Jan. 8, 1929.

1,698,512

W. H. ROBBINS

STEEL WOOL

Filed Feb. 4, 1927

FIG. 1.

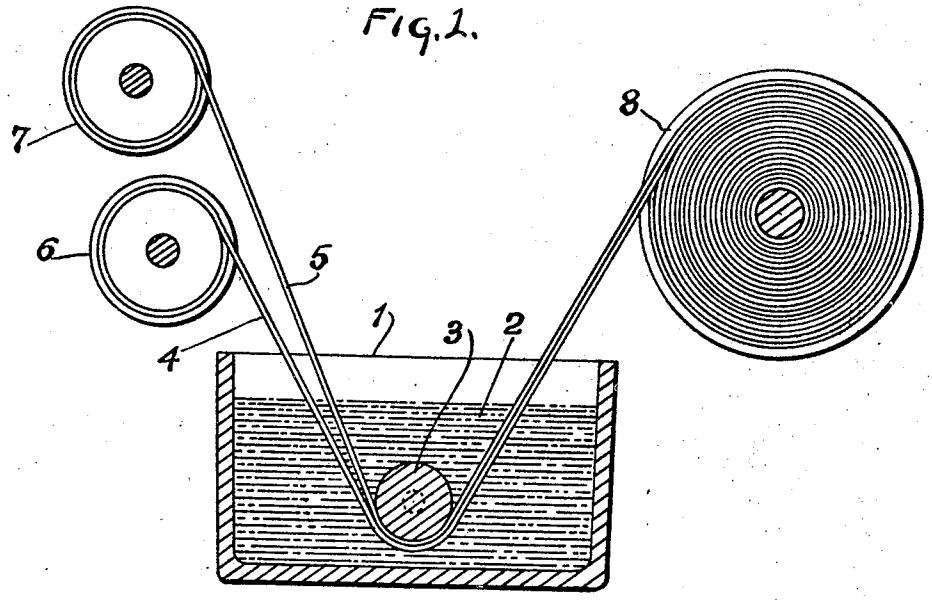


FIG. 2.

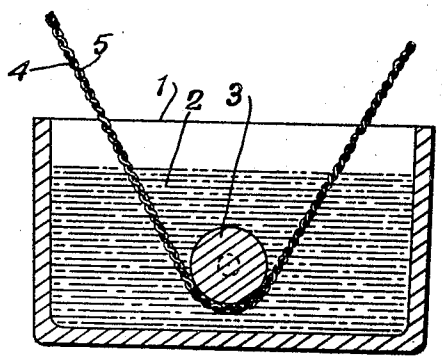


FIG. 3.

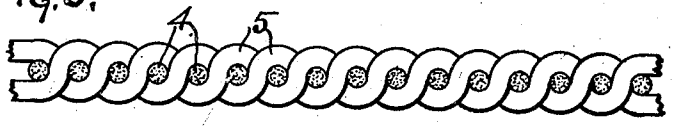


FIG. 4.

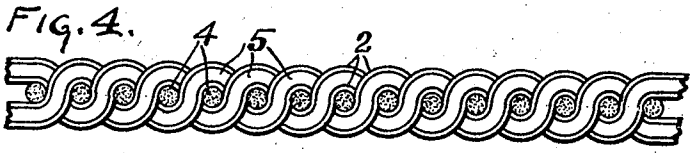
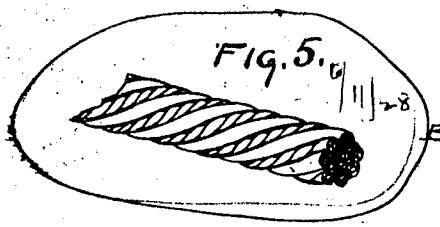


FIG. 5.



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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.

Application filed February 4, 1927. Serial No. 166,001.

My invention relates to a device, method and article for providing in a combination with steel wool a rope fabric or other form or shape associated with an absorbent material containing a soap, waterproofing material, rustproofing material, cleaning, polishing, srinking or abrading compound.

Referring to the drawings,

Fig. 1 is a diagrammatic view of the apparatus used for this purpose;

Fig. 2 is a diagrammatic view showing a woven fabric being coated with the desired liquid materials;

Fig. 3 is a section through a fabric before it is coated;

Fig. 4 is a section of the fabric after it is coated.

Referring to the drawings in detail 1 is a tank in which is located a supply of liquid soap, waterproofing material or a rustproofing compound or any other cleaning or polishing material desired. In the tank is mounted a freely turning guide roller 3 underneath which the steel wool strand 4 and the textile strand 5 pass from the supply rollers 6 and 7 respectively. The combined strands after having been coated are wound on a drum 8.

In the event that the textile material and the steel wool have already been woven into a fabric such as shown in Fig. 3 the fabric is passed beneath the roller 3 as shown in Fig. 2 and comes out in condition shown in Fig. 4, where the absorbent textile material has absorbed the liquid in the tank and stored it up for future use. A coating may adhere to the steel wool. In the view in Figures 3 and 4 it will be seen that the textile material consisting of the strands 5 are so woven that they are on the outside of the supporting and strengthening strands of steel wool 4. In Fig. 4 the textile strands are shown diagrammatically with a coating of the liquid material 2 but this is only for the purpose of illustration as the material will be absorbed throughout the textile material by its fibres composing the strand 5. The coating of the material 2 also appears on the steel wool strands but as the steel wool strand is not of absorbent material this will remain on the outside.

It will be understood that I desire to comprehend within my invention such modification as may be necessary to adapt it to varying condition and uses.

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

1. A new article of manufacture, a fabric composed of steel wool and textile strands, the textile strands carrying a liquid material which has been absorbed therein for use as an emollient.

2. A new article of manufacture, a fabric consisting of exteriorly disposed textile strands, a liquid material absorbed thereby, and interiorly disposed supporting strands of steel wool.

3. A new article of manufacture, a fabric composed of steel wool and textile strands immersed in soap.

In testimony whereof, I affix my signature.

WILLIAM H. ROBBINS.