March 9, 1926. 1,576,223

W. H. ROBBINS

STEEL WOOL BUFFER

Filed June 5, 1925

Fig. 1.

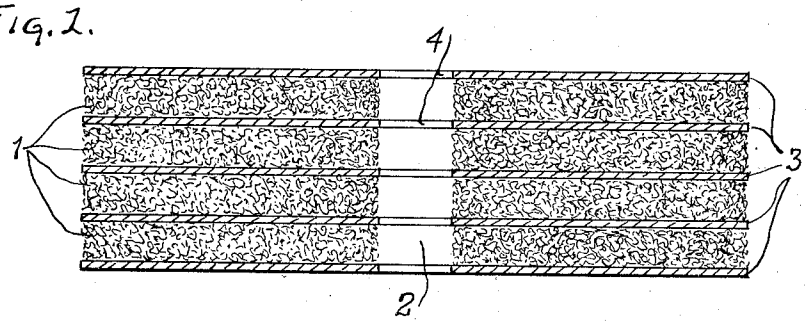


Fig. 2.

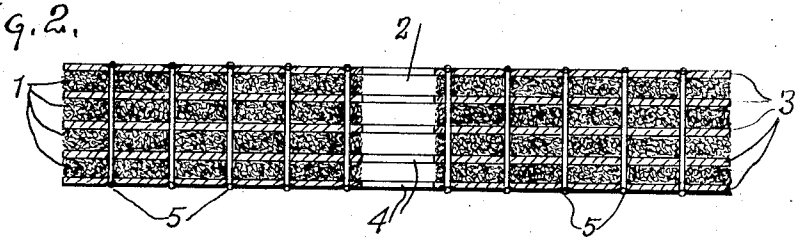
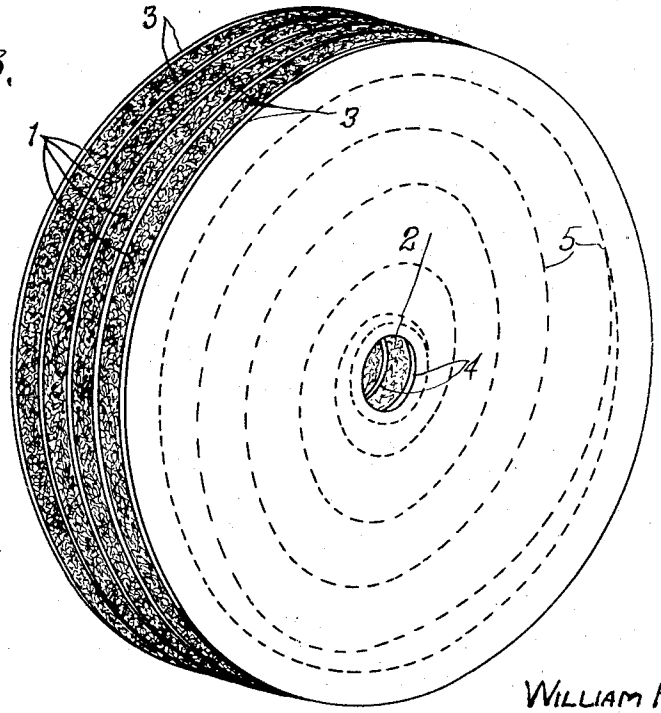


Fig. 3.



INVENTOR

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UNITED STATES PATENT OFFICE.

WILLIAM H. ROBBINS, OF SPRINGFIELD, OHIO, ASSIGNOR TO THE WILLIAMS COMPANY, OF LONDON, OHIO, A CORPORATION OF OHIO.

STEEL-WOOL BUFFER.

Application filed June 5, 1925. Serial No. 35,153.

To all whom it may concern:

Be it known that I, WILLIAM H. ROBBINS, a citizen of the United States, residing at Springfield, in the county of Clark and State of Ohio, have invented certain new and useful Improvements in Steel-Wool Buffers, of which the following is a specification, reference being had therein to the accompanying drawing.

My invention relates to a buffer and in particular to a buffer employing steel wool.

It is the object of my invention to provide a buffer composed of layers of steel wool, the edges of the layers being disposed for buffing purposes. It is my object to retain the layers in position by material which will wear away at the same time the steel wool is consumed by the buffing operation.

It is a further object to provide a buffer which will be very cheap to manufacture, which can be readily assembled by relatively unskilled labor and which because of its cheapness can be used in large quantities.

Referring to the drawings:

Figure 1 is a section of the buffer in assembled position before being stitched in its final compressed form;

Figure 2 is a similar view with the buffer suitably stitched showing the stitchings;

Figure 3 is a perspective of the buffer showing the buffer in its completed condition.

Referring to the drawings, it will be observed that the buffer consists of a plurality of superimposed spaced layers of steel wool 1 which have a central aperture 2 passing through the buffer. Separating these layers of steel wool and embracing the layers on either side are a series of disks of textile material or other material which may be easily worn away with the steel wool during the buffing operation. These disks are designated 3 and have apertures 4 coinciding with the aperture 2 in the steel wool disks. The steel wool disks and the fabric disks are stitched together by the spiral stitching 5 with the result that a composite buffing wheel is formed of alternate layers of textile material and steel wool, the latter being compressed. Due to the fact that the stitching is spiral the buffing wheel will hold together even though successive lines of the stitching are worn away with the wool and textile material. The central aperture is useful for the purpose, of course, of mounting the buffing wheel on the buffing wheel shaft.

It will be understood that when I refer to a buffing wheel I am using the term generically and mean to include within it any form of buffing member. For instance, I do not desire to confine myself to a wheel as my invention may be embodied in other forms than wheels for scouring, polishing, or buffing purposes and my claim should be read and understood with that in mind when I refer to the term buffing wheel as a convenient means of classifying this invention in buffing articles.

It will be understood that I desire to comprehend within my invention such modifications as may be necessary to adapt it to varying conditions and uses within the scope of the claim.

Having thus fully described my invention, what I claim as new and desire to secure by Letters Patent, is:—

In a buffer the combination of a plurality of spaced layers of steel wool, retaining disks interposed between said layers of steel wool and being of material adapted to be worn away with the steel wool during buffing and a spiral stitching through said wool and retaining disks proceeding progressively from the center of the buffer to the margin thereof completely therethrough, said buffer having a central aperture for mounting of the buffer on a shaft.

In testimony whereof, I affix my signature.

WILLIAM H. ROBBINS.