

(No Model.)

J. C. DAGGETT.  
CHANNEL FLAP LAYING DEVICE.

No. 455,560.

Patented July 7, 1891.

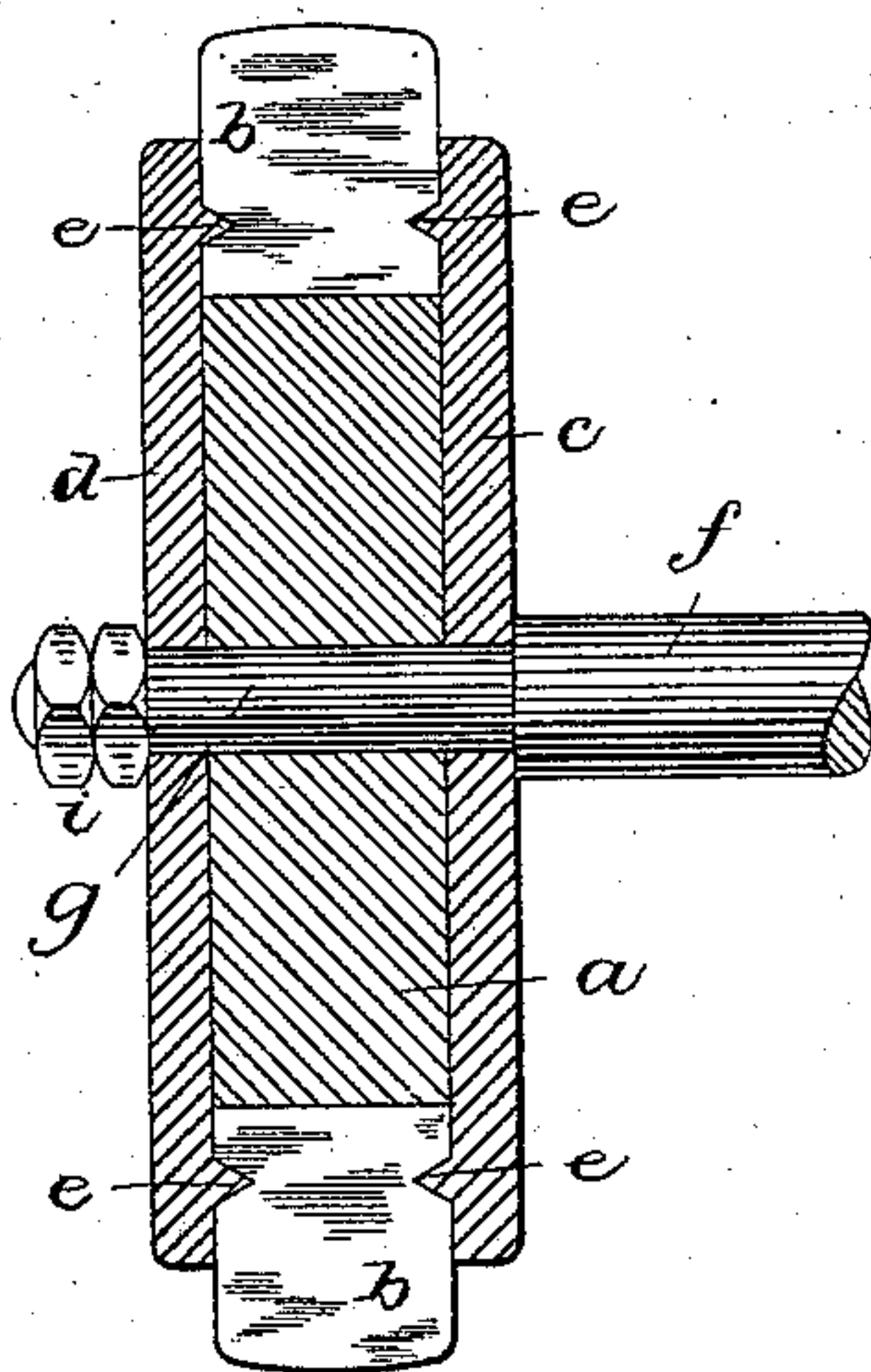
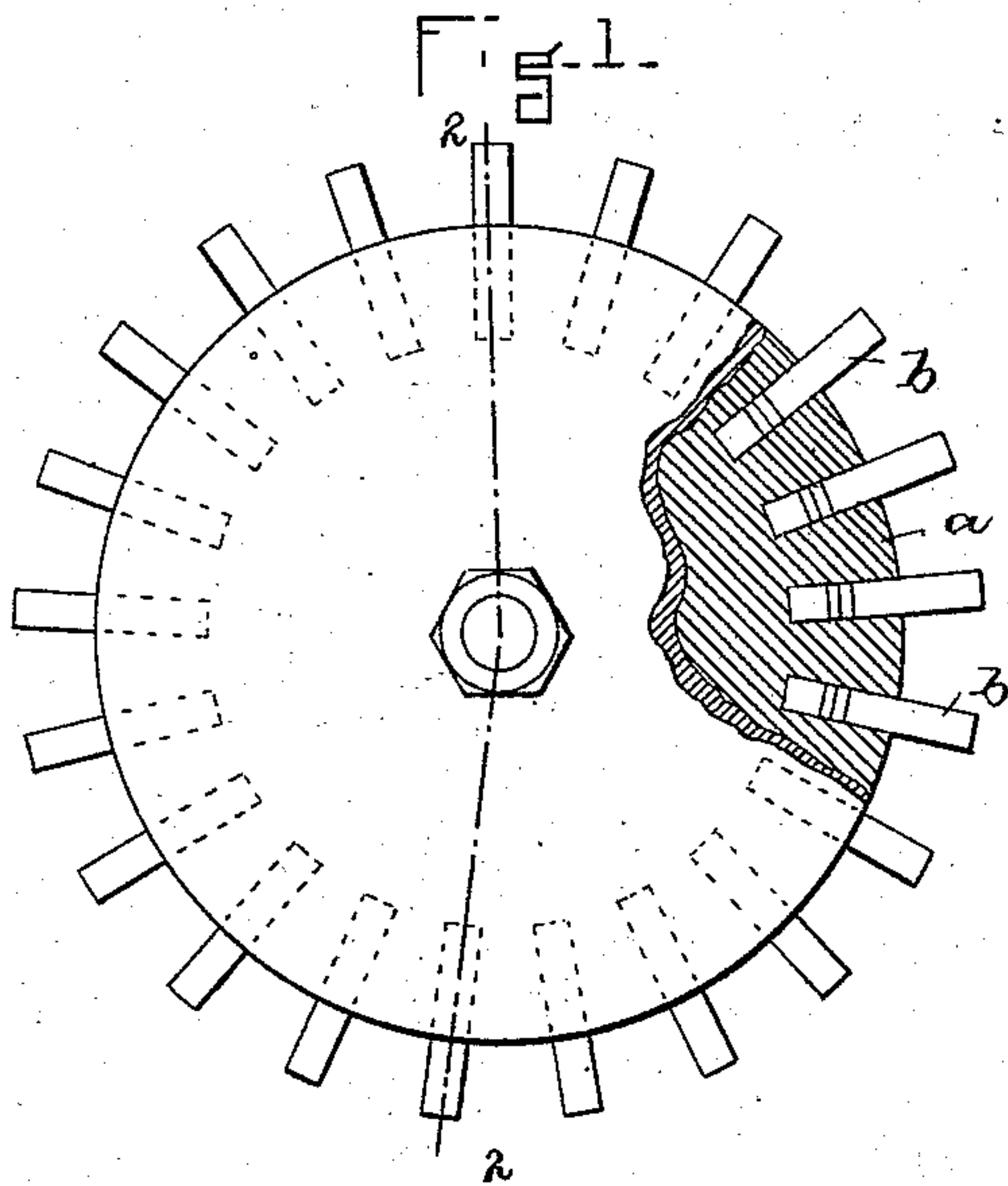


Fig. 2.

WITNESSES.

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# UNITED STATES PATENT OFFICE.

JOHN C. DAGGETT, OF NEPONSET, ASSIGNOR TO ARTHUR FULLER AND E. C. JUDD, BOTH OF BOSTON, MASSACHUSETTS.

## CHANNEL-FLAP-LAYING DEVICE.

SPECIFICATION forming part of Letters Patent No. 455,560, dated July 7, 1891.

Application filed May 21, 1890. Serial No. 352,609. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN C. DAGGETT, of Neponset, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Channel-Flap-Laying Devices, of which the following is a specification.

It is the object of my invention to provide an improved device for rubbing or pressing back to place the channel-flap of a boot or shoe sole after the latter has been "sewed on."

Among the contrivances heretofore employed for the purpose mentioned is a rotary wheel provided on its periphery with metallic blades or wipers yieldingly supported in position. While this device serves the purpose for which it is intended quite well so long as it remains uninjured, an objection to its use arises from the fact that the operating faces or edges of the metallic wipers are liable to become scratched by contact with the nails in the soles of the shoes, or from other causes, when the damaged wipers operate with marring effect upon the work.

By my invention the advantages of the yielding rubbing or wiping devices are secured, while the objectionable features are entirely avoided, the said invention consisting in providing a rotary wheel with rubbers or wipers of leather or other suitable non-metallic material which is flexible, secured in the periphery of the wheel at suitable intervals and projecting therefrom so as to effect a rubbing or wiping action sufficient to lay the channel-flap back to place upon the line of stitching made in the channel.

My invention will first be described in view of the annexed drawings and letters of reference marked thereon, forming a part of this specification, and pointed out in the claim.

Of the said drawings, Figure 1 is a side view of a rotary wheel provided with my improved channel-flap rubbing or wiping means, a portion of one of the disks by which the leather rubbers or wipers are held in place being represented as broken away to better illustrate the construction of the device. Fig. 2 is a central sectional view of Fig. 1, taken on the line 2 2.

Similar letters of reference designate simi-

lar parts or features, as the case may be, in both views.

In carrying out my invention I provide a wheel or disk *a*, of wood or other suitable material and of desired size, in the periphery of which, at proper intervals, I form radial kerfs, in which kerfs or slots I insert strips or pieces of leather *b* in such manner that they will project a short distance beyond the periphery of the wheel *a* and constitute channel-flap wipers or rubbers. As is clearly shown in Fig. 2, these strips *b* may be held in the kerfs in any suitable way. As herein shown, they are secured in position by means of disks *c d*, each provided with a sharp-edged rib *e* at a point where it will engage the edges of the leather rubbers or wipers. The said disks are arranged upon the opposite sides of the wheel *a* in such manner that the sharp ribs *e* will face inward. An annular groove corresponding to the form of the rib *e* is made in the sides of the wheel *a*, and it may be in the edges of the leather wipers or rubbers *b*. The disks *c d*, after being arranged as shown, are securely clamped against the sides of the wheel, as shown in Fig. 2, and by means of their ribs *e* engage and hold the wipers or rubbers *b* in place.

*f* is a rotary shaft, which may be reduced in diameter, as at *g*, where the wheel is secured thereon, leaving a shoulder *h*, against which the side of the disk *c* may bear, the two disks being clamped upon the wheel, as aforesaid, by means of the nuts *i*, screwed upon the end of the shaft *f*.

Instead of employing leather for the wiping or rubbing devices *b*, I may use rubber, rawhide, or other suitable flexible non-metallic material.

By the means described I am enabled to operate upon the channel-flaps so as to restore the same to position over the channel and line of stitching without danger of marring the surface of the material operated upon. and at the same time I provide a durable and efficient means for the purpose which is quite economical of construction.

I find that the leather wipers or rubbers act to stretch the channel-flaps, and thus restore them more perfectly to place on the bot-

tom of the sole than metallic wipers, the leather exerting a stronger frictional hold on the channel-flap than metal.

Having thus explained the nature of my invention and described a way of constructing and using the same, I declare that what I claim is—

10 A channel-flap-rubbing device consisting of a rigid hub or disk having slots in its periphery and a series of wipers inserted and closely fitted in said slots, each wiper being a piece of flexible or yielding non-metallic material, such as leather, projecting outside the periphery of the hub or disk, the ends of

said wipers within the periphery of the hub 15 being separated and firmly supported by the rigid body of the hub, while their outer ends are separated by spaces which permit said outer ends to bend or yield freely, as set forth.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 19th day of May, A. D. 1890. 20

JOHN C. DAGGETT.

Witnesses:

AMBROSE CHOQUET,  
FRANCIS PLUNKETT.