

(No Model.)

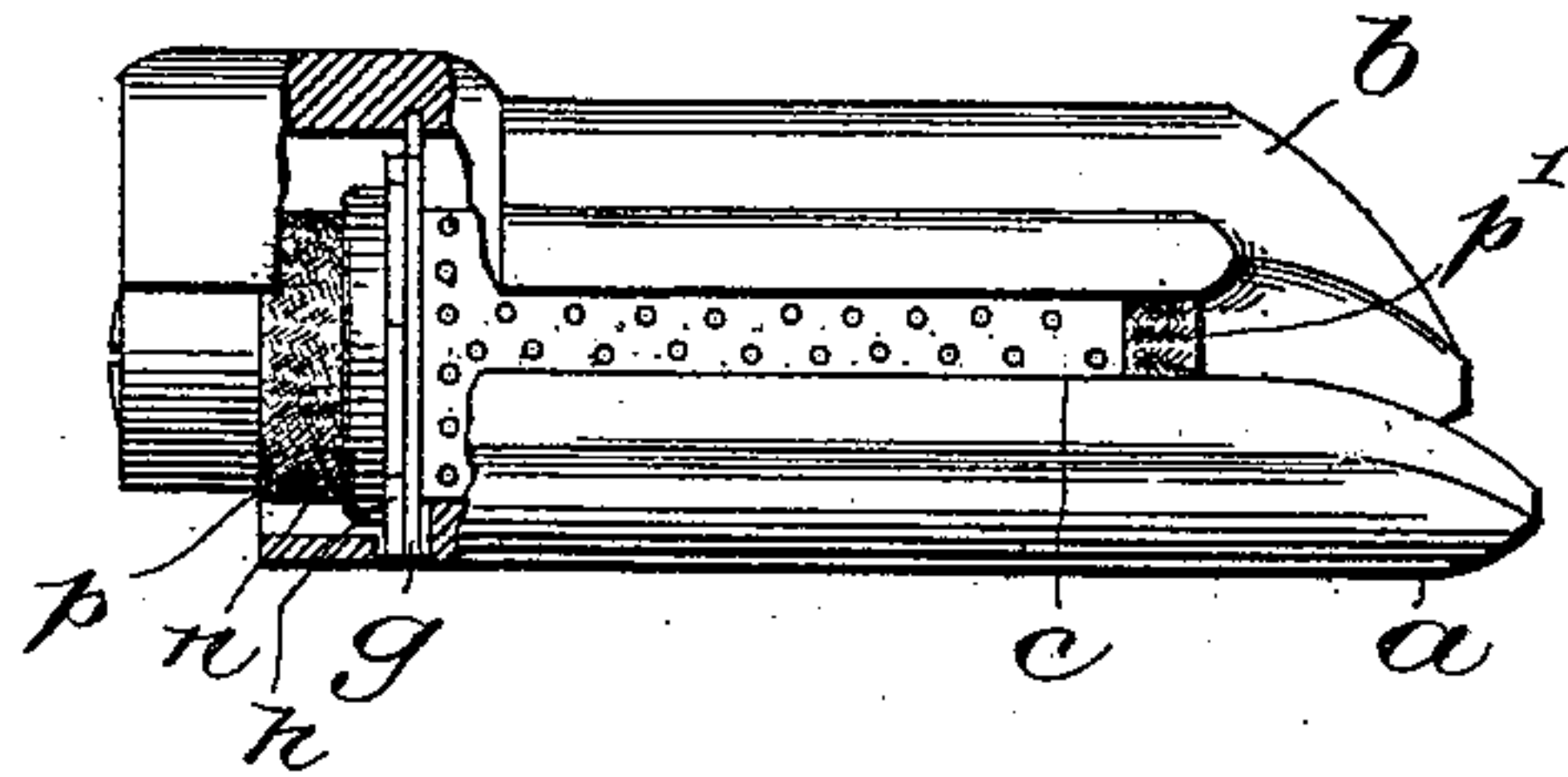
E. S. STIMPSON.

THREAD CUTTING ATTACHMENT FOR LOOM TEMPLES.

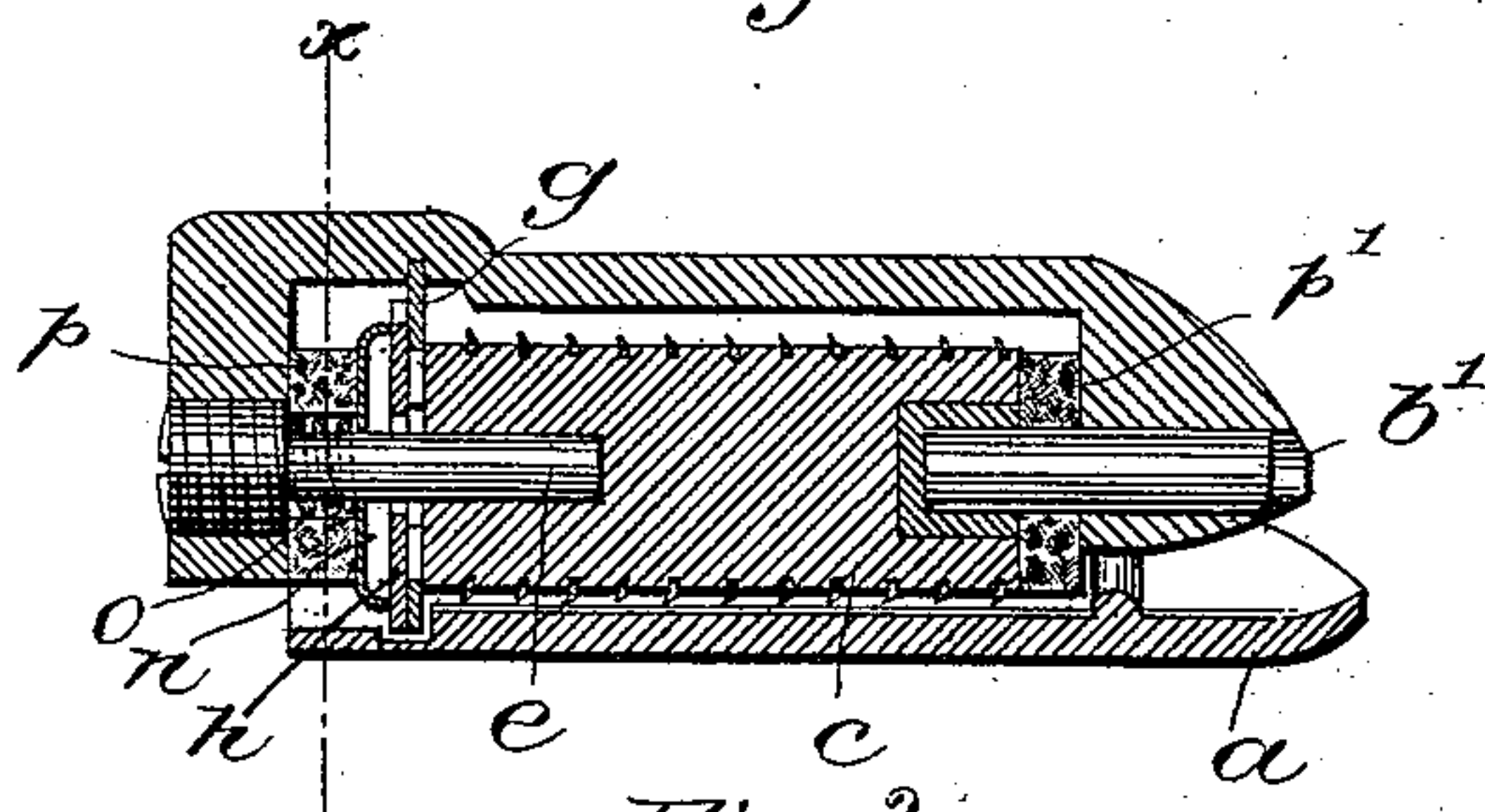
No. 464,203.

Patented Dec. 1, 1891.

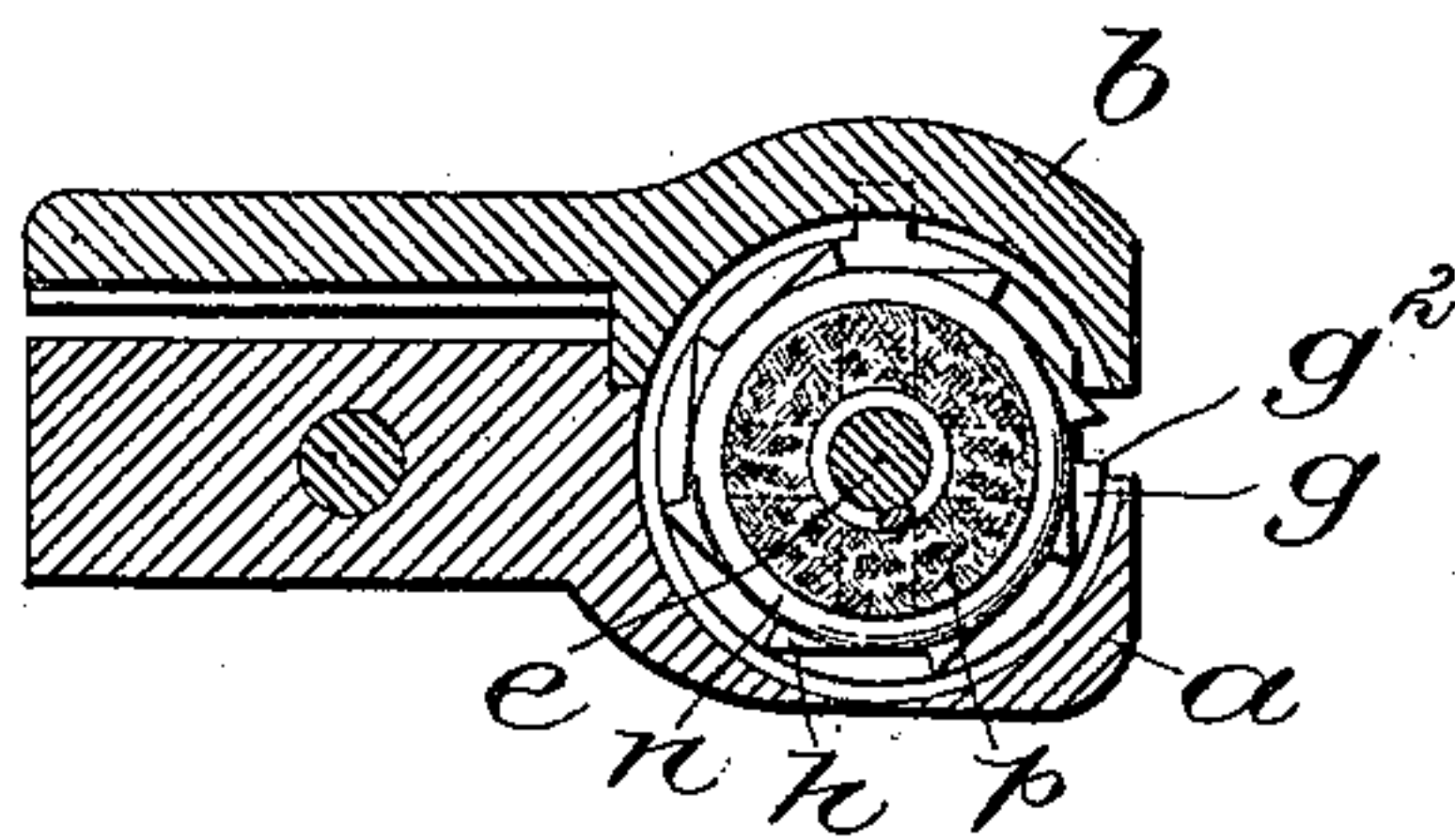
*Fig. 1.*



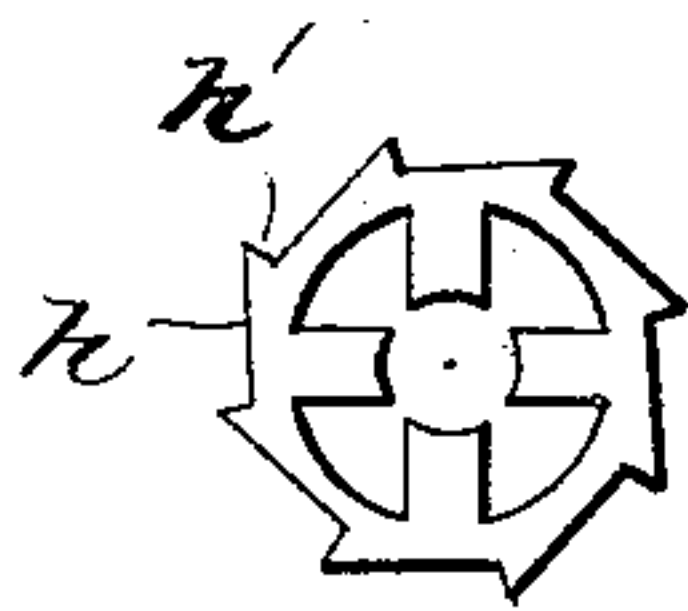
*Fig. 2.*



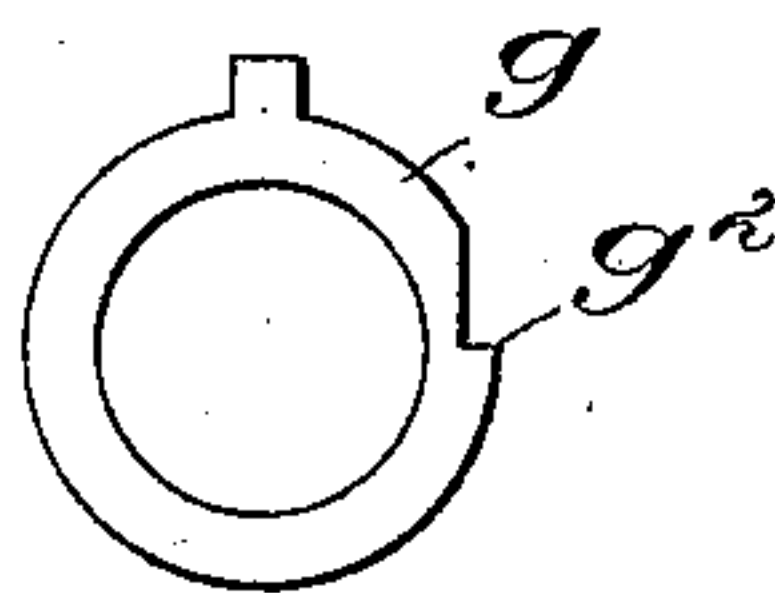
*Fig. 3.*



*Fig. 4.*



*Fig. 5.*



Witnesses.

Fred S. Greenleaf.

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# UNITED STATES PATENT OFFICE.

EDWARD S. STIMPSON, OF HOPEDALE, MASSACHUSETTS, ASSIGNOR TO THE  
DUTCHER TEMPLE COMPANY, OF SAME PLACE.

## THREAD-CUTTING ATTACHMENT FOR LOOM-TEMPLES.

SPECIFICATION forming part of Letters Patent No. 464,203, dated December 1, 1891.

Application filed July 28, 1891. Serial No. 401,001. (No model.)

*To all whom it may concern:*

Be it known that I, EDWARD S. STIMPSON, of Hopedale, county of Worcester, State of Massachusetts, have invented an Improvement in Thread-Cutting Attachments for Loom-Temples, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

This invention is intended as an improvement upon that described in United States application, Serial No. 393,165, filed on the 18th day of May, 1891.

The invention set forth in the said application consists, essentially, of a loom-temple having a thread-cutting attachment, whereby any projecting threads at the selvage of the woven cloth are cut off close to the selvage.

In the application referred to the thread-cutter is composed of a movable and stationary member, the movable member rotating in unison with the temple-roll.

In practice it is quite essential that the movable member of the cutter fit at all times snugly and closely against the stationary member of the cutter to thus insure a clean quick cut, and to do this the movable member must be restrained from unduly tipping out of a vertical plane during its movement or rotation. To effect this I have combined with the rotary movable cutter member a washer or pressure-plate, which keeps it up to its work against the stationary cutter member; and to prevent dust, lint, &c., from getting upon the journals of the temple-roll and into the bearings thereof I have interposed at the ends of the roll suitable rings or washers of felt or other equivalent suitable packing.

Referring to the drawings, Figure 1 in front elevation, partially broken out, shows the head of a temple embodying my invention. Fig. 2 is a longitudinal section thereof. Fig. 3 is a cross-section of Fig. 2 in the line  $x$ , and Figs. 4 and 5 show the movable and stationary cutting members detached.

The cap  $b$ , the journals  $b'$  and  $c$ , fixed therein and entering bearings of usual or suitable construction in the temple-roll  $c$ , the pod  $a$ , the stationary cutter member  $g$ , having a cut-

ting-edge  $g^2$ , and the movable cutter member  $h$ , having, as represented, a series of cutting-edges  $h'$ , are and may be all substantially as in the said application, wherein like letters are used to designate like parts.

In this invention I have added to the parts before referred to a washer or pressure-plate  $n$ , preferably shown as saucer-shaped or concaved at one side (see Fig. 2) to bear upon the outer side of the movable cutter member  $h$  and keep it pressed in close working contact with the stationary cutter member  $g$ . The washer or pressure-plate  $n$  is held up to its work in yielding manner by the spring  $o$ .

To prevent the entrance of dust or other particles into the bearings or between the bearings of the temple-roll and the journals upon which it rotates, I have shown the said journals as surrounded between the ends of the roll and parts of the cap separating the said journals with fibrous or other packing washers  $p$  and  $p'$ , preferably washers of felt. The bearing-plate  $n$  keeps the cutting members in proper close contact to insure accurate sharp cutting.

Having described my invention, what I desire to claim by Letters Patent is—

1. The combination, with a loom-temple and an attached thread-cutting device consisting of two members, of a yielding pressure-plate bearing against one of the said members to keep it pressed toward the other of the said members, to operate substantially as described.

2. The combination, with a temple-roll, a temple-cap, and its journals, of a flexible non-metallic washer surrounding one of said journals and interposed between the end of the roller and the support for the journal to prevent dust, lint, &c., from getting upon the journals of the temple-roll and into the bearings thereof, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

EDWARD S. STIMPSON.

Witnesses:

REUBEN A. COOKE.

FRANK J. DUTCHER.