

(No Model.)

J. PHILIPPSOHN.  
CLOTH CUTTING MACHINE.

No. 549,392.

Patented Nov. 5, 1895.

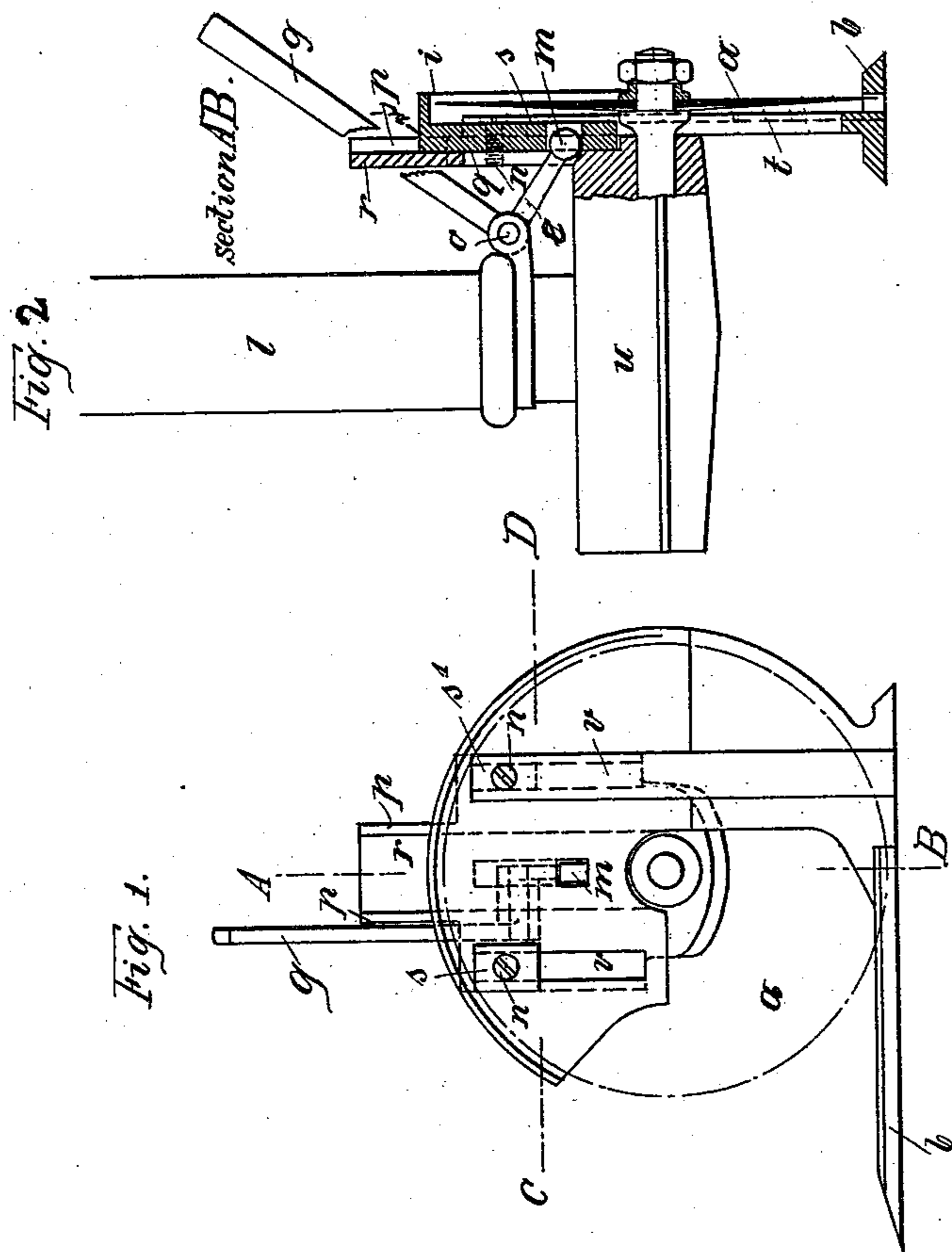


Fig. 2.

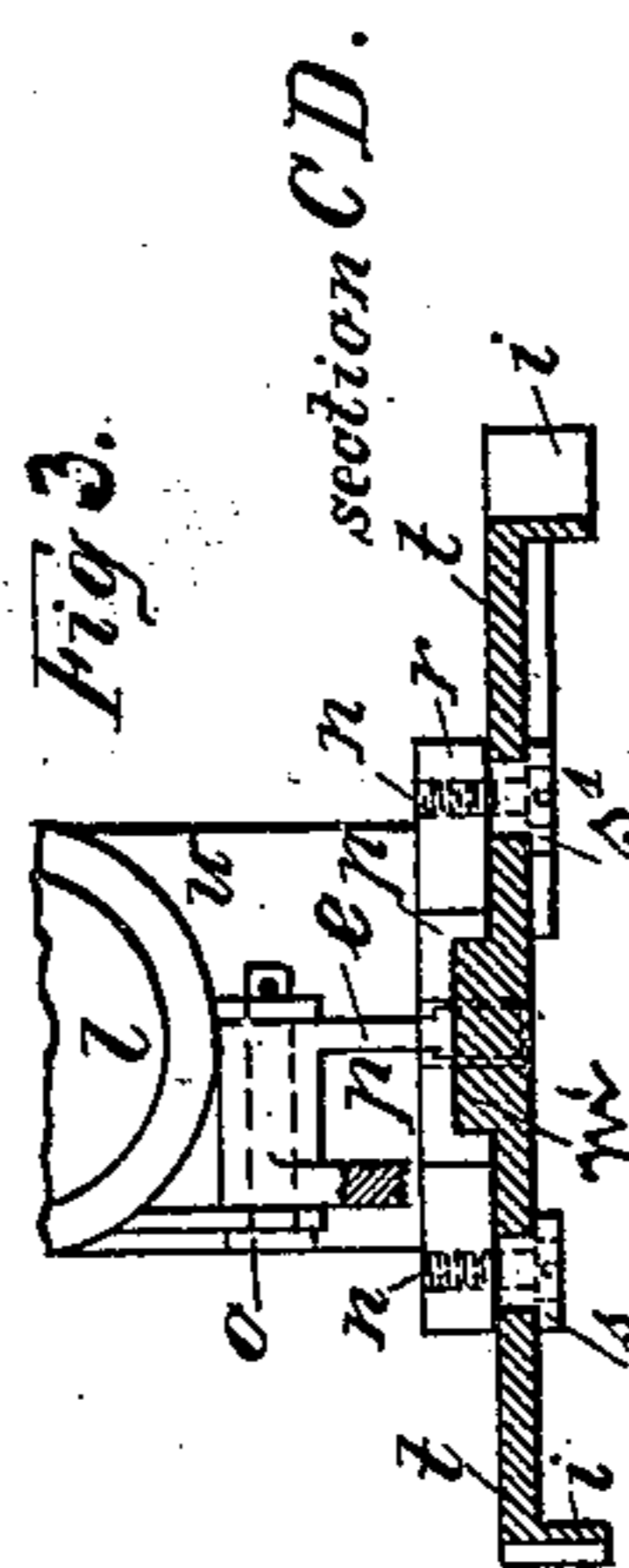


Fig. 3.

Witnesses  
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# UNITED STATES PATENT OFFICE.

JACOB PHILIPPSOHN, OF BERLIN, GERMANY.

## CLOTH-CUTTING MACHINE.

SPECIFICATION forming part of Letters Patent No. 549,392, dated November 5, 1895.

Application filed March 11, 1893. Serial No. 465,609. (No model.) Patented in Austria-Hungary January 21, 1893, No. 27,440 and No. 64,536; in Germany February 1, 1893, No. 71,885; in France May 10, 1893, No. 229,997; in Italy May 16, 1893, No. 34,056; in Belgium May 17, 1893, No. 104,699, and in England May 23, 1893, No. 10,182, and June 28, 1893, No. 12,659.

*To all whom it may concern:*

Be it known that I, JACOB PHILIPPSOHN, a subject of the King of Prussia, German Emperor, and a resident of Berlin, in the Kingdom of Prussia, German Empire, have invented certain new and useful Improvements in Cloth-Cutting Machines, (for which Letters Patent have been obtained in Great Britain, No. 10,182, dated May 23, 1893, and No. 12,659, dated June 28, 1893; in Germany, No. 71,885, dated February 1, 1893; in Austria-Hungary, No. 27,440 and No. 64,536, dated January 21, 1893; in France, No. 229,997, dated May 10, 1893; in Belgium, No. 104,699, dated May 17, 1893, and in Italy, No. 34,056, dated May 16, 1893,) of which the following is an exact specification.

My invention relates to improvements in connection with that type of cutting-machine which is provided with a rotating cutting-disk, and is intended to effect in combination therewith a twofold object: first, to enable the cutting of corners, angles, and curves to be perfectly and accurately performed without any distortion of the cloth, and, second, to facilitate the cutting of a great number of thicknesses of cloth simultaneously, and I attain these results by providing means for raising the cloth at the turning of the cutter in such a manner that the under layers equally with the upper layers are elevated to the periphery of the cutter and cut in the same line as and with the upper layers.

My invention will be more readily understood by reference to the accompanying drawings, in which similar letters are used to denote the same or like parts, and in which—

Figure 1 is a front elevation of a cutting-machine embodying my invention. Fig. 2 is a vertical section on the line A B of Fig. 1. Fig. 3 is a horizontal section on the line C D of Fig. 1.

$l$  is the standard, having a cross-piece  $u$  provided with a plate  $r$ , against the face of which the plate  $t$  bears and slides vertically. This plate  $t$ , bearing the foot  $b$  and the guard-cap  $i$ , has vertical slots  $v v$ . In these slots there are sliding guide-pieces  $s s'$ , connected to the fixed plate  $r$  by means of screws  $n n$ ,

passing through the slots  $v v$ . Thus the plate  $t$  and therewith the foot  $b$  are capable of being raised or lowered a distance not exceeding the extent of the slots  $v v$ .

The angular lever  $g e$ , pivotally mounted on the axle  $o$ , borne by a suitable lug connected to the standard  $l$ , serves for operating the movement of the plate  $t$  and foot  $b$ , as stated, by means of the free end  $e$  of the lever  $g e$  engaging with an opening  $m$  in the plate  $t$  after passing through a slot  $q$  in plate  $r$ , as shown at Figs. 1 and 2.

The plate  $t$  upon its back surface has a vertical projection or tongue  $m'$ , (shown in Fig. 2 and more particularly in Fig. 3,) which slides in vertical guides  $p$ , formed in the plate  $r$ , and this, in combination with guide-pieces  $s s'$  and slots  $v v$ , serves as a support and guide for the cutting mechanism, and for preventing the cutter from damaging the table.

With the raising of the foot  $b$  the guard-cap  $i$  is lifted simultaneously, so that the elevated cloth or other material is thereby prevented from coming in contact therewith, by which the operation of the machine would be impeded.

Having thus fully described the nature of this invention, what I desire to secure by Letters Patent of the United States is—

1. In a cloth-cutting machine, the combination with a supporting standard, and a rotatable disk, of a cloth-supporting foot or tongue arranged below the disk and adapted for vertical movement relatively to the disk, a fixed vertical plate connected to the standard and having a slot  $q$ , a vertically-movable plate having vertical slots and an opening  $m$ , guide pieces sliding in the said slots of the movable plate, screws passing through the same and the slots and into the fixed plate, a bell-crank lever pivotally secured to the standard, one arm of which lever extending through the slot  $q$ , and into the opening  $m$ , all adapted for cooperation as described.

2. In a cloth-cutting machine, the combination with a supporting standard, and a rotatable cutting disk, of a cloth-supporting foot or tongue arranged below the disk and adapted for vertical movement relatively to

the disk, a fixed vertical plate connected to  
the standard and having a slot *q*, a verti-  
cally-movable plate having vertical slots and  
an opening *m*, a tongue on the rear face of  
5 the said movable plate and sliding in guides  
*p*, in the fixed plate, guide pieces sliding in  
the slots of the movable plate, screws pass-  
ing through the same and the slots and into  
the fixed plate, a bell-crank lever pivotally  
10 secured to the standard, one arm of said le-

ver extending through the slot *q*, and into  
the opening *m*, all adapted for cooperation  
as described.

In testimony whereof I have signed this  
specification in the presence of two subscrib- 15  
ing witnesses.

JACOB PHILIPPSOHN.

Witnesses:

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E. SCHULTZE.