

M. H. AVRAM.
STROPPING ROLLER.
APPLICATION FILED JUNE 21, 1909.

950,527.

Patented Mar. 1, 1910.

Fig. 1.

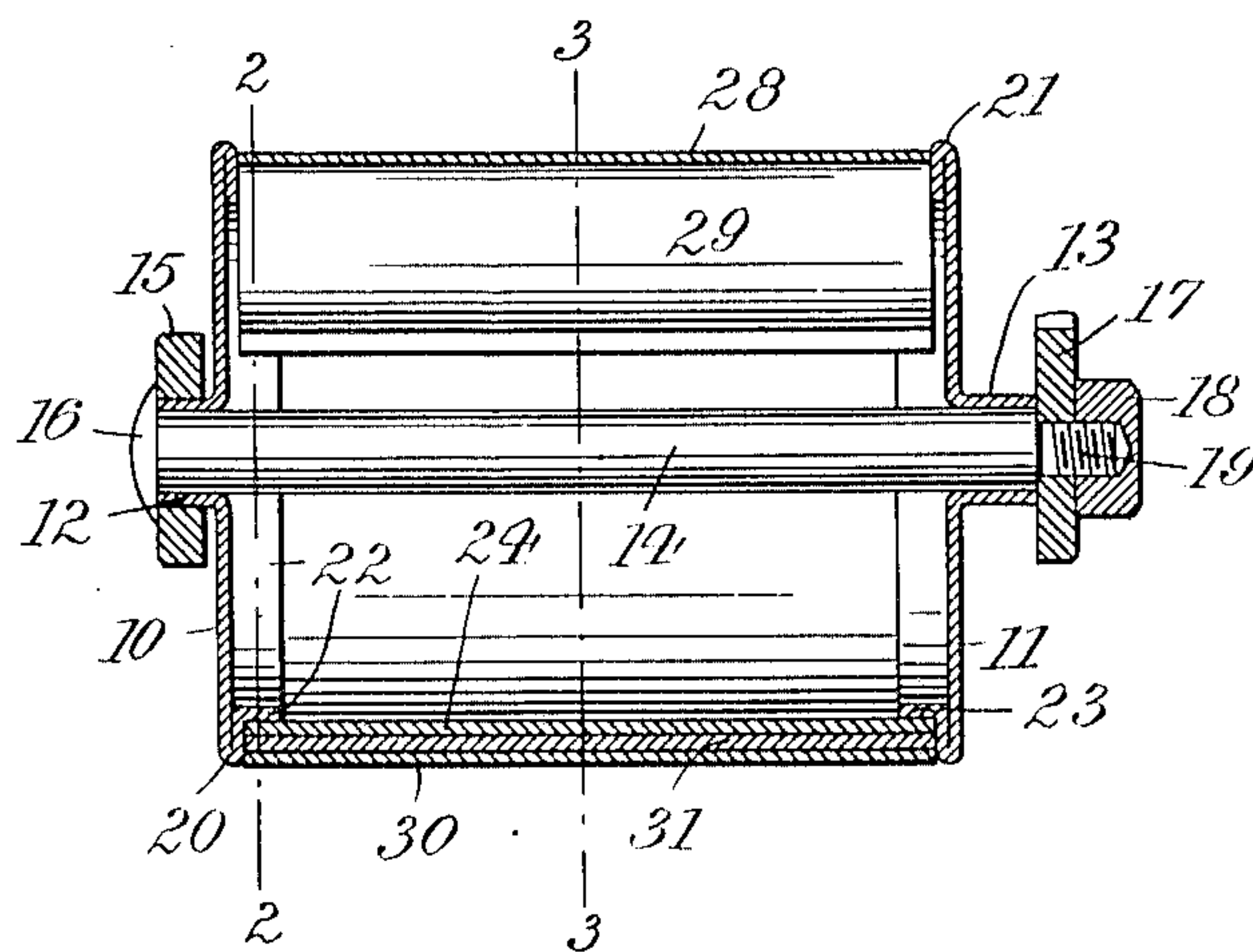


Fig. 2.

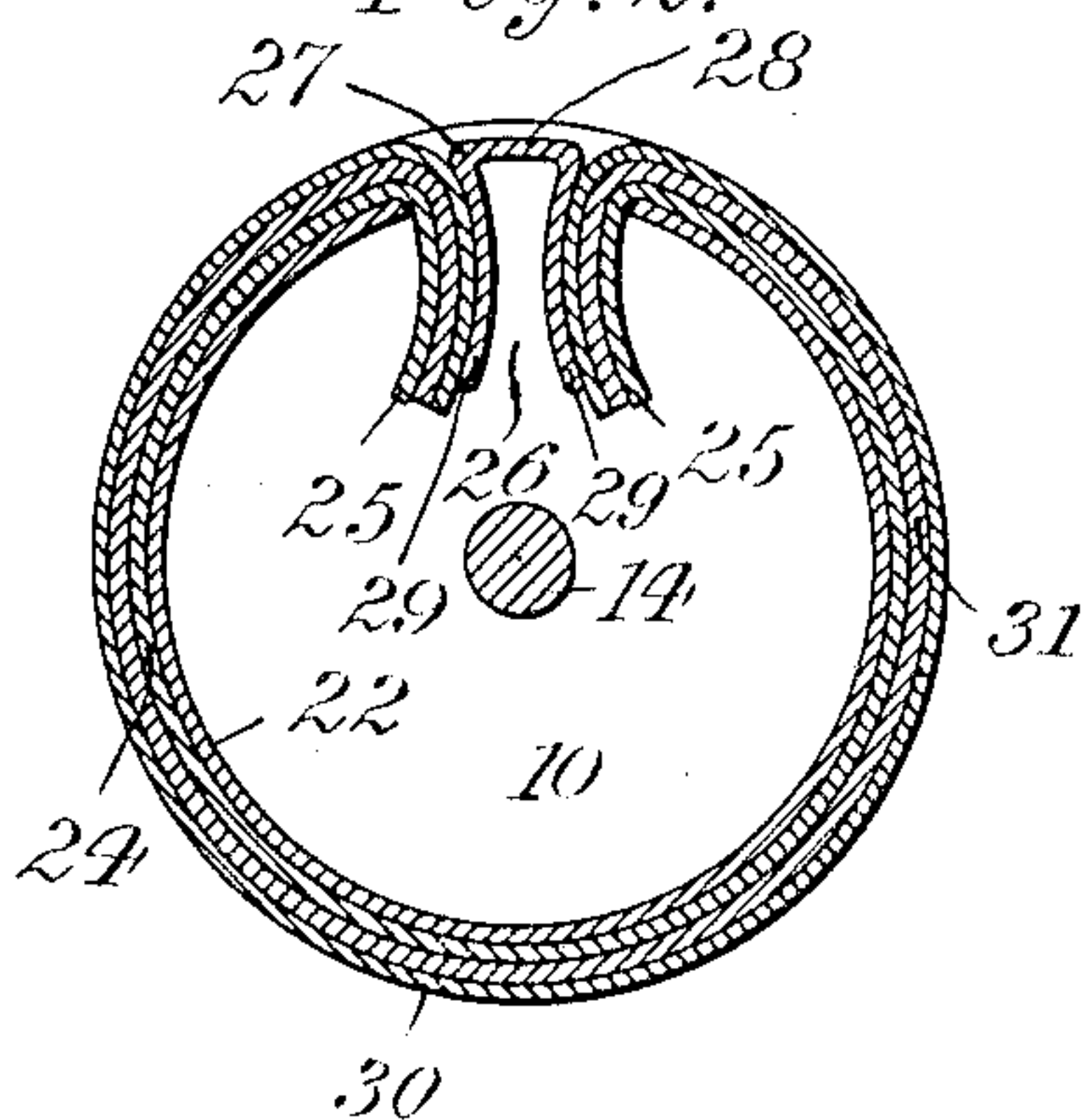
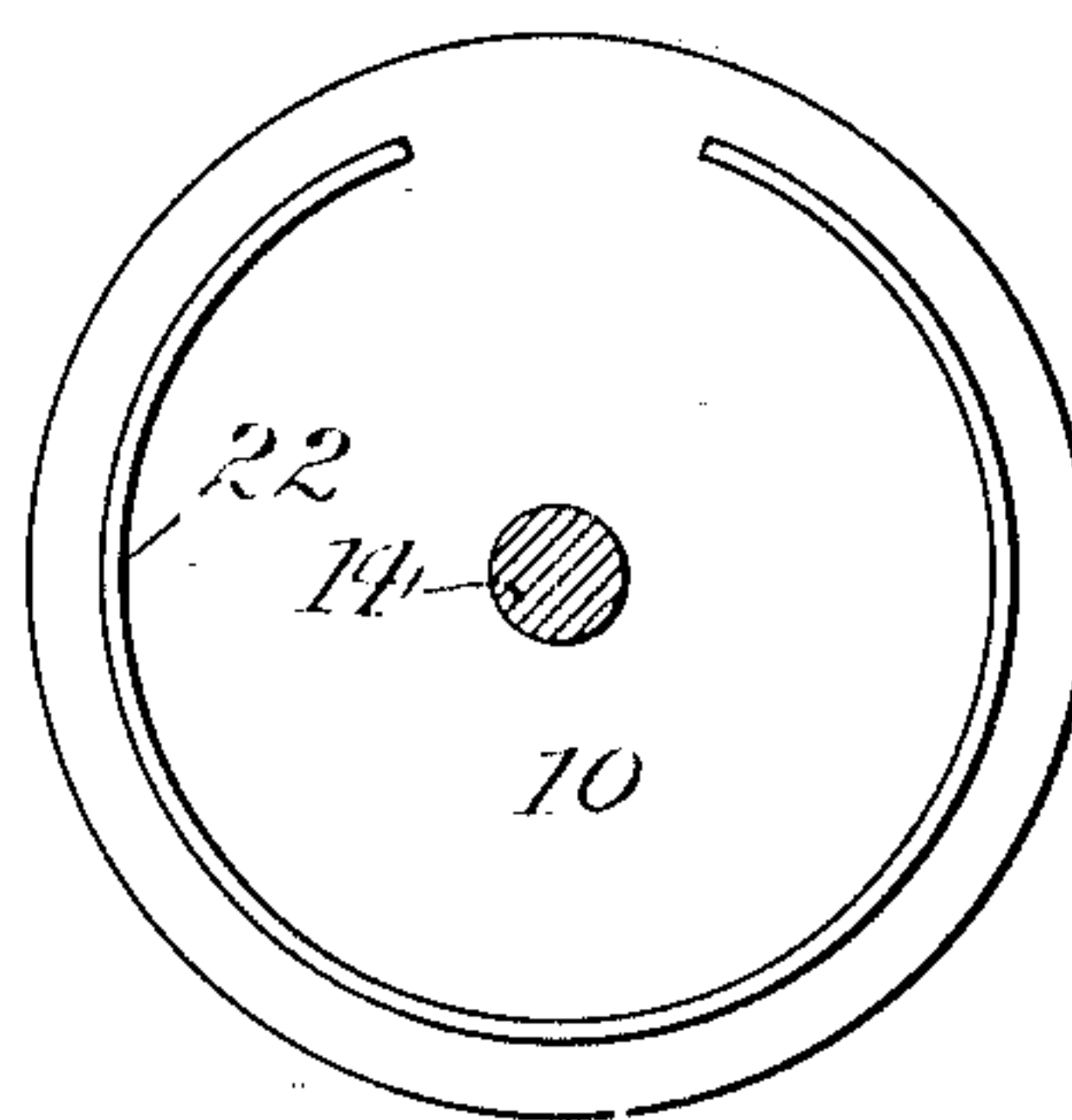


Fig. 3.



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UNITED STATES PATENT OFFICE.

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STROPPING-ROLLER.

950,527.

Specification of Letters Patent.

Patented Mar. 1, 1910.

Original application filed March 25, 1909, Serial No. 485,620. Divided and this application filed June 21, 1909. Serial No. 503,493.

To all whom it may concern:

Be it known that I, MOÏS H. AVRAM, a citizen of the United States, residing at New York city, Manhattan, county of New York, State of New York, have invented new and useful Improvements in Stropping-Rollers, of which the following is a specification.

This invention relates to a stropping roller of novel and simple construction which is more particularly adapted to be used in conjunction with razor stropping machines and similar devices.

This application is a division of a co-pending application filed by me on March 25, 1909, under Serial No. 485,620.

In the accompanying drawing: Figure 1 is a longitudinal section through a stropping roller embodying my invention; Fig. 2 a cross section on line 2—2, Fig. 1, and Fig. 3 a cross section on line 3—3, Fig. 1, with the shell, cushion and covering omitted.

The stropping roller is composed of a pair of spaced parallel disks 10, 11 provided with integral cylindrical hubs 12, 13 respectively which embrace loosely a stationary axle 14. Hub 12 is fitted into a corresponding bore of a bearing 15, a head 16 formed on axle 14 preventing an accidental disengagement of the hub from the latter. Hub 13 abuts with its outer edge against a frame 17, to which axle 14 is firmly secured by means of a nut 18 engaging the reduced threaded end 19 of the axle. At their peripheries, disks 10, 11 are first turned inwardly and then laterally to form doubled rims 20, 21 and cylindrical flanges 22, 23 respectively. Flanges 22, 23 which face each other are embraced by a cylindrical shell or barrel 24, which is of a length substantially equal to the distance between double rims 20, 21. Shell 24 is provided with a pair of convex inwardly extending resilient jaws 25 which are slightly spaced so as to form an intervening gap 26. In order to accommodate these jaws, flanges 23, 24 are partly cut away as illustrated in Fig. 3. Into gap 26 is adapted to be fitted a wedge or key 27 which comprises essentially a comparatively narrow web 28 and a pair of opposed resilient clamp plates 29 which have the tendency to spread apart. Plates 29 are concaved to correspond substantially to the curvature of jaws 25.

Shell 24 is covered by a layer of leather, canvas or other stropping material 30, said material also extending over jaws 25 so as to be engaged by the curved plates 29 of key 27 (Fig. 2). If desired a layer of felt or a similar soft material 31 may be interposed between shell 24 and layer 30 to form a cushion for the latter.

In assembling the parts, layer 31 is first placed around shell 24 and jaws 25 whereupon layer 30 is placed above layer 31. After both of these materials have been drawn tightly around shell 24, clamp plates 29 of key 27 are compressed and the latter is slipped into gap 26. When key 27 has thus been properly positioned, layers 30, 31 will be forced against jaws 25 and thus be firmly held in place. The relative size and configuration of key 27 should be such that after being brought into proper position, its web 28 is slightly set back from the outer periphery of layer 30, as illustrated in Fig. 2.

It will be seen that my improved stropping roller is of simple and reliable construction and that its parts may be readily assembled.

I claim:

1. A stropping roller comprising a pair of parallel spaced disks, flanges on the disks, a cylindrical shell engaging said flanges, inwardly extending convex jaws formed on the shell, a covering surrounding said shell and jaws, and a concave key adapted to be inserted between the jaws.

2. A stropping roller comprising a pair of parallel spaced disks, flanges on the disks, a cylindrical shell engaging said flanges, inwardly extending convex jaws formed on the shell, a covering surrounding said shell and jaws, and a key having a pair of concave resilient clamping plates and adapted to be inserted between the jaws.

3. A stropping roller comprising a stationary axle, a pair of flanged disks rotatable thereon, a shell carried by the disk flanges, inwardly extending curved jaws formed on the shell, a covering surrounding said shell and jaws, and a concave key adapted to be inserted between the jaws.

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