

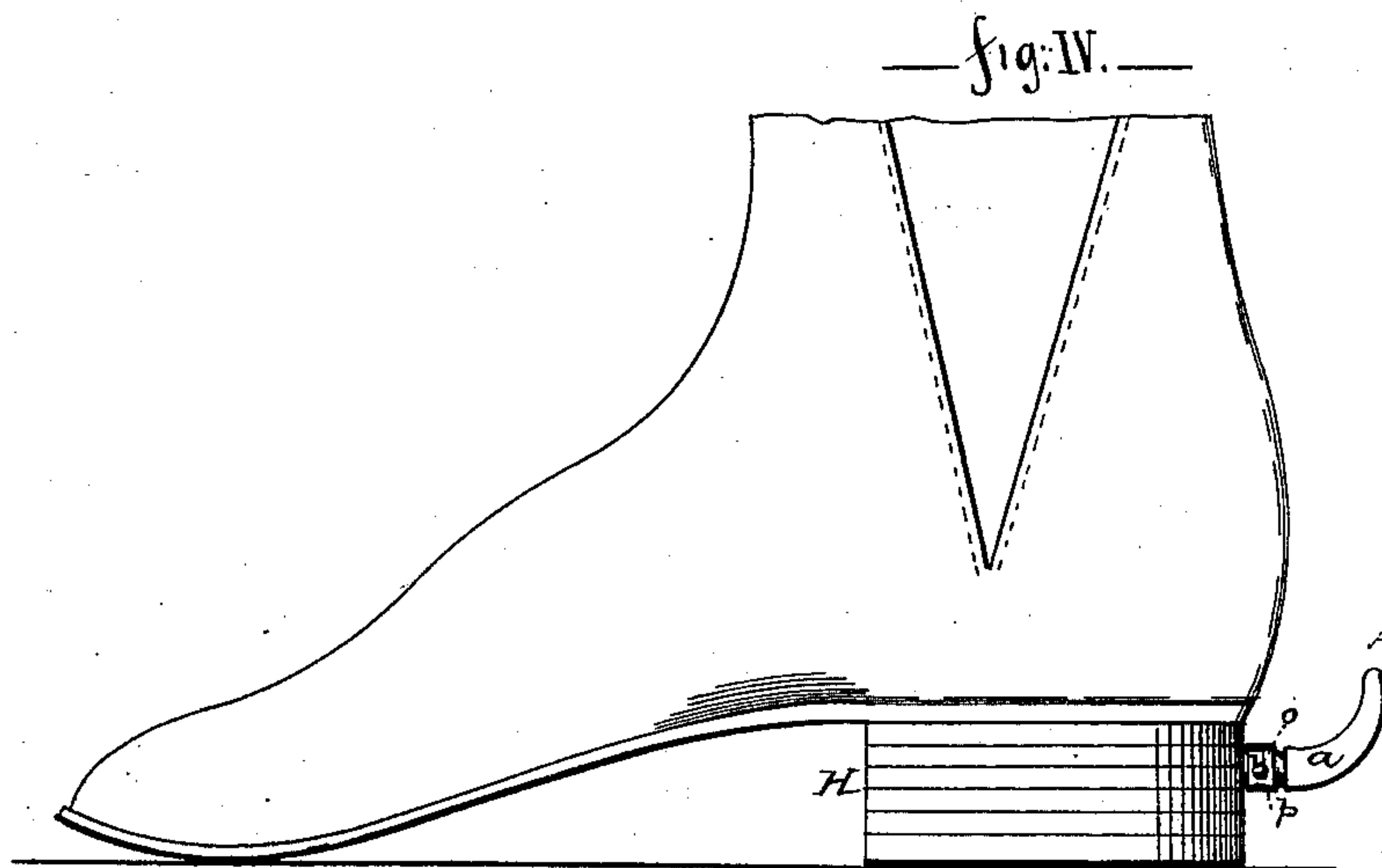
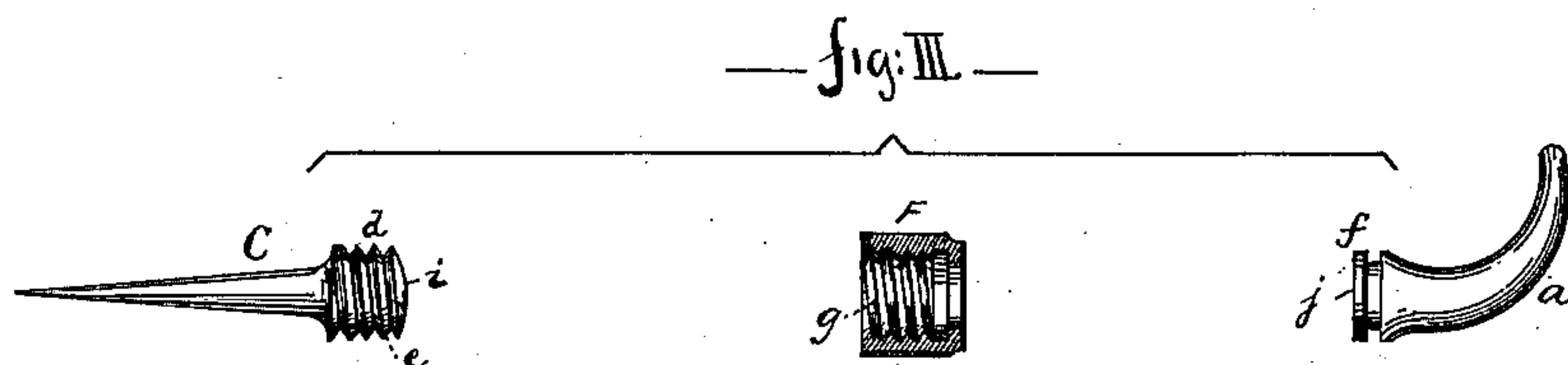
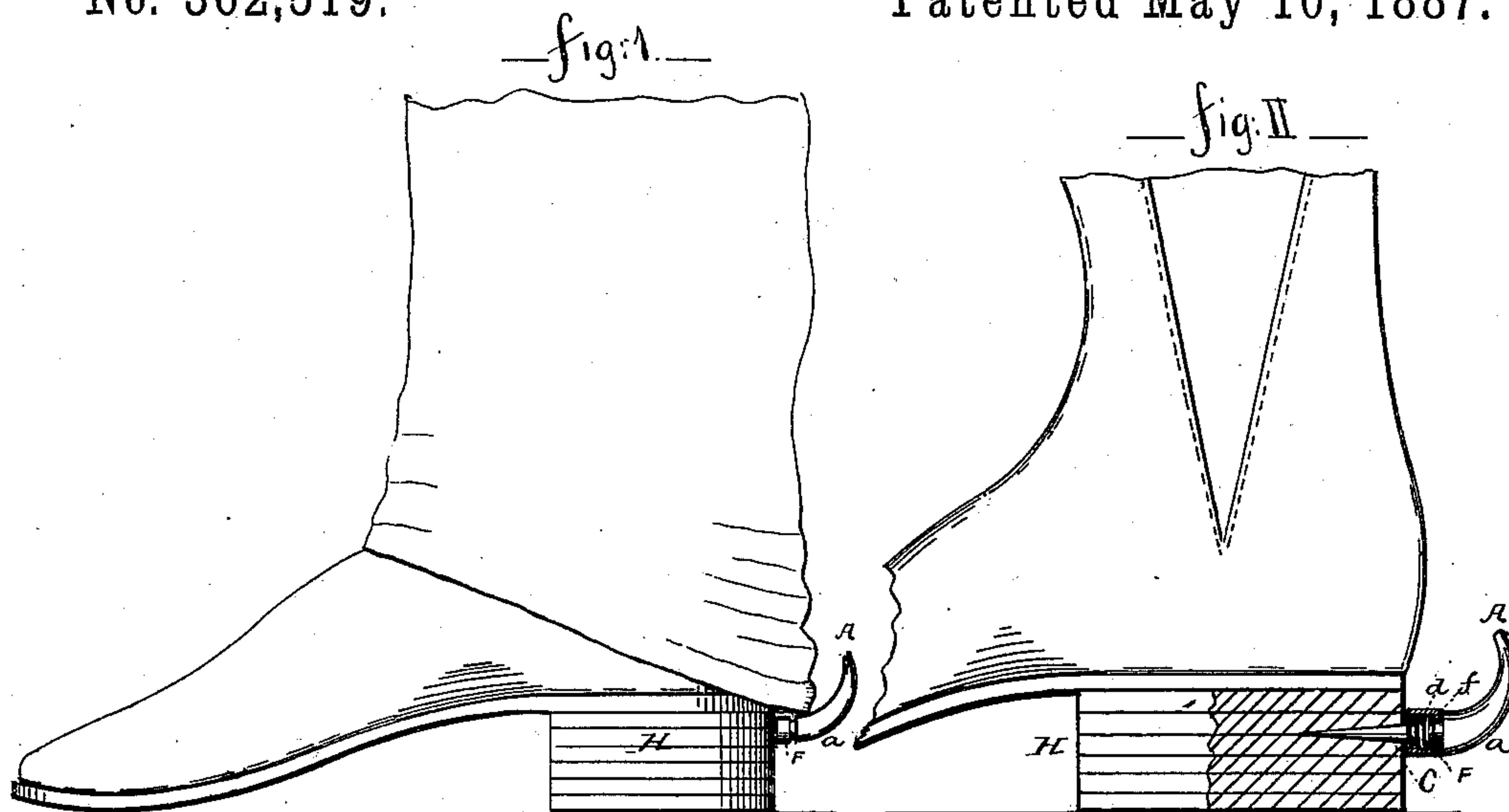
(No Model.)

C. G. LEHMANN & F. W. RABENSTEIN.

PANTALOONS PROTECTOR.

No. 362,519.

Patented May 10, 1887.



Witnesses:

F. Barrett

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UNITED STATES PATENT OFFICE.

CARL GUSTAV LEHMANN AND FRIEDRICH WILHELM RABENSTEIN, OF
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PANTALOONS-PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 362,519, dated May 10, 1887.

Application filed February 5, 1887. Serial No. 226,677. (No model.)

To all whom it may concern:

Be it known that we, CARL GUSTAV LEHMANN and FRIEDRICH WILHELM RABENSTEIN, subjects of the Emperor of Germany, residing in Weissenfels-on-Saale, Kingdom of Saxony, Germany, have invented a new and useful Improvement in Pantaloons-Protectors, of which the following is a clear and exact description.

The object of our invention is to produce a simple, cheap, and effective pantaloons-protector which can be easily applied and easily removed from the heel of a boot or shoe, to which it is attached.

Our invention consists of a curved arm or spur made of any elastic material, which is secured to a pin drawn into the heel of a boot or shoe by a connecting-piece or coupler.

In order to more fully describe our invention, we will refer to the accompanying drawings, of which—

Figure I is a side view of our invention, showing it attached to the heel of a boot. Fig. II is a sectional view of the same. Fig. III shows detached views of the parts. Fig. IV shows our invention secured by the commonly-called "bayonet-coupling lock."

A represents the pantaloons-protector, consisting of the spur *a*, which is made of any elastic material and curved, as shown.

C is the pin, with head *d*, which is provided with threads *e*.

F is a coupling-piece, to which end *f* of the spur is attached. The inner surface of this coupling-piece is provided with threads *g*, corresponding with the threads *e* of the pin-head.

The pin and coupling can be made of any metal.

The operation or how to use our invention is as follows: Drive the pin C into the heel H,

as shown in Fig. II. Then screw the coupling F, with spur *a* attached, over the head *a* until the surface *i* of the head presses against the surface *j* of the spur. By doing this the spur is firmly held in position, as shown in Figs. I and II. To remove the spur unscrew the coupling.

The smallness of the head *d* of the pin C will never cause any entanglement of the pantaloons during walking; nor can the spur cause any disturbance, for the reason that it is made of an elastic material.

In Fig. IV we show how the spur can be attached to the heel by a bayonet coupling or lock. In this case the end of the spur is pressed into the coupling part *p* of the attachment, which is provided with the slots and notches commonly used in this kind of couplings. The head *d* is provided with the pin C.

This device is so constructed that it can readily be carried about by the user, and applied at will when the weather is wet and removed when the weather is clear.

Having thus described our invention, we desire to claim—

In a pantaloons-protector, the spur *a*, fastened to the coupling-piece F and provided with screw-threads *g*, and the pin C, with threaded head *d*, all combined, as described and illustrated, and driven into the heel of a boot or shoe, substantially in the manner shown, and for the purpose set forth.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in the presence of two witnesses.

CARL GUSTAV LEHMANN.

FRIEDRICH WILHELM RABENSTEIN.

Witnesses:

B. ROE,

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