set forth.

3. A machine for scraping the ends of whale-bone stays, composed of a supporting frame,
10 a spring-actuated roller supported in bearings of said frame, a scraping-knife guided in ways of the supporting frame below the roller, said knife being provided with an arc-shaped slot, a lever fulcrumed to the frame, and a pin
15 passing from said lever through the slot, which pin serves also as a stop for the scraping-knife, substantially as set forth.

4. A machine for scraping the ends of whale-

bone stays, consisting of a supporting frame, composed of a base-plate, upright standards 20 and a transverse top-piece for said standards, a roller supported in bearings of the standards, a spring applied to the shaft of the roller, a screw connecting the spring with the top-pieces of the standard, a scraping-knife guided 25 in ways below the roller and a fulcrumed lever connected with said scraping-knife, so as to operate the same, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in pres- 30
ence of two subscribing witnesses.

MARTIN SACHS.

Witnesses:

CHARLES SCHROEDER,
MARION HALL.