

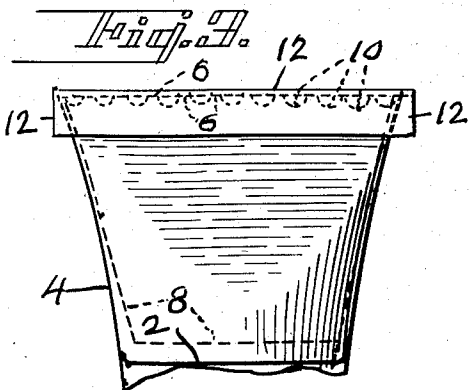
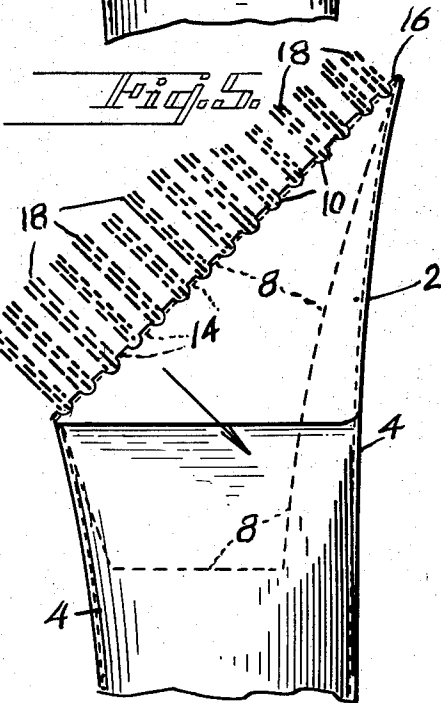
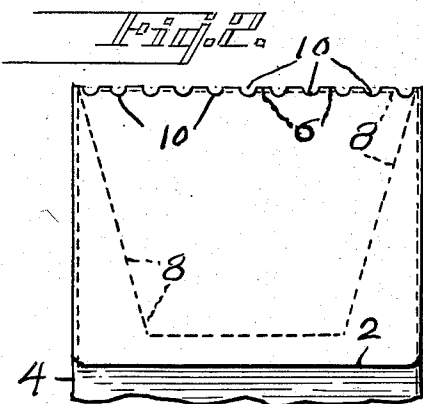
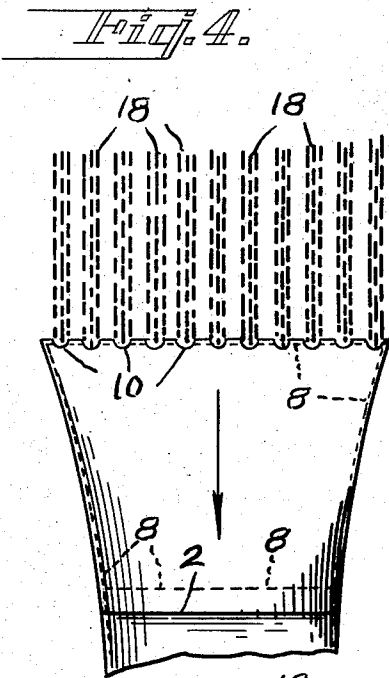
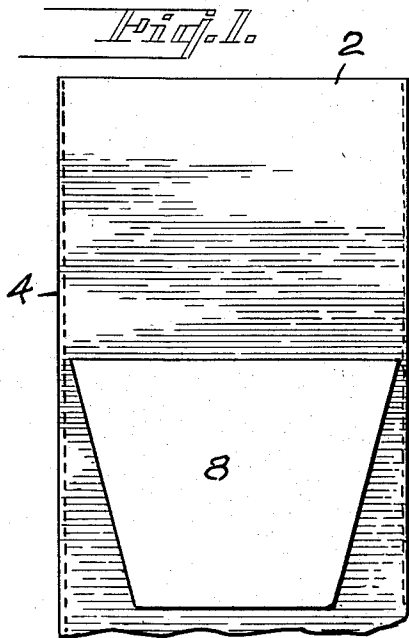
Dec. 16, 1958

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2,864,108

CEMENT APPLICATOR AND SPREADER

Filed Oct. 25, 1957



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2,864,108

CEMENT APPLICATOR AND SPREADER

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Application October 25, 1957, Serial No. 692,425

4 Claims. (Cl. 15—135)

The present invention relates to a new and improved article of manufacture, comprising a cement applicator and spreader, wherein a flexible and impervious envelope has an end folded back upon itself, forming a fold, having a plurality of dispensing outlets on the edge thereof, operates in conjunction with a spatula mounted within said fold and having notches in the edge thereof matching with the said dispensing outlets, and a detachable seal mounted over said dispensing outlets, whereby one or more paths or strings of cement may be applied to a surface and efficiently spread to form a continuous application over an area.

The primary object of the present invention is to provide a new and improved article of manufacture comprising a cement applicator and spreader having improved means adapted to readily and efficiently apply a cement to a surface, in varying widths and to effectively spread the same over an area.

Another object is to provide a new and improved device of the character set forth having improved means adapted to dispense a single or multiple trail or trails of cement and spread the same laterally into a single continuous area.

A further object is to provide a new and improved cement applicator of the type described having a greatly simplified and readily operable and economically produced construction, and a maximum efficiency.

The improvement comprises the applicator disclosed in the drawings forming a part of the present application, in which—

Figure 1 is a broken plan view of one end of the device in the initial stage of formation;

Figure 2 is a similar view of the second step;

Figure 3 is a similar view of the final stage;

Figure 4 is a broken plan view disclosing one method of application; and

Figure 5 is a similar view disclosing a modified form of the improvement.

Referring to the drawings; the numeral 2 is used to designate one end of a flexible, impervious envelope 4 of cellophane, polyester, or similar material, capable of being sealed by the application of pressure and heat, and folded back upon itself and forming a fold 6, under which is placed a spatula 8, of a sufficiently stiff but flexible material, with an edge lodged within said fold 6, and is permanently secured therein by the conventional application of pressure and heat to said fold.

After said spatula 8 is thus embedded within the fold 6, the enclosed edge of the spatula and the fold 6 are punched or cut to provide a plurality of evenly spaced and matching dispensing outlets 10.

A detachable seal 12, preferably of an adhesive tape type, is folded over the edge or fold 6 to enclose said outlets, and the envelope 4 is then filled with a plastic cement which imparts to it the conventional cylindrical shape of filled collapsible tubes, with the perforated edge of the embedded spatula 8 normally retaining a straight fold 6 for spreading purposes.

In Figure 5 is disclosed a modified form of the applicator where the fold 6 is made diagonally, with a suitably shaped spatula 8 as disclosed, by means of which

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diagonal fold a greater length and greater number of dispensing outlets 10 may be had. This diagonal arrangement also increases the capacity of the spreading function of the device, and also provides, when required, with a single pointed outlet by means of which the cement may be easily and readily applied to comparatively narrow, inaccessible places, such as cracks, or other narrow places.

In operations, the seal 12 is partly removed at one end to uncover only a single end outlet 10, where only a single strand of cement is to be applied, or entirely removed to render accessible the entire complement of outlets 10, as disclosed in Figure 4.

The cement is applied by trailing the folded end 6 over a surface to be treated, which, when the tube or envelope 4 is manually squeezed in the conventional manner, will leave a plurality of cement strands in evenly spaced parallel rows, as disclosed schematically in Figure 4. These rows 18 may easily and readily be united and spread over a continuous area by laterally moving the fold 6 across said rows. After an operation, the seal 12 may be replaced, or the outlets 10 left exposed, in which case they will readily seal themselves by hardening of the exposed cement at each outlet.

With the modified form of diagonal fold disclosed in Figure 5, cement easily may be applied to comparatively narrow or inaccessible areas, by removing the seal 12 partially to uncover only the single outlet 10 immediately adjacent the tip 16, which will permit only a single strand of cement to be applied within a narrow crack, groove, or other comparatively inaccessible area.

Having described my invention, I claim:

1. In a new article of manufacture, a cement applicator and spreader comprising a flexible, impervious envelope having an end folded back upon itself and having a plurality of dispensing outlets in said fold; and a spatula having an edge within said fold and having notches therein matching said outlets in said fold.

2. In a new article of manufacture, a cement applicator and spreader comprising a flexible, impervious envelope having an end folded back and secured upon itself, forming a fold, said fold having a plurality of dispensing outlets along the length thereof; a spatula mounted within said fold and having notches in an edge thereof matching said dispensing outlets; and a detachable seal mounted over said fold and outlets therein.

3. In a new article of manufacture, a cement applicator and spreader comprising a flexible, impervious envelope having an end folded back upon itself diagonally, and forming a diagonal fold, said fold having a plurality of dispensing outlets along the length thereof; a spatula having a diagonal edge mounted within said diagonal fold and having a plurality of notches therein matching said outlets in said diagonal fold.

4. In a new article of manufacture, a cement applicator and spreader comprising a flexible, impervious envelope having an end folded back diagonally upon itself, forming a diagonal fold, said fold having a plurality of evenly spaced dispensing outlets along the length thereof; a spatula having a diagonal edge mounted within said fold and having a plurality of notches in said edge matching said outlets; and a detachable seal mounted over said diagonal fold and outlets therein.

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