March 9, 1937. O. LINDER 2,073,558

BROOM

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Fig. 1.

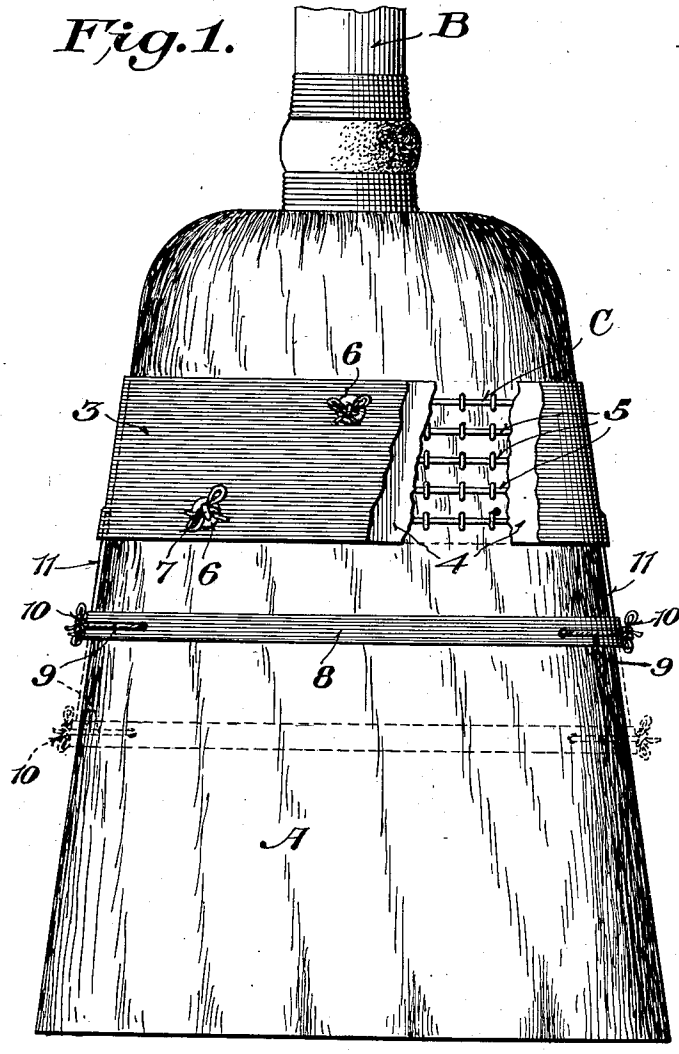
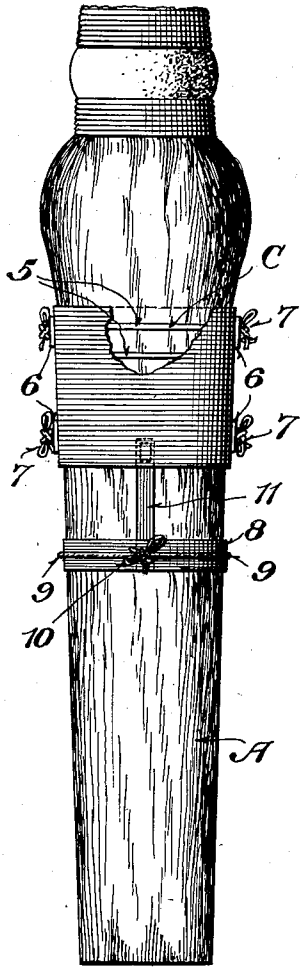


Fig. 2.



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BROOM

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2 Claims. (Cl. 15—168)

This invention relates to bands, bridles, or bindings placed around the mass of straw filaments of brooms and the like to strengthen the mass, and to prevent or restain the filaments from spreading.

It is an object of the invention to provide a stationary band of elastic fabric webbing or equivalent material that constantly is under tension around the straw mass of the broom.

Another object is to position such a band over the twine stitching by which the straws are held together near the head of the mass, and to interpose between the straws and the band, over the stitching, a lining of tough paper or other suitable sheet material capable of protecting the stitching from moisture and thus to prevent the twine stitching from stretching under the influence of moisture and loosening their confining effect on the straws.

The invention also provides a slidable elastic band or bridle, below the stationary band, that surrounds the straws, restrains them from spreading during use of the broom, and brings them back to a compact mass while the broom is idle.

When considered with the description herein, the characteristics of the invention are apparent in the accompanying drawing, forming part hereof.

Like reference-characters refer to corresponding parts in the views of the drawing, of which—

Fig. 1 is a side elevation, certain parts being broken away;

Fig. 2 is an edge elevation, certain parts being broken away.

The broom to which the improvements of this invention are applied may be of any conventional type that includes a mass of straw filaments A connected at the top in the usual manner to a handle B, the straws being held together near the top by any desired number of rows (say five) of twine stitching C extending through and around the straw mass.

A band of elastic fabric webbing or equivalent material **3** is disposed around the filament mass over and covers the stitching. A lining **4** of tough paper or suitable waterproof or water-repellant material is interposed between the band and the straw mass and entirely covers the rows of stitching, whereby the stitching is protected from moisture and stretching thereof resulting from wetting is avoided.

The band and lining are held in place and against slipping upwardly and downwardly by strands **5** that extend therethrough and through the straw mass. Each of the strands is disposed between two rows of the stitching C, and thus the stitching prevents downward and upward slipping of the band and lining. The strands **5** are tied at their ends to ornamental buttons **6** on the outside of the band, and their ends are formed into ornamental bows **7**.

The band being constantly under tension, it always has a compressing action on the straws and restrains them from spreading.

In order to restrain the straws from spreading below the band, a bridle **8**, in the form of a band of elastic tape or the like, is disposed around the straw mass, and by its tension holds the straws compactly together at the place to which it may be adjusted. Being elastic, it permits the straws to spread to some extent while the broom is in use; but, as soon as pressure of the broom against the floor ceases, and the consequent spreading of the straws relieved, the bridle draws the straws together and keeps the mass compact.

Within limitations, the bridle may be slipped upwardly and downwardly to any place to which it is desired to move it for confining the straws. In order that the bridle may not be apt to slip from the place to which moved, a cord **9** extends therethrough and through the straw mass near each edge, and these cords are tied over and around the edges by bow or other suitable slip knots **10**. By tightening or loosening the cords, they may be brought to the tension required for keeping the bridle at the desired place or to permit it to be slipped to another place.

To prevent the bridle from slipping or being slipped too far down on the straw mass, strips **11** at the edges of the mass are connected to the bridle and to the band **3**. These strips may be of elastic material and of such length that, for normal use of the broom, they limit the downward positioning of the bridle, or draw the bridle back to normal position when it has been slipped too far down. However, when it is desired to have the bridle stay at what is a below normal place, the cords **9** may be tightened to such an extent that the elastic strips cannot draw the bridle upwardly from such a position as indicated, for example, by dotted lines in Fig. 1.

What I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with a broom having stitching through its mass of filaments near the top, of a band of elastic fabric under tension around the filaments over the stitching, and a lining of moisture-repellant sheet material interposed between said band and stitching.

2. The combination, with a broom having stitching through its mass of filaments near the top, of a band of elastic fabric under tension around the filaments over the stitching, a lining of moisture-repellant sheet material between said band and stitching, and strands extending through said band, lining and filaments preventing displacement of the band and lining.

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