

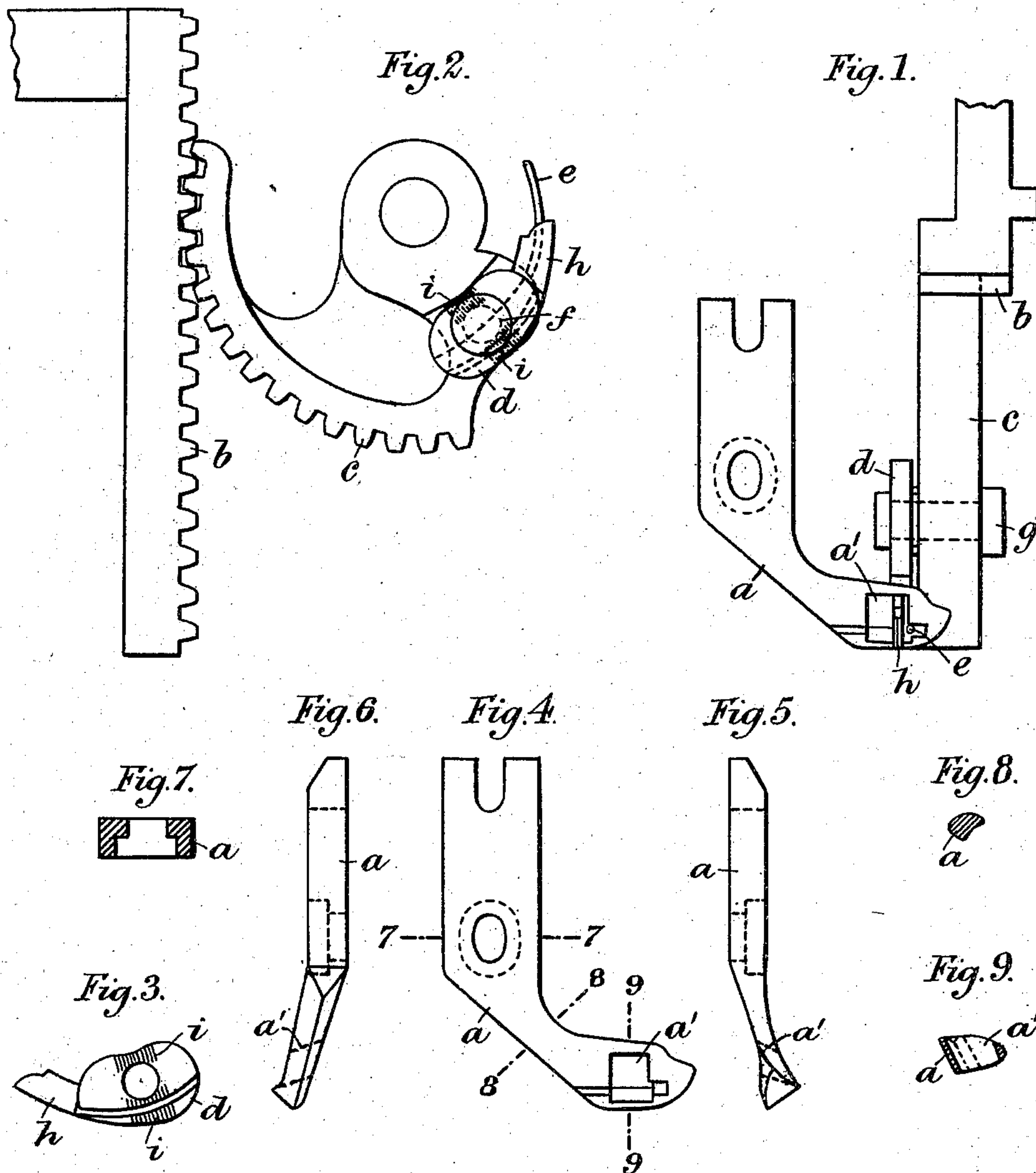
No. 709,041.

Patented Sept. 16, 1902.

P. RANDALL & G. DAVIS.  
BOOT STITCHING MACHINE.

(Application filed Apr. 24, 1902.)

(No Model.)



Witnesses

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# UNITED STATES PATENT OFFICE.

PERCY RANDALL AND GEORGE DAVIS, OF NORTHAMPTON, ENGLAND.

## BOOT-STITCHING MACHINE.

SPECIFICATION forming part of Letters Patent No. 709,041, dated September 16, 1902.

Application filed April 24, 1902. Serial No. 104,471. (No model.)

*To all whom it may concern:*

Be it known that we, PERCY RANDALL, director of H. E. Randall, Limited, boot-manufacturers, and GEORGE DAVIS, foreman of the said H. E. Randall, Limited, subjects of the King of Great Britain, residing at Lady's Lane, Northampton, England, have invented certain new and useful Improvements in Boot-Stitching Machines, of which the following is a specification.

The object of this invention is to enable a boot-stitching machine to effect the "pricking up" or indenting of the welt during the stitching and so to dispense with the subsequent operation of pricking up, which has hitherto been done by hand or by a special machine after the stitching has been completed.

The stitching-machines at present in use are provided with a work-support having a slot in it through which the awl ascends and the needle descends, the awl being secured by the awl-cap to an oscillating segment. According to our invention we provide a pricker-blade, which may be formed in one with the awl-cap and which rises with the awl to indent the welt.

Figure 1 shows a plan of the work-support, awl-cap, and segment and the rack which moves the latter; Fig. 2, a side elevation of the rack, segment, and awl-cap; Fig. 3, an inside elevation of the cap detached from the segment. Fig. 4 is a plan, and Figs. 5 and 6

right and left side elevations, of the work-support; and Figs. 7, 8, and 9 are sections on the lines 7-7, 8-8, 9-9.

*a* is the work-support, having in it a slot *a'*, which is made longer than usual to permit the ascent and traverse of the pricker-blade.

*b* is the rack actuating the awl-segment *c*, to which the awl-cap *d*, holding the awl *e*, is secured by the bolt *f* and nut *g*. We form on this awl-cap *d* a pricker-blade *h*, which rises with the awl and indents the welt. In order that the blade may be firmly held and yet be adjustable, we form teeth *i* on the cap and segment.

We claim—

1. In a rotary boot-stitching machine the combination of a curved awl, a segment to which it is attached, means for rotating the segment, an awl-cap attached to the segment for holding the awl in place and a pricker-blade fast with the cap.

2. In the rotary boot-stitching machine the combination of a curved awl, a segment to which it is attached, means for rotating the segment, an awl-cap for securing the awl to the segment and a curved pricker-blade formed with the cap and concentric with the awl.

PERCY RANDALL.  
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Witnesses:

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