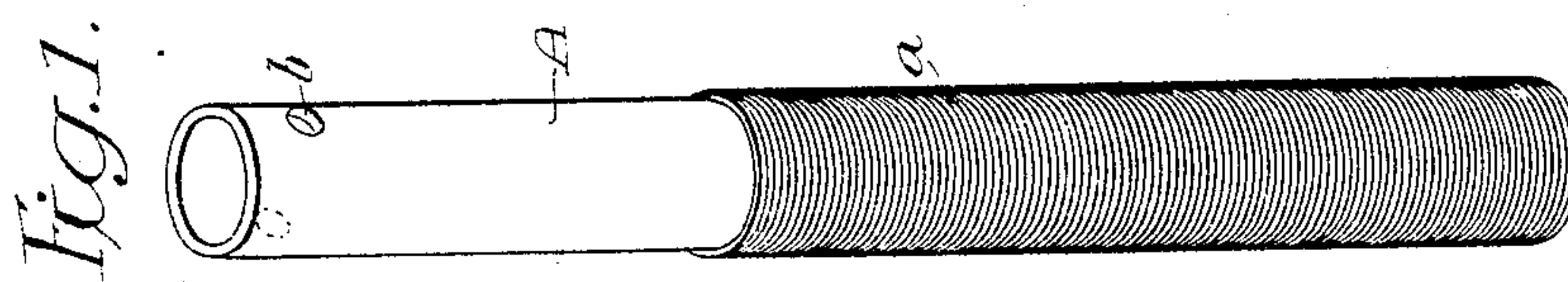
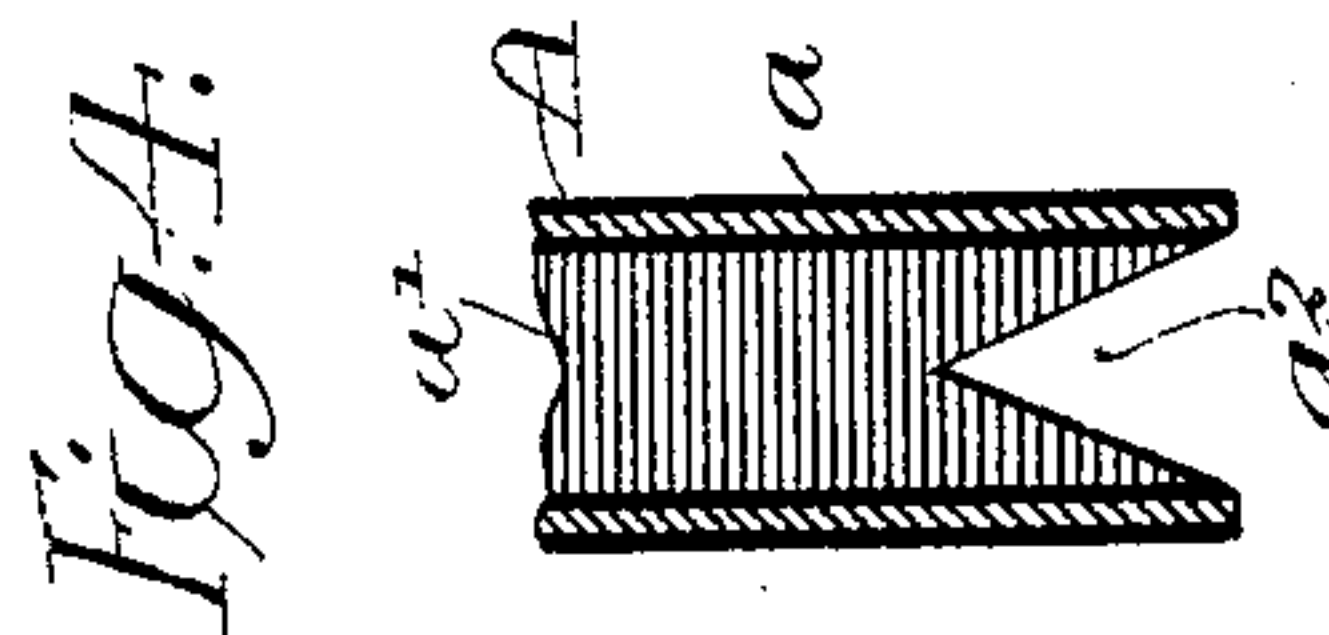
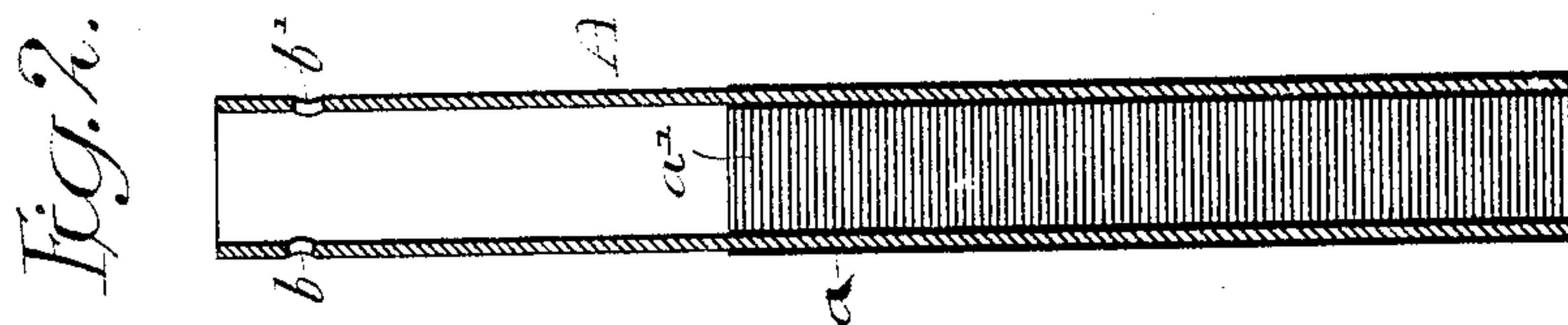
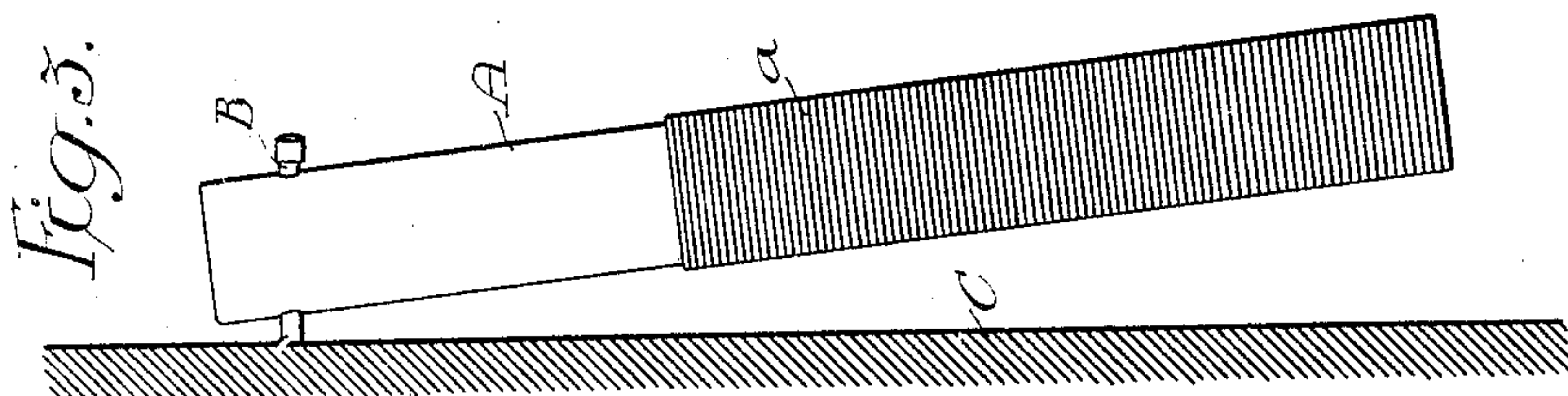


No. 804,798.

PATENTED NOV. 14, 1905.

P. DIAMOND.  
LAUNDRY BLUE DISTRIBUTER.  
APPLICATION FILED AUG. 26, 1904.



Witnesses:  
Augustus B. Cropper  
Tetuo H. Irons.

Inventor:  
Patrick Diamond,  
by his Attorneys,  
Howson & Howson



# UNITED STATES PATENT OFFICE.

PATRICK DIAMOND, OF PHILADELPHIA, PENNSYLVANIA.

## LAUNDRY-BLUE DISTRIBUTER.

No. 804,798.

Specification of Letters Patent.

Patented Nov. 14, 1905.

Application filed August 26, 1904. Serial No. 222,354.

*To all whom it may concern:*

Be it known that I, PATRICK DIAMOND, a citizen of the United States, residing in Philadelphia, Pennsylvania, have invented certain Improvements in Laundry-Blue Distributers, of which the following is a specification.

One object of my invention is to provide a device for receiving and distributing laundry-blue which for a given size over all shall have a greater surface for the reception of blue or other coloring material and which shall consequently have a greater superficial area exposed to the action of the water or other liquid which it is desired to color with said material, one result of this construction being that a given volume of water will be colored when my device is used for distributing laundry-blue, for example, in a much less time than has hitherto been practicable.

A further object of the invention is to provide a device of the general character noted which, while being convenient to use, shall be relatively light in weight and at the same time inexpensive to manufacture. I also desire to provide a bluing-tube with a device by which it shall be possible to prevent its coming in contact with a wall or other vertical surface against which it is hung.

These objects I attain as hereinafter set forth, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of my improved color-distributing device. Fig. 2 is a vertical sectional elevation of the device shown in Fig. 1, illustrating in detail the construction of the same. Fig. 3 is a sectional elevation showing the device as suspended from a nail projecting from a vertical structure and illustrating its position when made according to my invention, and Fig. 4 is a sectional elevation of a modification of my invention.

While in the following description I have described my invention as employed for the reception and distribution of bluing material, it will be understood that it may be used with equal advantage for other solid coloring material soluble in liquids.

In the above drawings, A is the body of my improved blue stick or distributing device, preferably made as a tube of paper, cardboard, or similar light and inexpensive material. Such tube is prepared for use by immersing it for a portion of its length in a strong solution of bluing material, so that it not only receives a heavy coating of the same upon its outer surface, as indicated at  $a$ , but

also has deposited on its inside surface a similar layer of blue, as shown at  $a'$ . At the upper end of the tube I form two holes  $b$  and  $b'$ , and it will be noted that these are not directly opposite each other, but are so placed that one is nearer the end of the tube than is the other. Such placing of the holes is for the purpose of causing the tube to hang away from a vertical surface against which or adjacent to which it is suspended in order that it may dry after being originally dipped in the blue solution without coming into engagement with said surface.

It will be seen that even if the nail B from which the tube is hung be perpendicular to the surface of the wall C the holes  $b$  and  $b'$  will cause the tube to hang away from said wall so that it cannot possibly touch the same.

In coloring a body of water by the use of my improved blue-distributer it will be seen that, owing to the relatively extensive surface exposed to contact with the said water, this latter will be brought to the proper shade in a much less time than would be possible if, for example, the blue-holding device consisted of a solid stick.

The upper part of the tube, upon which there is no blue, serves as a handle and also as a surface upon which directions for use may be placed, it being also noted that after use the two holes out of line with each other serve to keep the stick away from the surface against which it is hung in the same manner as when it was first coated with the blue solution, thereby avoiding the disfiguring of said surface with the blue.

When used for the reception of black material to be employed for making ink, the tube may have a notch  $a''$ , preferably of V shape, in its side, as shown in Fig. 4, so as to permit a circulation of liquid inside as well as outside the tube, even though its lower end rest upon a flat surface.

I claim as my invention—

1. As a new article of manufacture, a tube having its inside and outside surfaces coated with a layer of coloring material removable therefrom when subjected to the action of a liquid, substantially as described.

2. An elongated distributer for coloring material, having a coating of a material removable therefrom when subjected to the action of a liquid, and being provided with an opening whose line is at an angle other than ninety degrees to the line of said distributer, substantially as described.

3. A tube having upon it a coating of coloring material and being provided with two holes adjacent to one of its ends, one of said holes being nearer said end than the other,  
5 substantially as described.

4. A tube having coatings of coloring material upon both its inside and its outside surfaces, said material being removable from the tube when subjected to the action of a liquid,

one end of said tube having a recess in the side thereof, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

PATRICK DIAMOND.

Witnesses:

WILLIAM F. BEATON,  
WILLIAM E. BRADLEY.