

(No Model.)

W. SACHS.

Removable Sole for Boots and Shoes.

No. 238,441.

Patented March 1, 1881.

Fig. 1

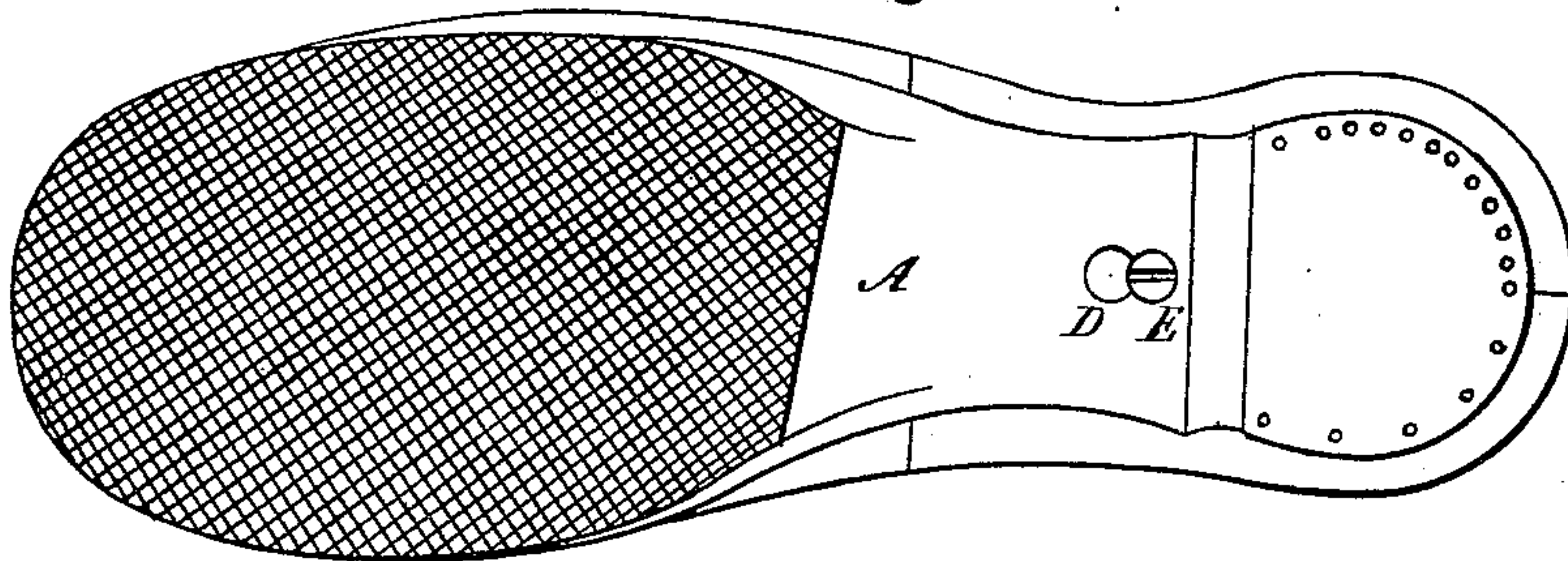


Fig. 2

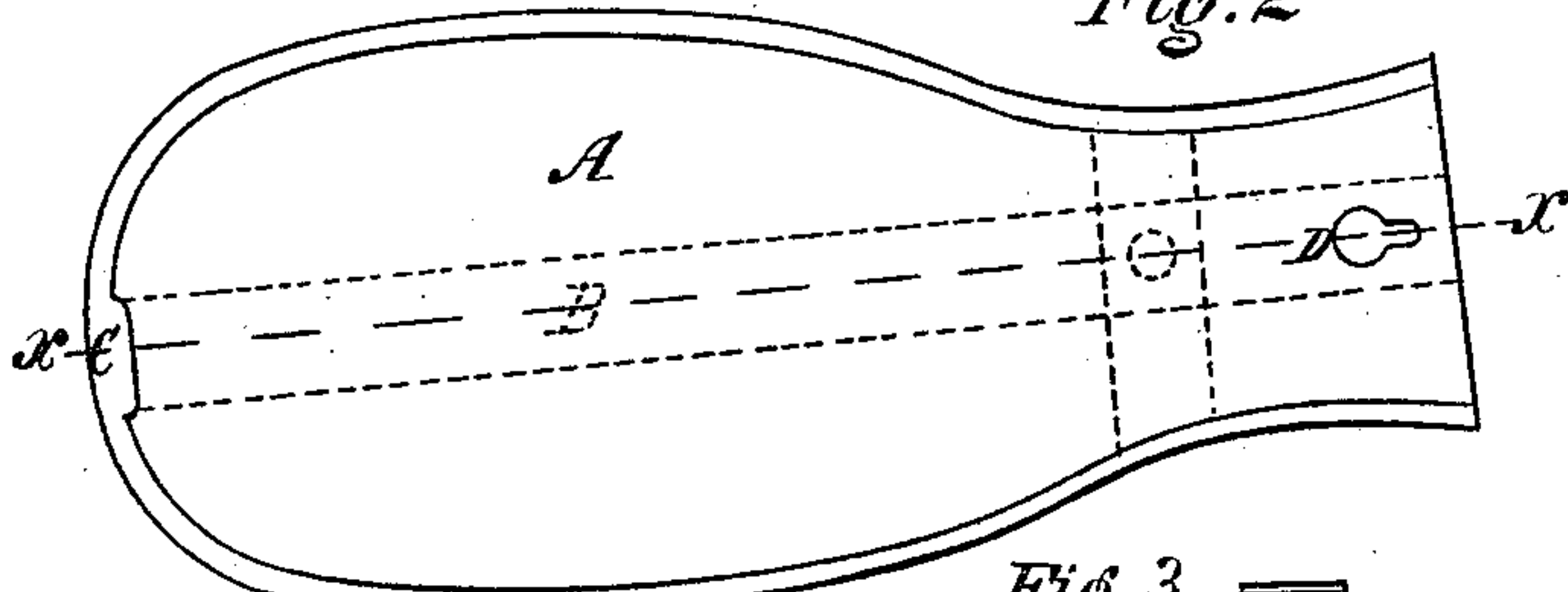


Fig. 3

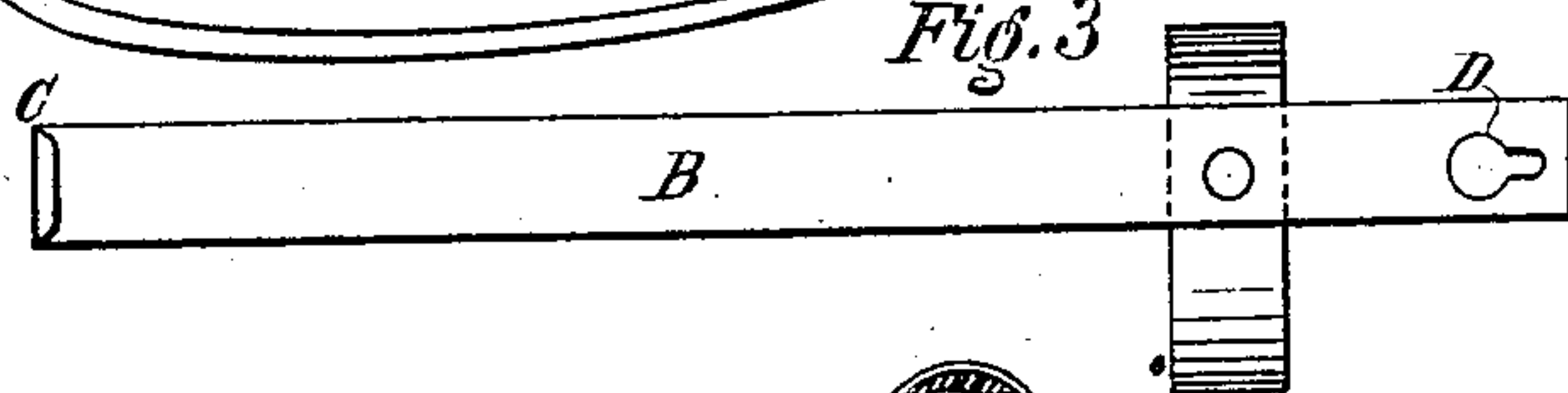


Fig. 4

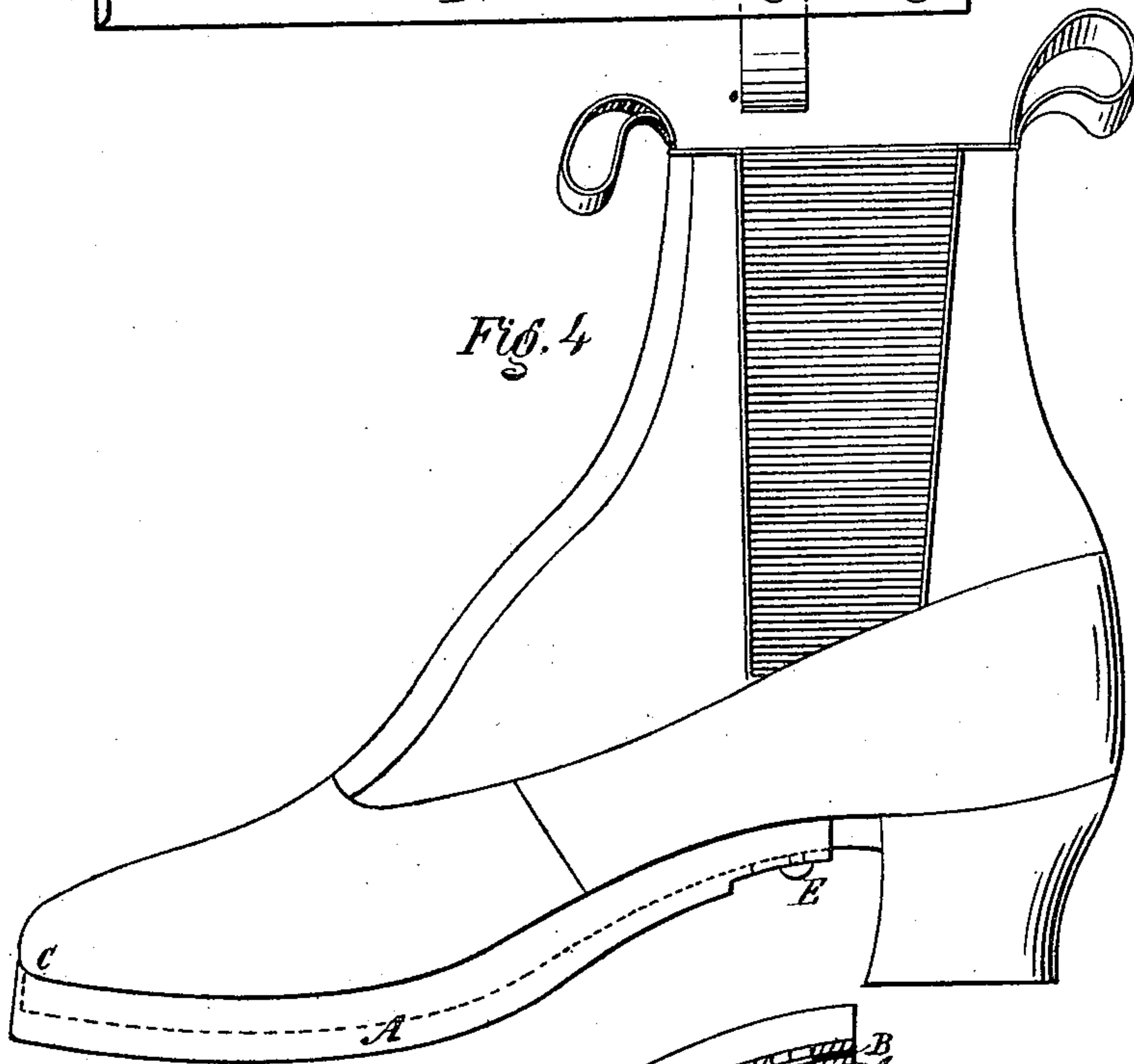
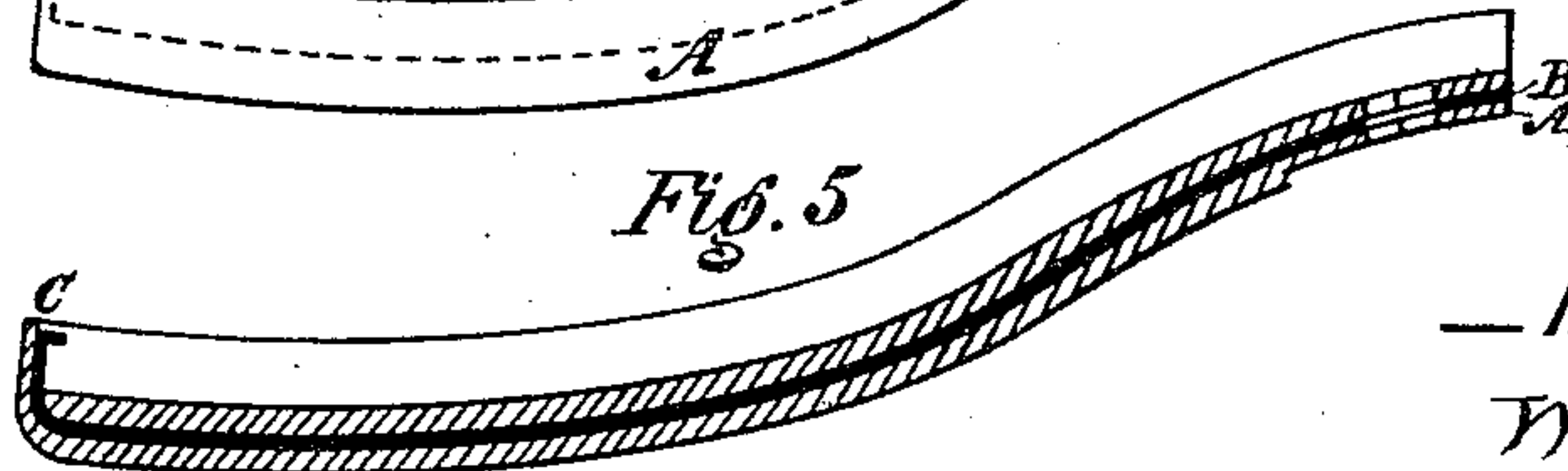


Fig. 5



— WITNESSES —

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WILHELM SACHS, OF BERLIN, PRUSSIA, GERMANY.

REMOVABLE SOLE FOR BOOTS AND SHOES.

SPECIFICATION forming part of Letters Patent No. 238,441, dated March 1, 1881.

Application filed December 10, 1880. (No model.) Patented in Germany April 1, 1879.

To all whom it may concern:

Be it known that I, WILHELM SACHS, of Berlin, in the Kingdom of Prussia and German Empire, have invented certain Improvements in Removable Soles for Boots and Shoes, of which the following is a specification.

The object of my invention is to avoid the difficulties and unpleasantnesses of fixing the present india-rubber (caoutchouc) soles to the soles of boots and shoes by means of adhesive matter, screws, or in other similar manner.

In the accompanying drawings, Figure 1 is a view showing the sole attached to the boot or shoe. Fig. 2 shows the inner side of the sole with the metallic spring attached to the same. Fig. 3 shows the said spring, which is provided with a hook and a slot for taking over the screw or its equivalent. Fig. 4 shows the sole attached to the boot or shoe by means of the hook and the slot and screw or its equivalent. Fig. 5 is a section of the sole with the metallic spring on the line *xx* in Fig. 2.

In these drawings, A represents an india-rubber outer sole, in which is embedded a spring, B, extending longitudinally the entire length of the sole A, and provided at its front end with a hook, C. The spring B conforms in shape to the bottom and instep of the boot, and is provided in the portion corresponding to the instep of the shoe with a circular orifice, D, having an elongation or slot extending toward the rear. In the instep of the boot is secured a screw, the head of which projects outward a short distance. The orifice D, of course, extends entirely through the rubber sole.

In attaching the sole the hole D is passed over the head of the screw. The sole is then

pulled forward, the shank of the screw entering the slot in the sole, while the hook C is sprung over the toe and enters between the sole and upper, where it is held securely by a spring-pressure, and as there is a constant tendency to draw the sole forward, the slot cannot be released from engagement with the stud or screw without first detaching the hook C.

The further advantages of this sole are, that the same can be instantaneously attached or removed; the boot need not be altered in the least degree; the boot can be used or worn with or without this said removable sole; great economy in wearing out old boots and shoes is attained.

The removable soles are admirable protectors of old boots or shoes. They keep the same dry and prevent the real cause of all illness—cold or damp feet. They are pleasing to the eye, whereas rubbers or india-rubber shoes are troublesome and unsightly. Besides this, my removable sole is a great comfort to the wearer, and improves the look of the boot, without impeding the natural perspiration of the foot.

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

In combination with a boot or shoe having the screw or stud E, the rubber sole A, having the spring B, with its hook C, and the slot D, whereby the outer sole is removably secured to the boot or shoe.

WILHELM SACHS.

Witnesses:

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