Jan. 18, 1949. A. POWER 2,459,392

STIPPLER

Filed July 17, 1945

Fig. 1.

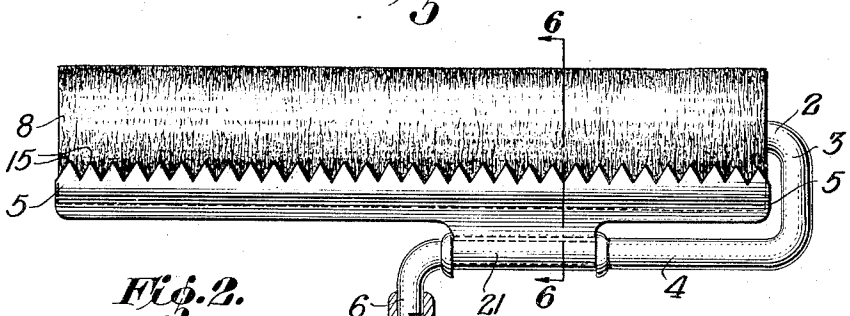
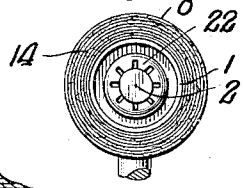


Fig. 2.



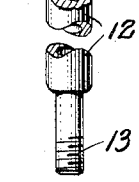
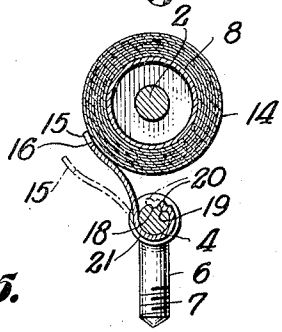


Fig. 6.



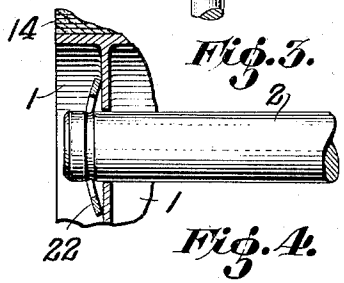


Fig. 3.

Fig. 4.

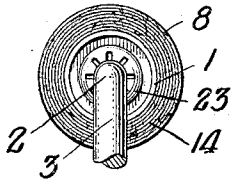


Fig. 5.

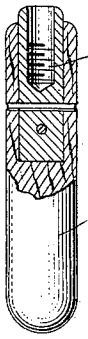
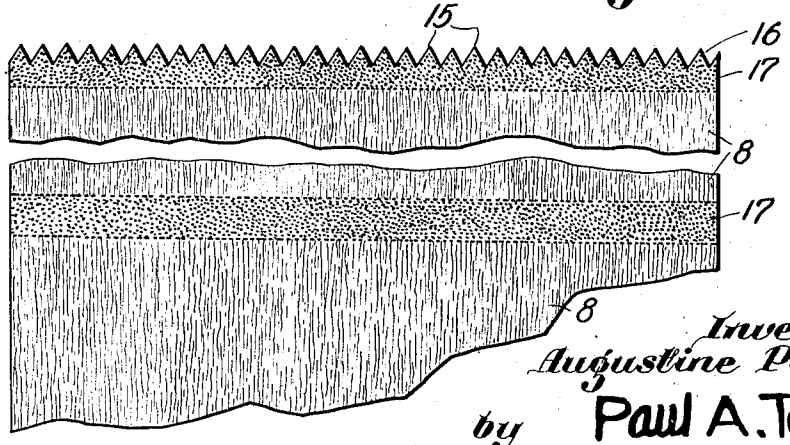


Fig. 7.



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STIPPLER

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Application July 17, 1945, Serial No. 605,567

5 Claims. (Cl. 41—5.5)

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My invention relates to a roller stippler and particularly to a roller stippler having a roll of paper or the like, the outer layer of which may be removed and discarded. Among the purposes and objects are to provide:

An object is to provide a stippler which may be used for long periods of time without cleaning.

An object is to provide a time saving roller stippler.

An object is to provide a roller stippler which may be quickly changed to cause a variety of stippler effects.

An object is to provide a roller stippler having a renewable paper roll.

An object is to provide a roller stippler having a quickly adjusted paper cutter for removing the used outer layer of paper.

An object is to provide a roll of paper for a roller stippler having adhesive strips across the paper at the point of severance to secure the edge of the paper to the rest of the roll.

An object is to provide a roll of paper for stipplers having a crape or other surface pattern.

An object is to provide a roll of paper for stipplers having a crape or other surface pattern and non absorbent coating.

An object is to provide a roll of paper for stipplers having a crape or other surface pattern and a serrated end edge across the roll to conceal the line of severance.

An object is to provide a roll of paper for stipplers having a crape or other surface pattern and a hollow center to snugly fit the core.

An object is to provide a stippler having a rotatable core on which rolls of paper may be attached.

An object is to provide a stippler having a rotatable core on which rolls of paper may be attached and a handle extension detachable to provide long and short handles.

I accomplish these and other objects by the construction set forth in this, my disclosure, and illustrated in the accompanying drawings forming a part hereof.

In the drawings:

Fig. 1 is a plan view.

Fig. 2 is an end elevation of the roll.

Fig. 3 is an enlarged detail of the end of the roll.

Fig. 4 is an elevation of the end of the roll opposite that shown in Fig. 2.

Fig. 5 is a plan and partial section of the handle.

Fig. 6 is a transverse section at 6—6, Fig. 1.

Fig. 7 is a detail of the inner surface of the

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paper showing the serrated end and adhesive for securing the end to the rest of the roll.

Similar reference characters refer to similar parts throughout the several views of the drawing and in the specifications.

General description

Roller stipplers have long been used by painters for producing a pattern or roughness to a freshly painted surface; their use as a time saver and convenience, however, is partly lost because of the necessity of cleaning the roller requiring considerable time.

The painter has had to have a roller for each color or shade, to clean the roller or its cover and to wait for the roller to be dry again before it can again be used.

By my improvement, no cleaning or drying is necessary. As soon as the surface has been stippled, the outer layer of paper may be torn from the rest of the roll and discarded.

Rolls of paper having a large variety of surfaces may be provided, which thus permit the surfaces of different rooms to have a different surface roughness or stipple pattern.

The size of the rolls may vary to suit the surface and the handle may be quickly extended in length as desired.

In the specifications to follow, I have described in detail my preferred construction. The preciseness of this disclosure is not intended to limit the scope of my patent but rather to make the construction more easily understood by one skilled in the art to which this invention pertains. The construction may be modified in numerous ways without departing from the principles which underly my invention.

Specifications

Referring to the drawings, I have shown a roller 1 rotatably mounted on the spindle 2 which is formed at one end 3 to provide a parallel handle connection 4 on which is swingingly mounted the cutter 5 near the handle stud 6 which is threaded 7 to engage the threaded end 9 of the handle 10 or threaded end 11 of the extension 12 which is also threaded at 13 at its opposite end to engage the threaded end 9 of the handle.

Surrounding the roller 1 and snugly, yet detachably, receiving the roller, I have provided a roll of paper or the like 14 wound in layers to provide a covering which may be rolled on fresh paint and a plurality of detachable sheets 8 may be discarded after use, so that a fresh surface is always available until the roll 14 has been used

up. A new roll may then be placed on the roller 1 and so replaced indefinitely; the dirty outer layer being discarded as often as desired so that the roller or the roll of sheets 8 covering it need not be cleaned in the normal operation of my device.

To facilitate removal of the outer layer, I have provided the cutter 5 with serrations or teeth 15 which assist in tearing off the sheet to be discarded and also to leave an uneven surface on the end of the roll of sheets so as to prevent a line impression on the fresh paint being stippled; the serrations may be irregular to cause an indefinite pattern difficult to detect in the stippled effect.

At substantially one complete revolution and disposed at the line of severance 16 of the sheet to be discarded, I have provided a gummed strip 17 axially along the under surface of the sheets so that the edge of the outer layer of the sheets on the roll of sheets may be secured to the sheet below.

The adhesive may be ready to press against the outer sheet of the roll such as used on Scotch tape, or may be water soluble so that when moistened the edge will adhere.

The parallel handle connection 4 may be grooved at 18 and 19 to receive the resilient inwardly formed end 20 of the bearing 21 of the paper cutter 5 which is constructed by shaping the springy material of the cutter into tubular form around the handle connection to serve as a detent; one groove holding the cutter's edge against the roll of sheets and the other groove to hold the cutter's edge away from the roll of sheets as shown in broken line in Fig. 6 of the drawings.

The roller 1 is preferably held from axial movement by the snap washers 22 and 23; the roller may be removed from the spindle by removing the snap washer 22.

In this, my disclosure, I have described and shown a preferred embodiment of my invention which may be modified in numerous ways without departing from the principles which underly my invention. What I claim as new and desire to secure by Letters Patent is set forth in the claims to follow.

I claim:

1. In a stippler having a handle, a spindle secured to said handle, a handle connection substantially parallel to said spindle and a roller rotatable on said spindle, a cutter swingingly mounted on said handle connection and a roll of paper removably secured to said roller, said roll of paper having a plurality of adhesive strips spaced apart substantially equal to circumference of said roll of paper to secure the end of the paper to said roll of paper after the outer layer of paper has been severed by said cutter from said roll of paper, whereby the outer layer of paper may be cut off after stippling and the remaining outer layers held secure to said roll of paper for rotating on said spindle until all of said outer layers and said roll of paper have been used up for stippling whereby an unused outer layer of paper is exposed after the used outer layer has been removed.

2. In a stippler having a handle, a spindle secured to said handle, a handle connection substantially parallel to said spindle and a roller rotatable on said spindle, a cutter swingingly mounted on said handle connection and a roll of paper removably secured to said roller, said roll of paper having a plurality of adhesive strips spaced apart substantially equal to circumference of said roll of paper to secure the end of the paper to said roll of paper after the outer layer of paper has been severed by said cutter from said roll of paper, whereby the outer layer of paper may be cut off after stippling and the remaining outer layers held secure to said roll of paper for rotating on said spindle until all of said outer layers and said roll of paper have been used up for stippling whereby an unused outer layer of paper is exposed after the used outer layer has been removed, said handle connection having a pair of grooves spaced apart, means secured to or formed integral with said cutter to hold the cutting edge of said cutter against said roll of paper when said means is in engagement with one of said grooves and to hold said edge in raised position to permit said roll of paper to freely rotate on said spindle when said means is in engagement with the other of said grooves.

3. In a stippler having a handle, a spindle secured thereto, a roller rotatable on said spindle, a roll of sheets detachably secured to rotate with said roller on said spindle and a cutter for severing the outer sheet after being used for stippling and a plurality of adhesive strips, each of said strips spaced apart from the other strips substantially equal to the circumference of said roll of sheets whereby the end of the unused sheet is held after severing the used sheet from the roll to permit the roll of unused sheets to freely rotate on said spindle for stippling.

4. In a stippler having a handle for moving said stippler to roll on the surface being stippled, a spindle, a roll of sheets and means for detachably mounting said roll of sheets to rotate on said spindle, a handle connection disposed substantially parallel to said spindle and a cutter mounted to swing on said handle connection for cutting off the outer sheet from said roll of sheets and when raised to permit said roll of sheets to be rotated on said spindle.

5. In a stippler having a handle for moving said stippler to roll on the surface being stippled, a spindle, a roll of sheets and means for detachably mounting said roll of sheets to rotate on said spindle, a handle connection disposed substantially parallel to said spindle and a cutter mounted to swing on said handle connection for cutting off the outer sheet from said roll of sheets and when raised to permit said roll of sheets to be rotated on said spindle and means in said handle connection for holding said cutter in a raised or lowered position.

AUGUSTINE POWER.

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