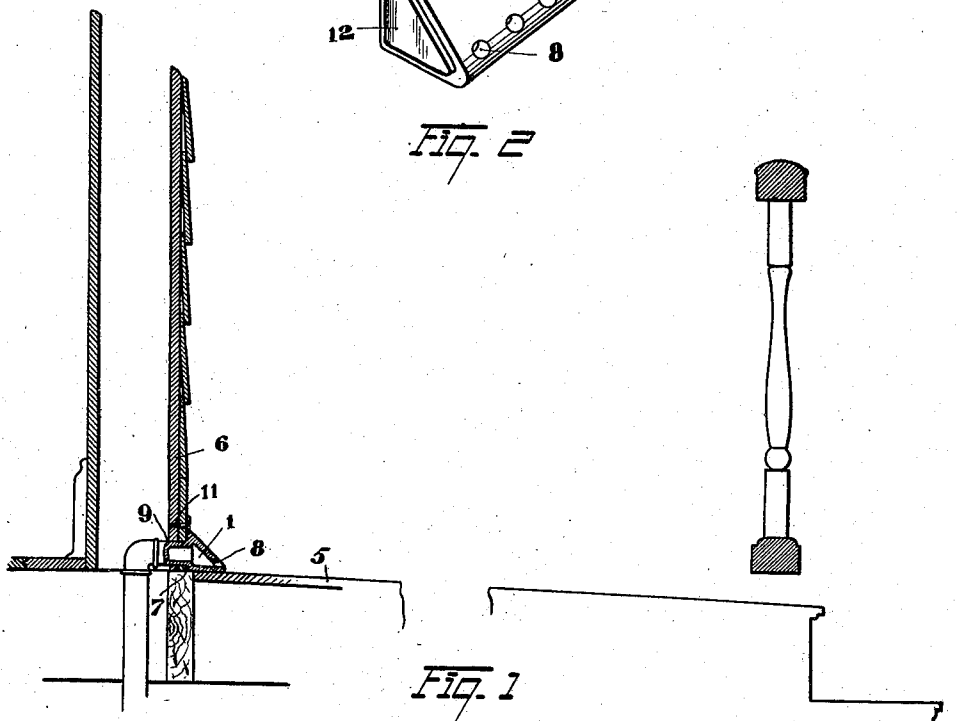
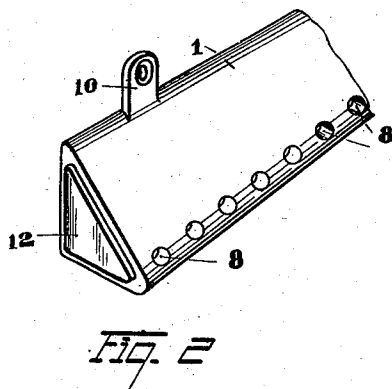
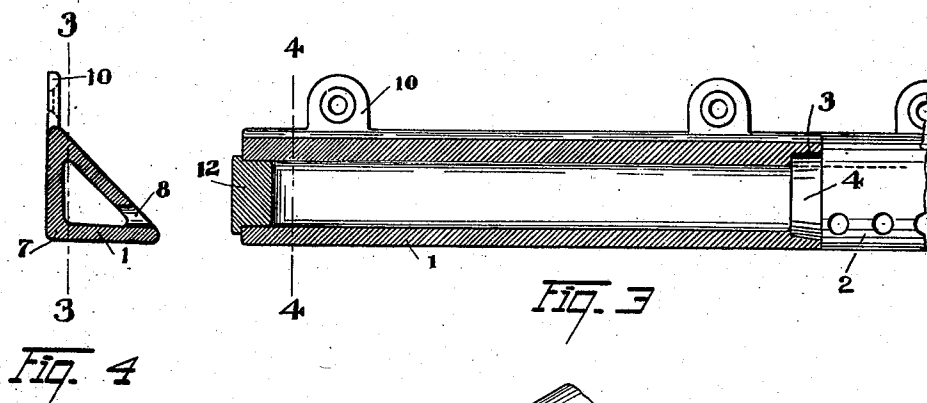


No. 873,451.

PATENTED DEC. 10, 1907.

M. MUELLER.
PORCH CLEANER.

APPLICATION FILED JAN. 4, 1907.



WITNESSES:

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UNITED STATES PATENT OFFICE.

MARTIN MUELLER, OF ELYRIA, OHIO.

PORCH-CLEANER.

No. 873,451.

Specification of Letters Patent.

Patented Dec. 10, 1907.

Application filed January 4, 1907. Serial No. 350,770.

To all whom it may concern:

Be it known that MARTIN MUELLER, residing at Elyria, in the county of Lorain and State of Ohio, has invented a certain new and useful Improvement in Porch-Cleaners, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings.

This invention relates to devices for cleaning porches, and it has for its object the provision of a water conduit which is adapted to be inserted in the angle between floor and the wall of the building at the rear of the porch, said conduit having perforations opening in the direction of the porch and having connections for the supply of water whereby the porch may be flushed with the water and thus cleaned.

In the drawing forming a part of this application, Figure 1 is a transverse sectional view through a porch and through the vertical wall at the rear thereof, the porch cleaner being shown in transverse section. Fig. 2 is a perspective view of one of the end sections of the tube or conduit forming the porch cleaner, said figure showing the plug for closing the end of said section. Fig. 3 is a longitudinal view taken through the end section of the porch cleaner on the line 3—3 of Fig. 4, and showing in elevation the adjacent section, and Fig. 4 is a transverse section through the cleaner taken on the line 4—4 of Fig. 3.

Taking up a detailed description of the invention, reference being had to the accompanying drawing, 1 represents an end section of the porch cleaner, and 2 represents the next section of the cleaner, said sections being joined together by forming in the end of one of said sections a socket 3 into which extends a projection 4 of the adjacent section. As shown, the socket 3 is formed in the end of the end section 1 and the extension 4 is on the end of the adjacent section. As will be readily understood, this arrangement may be reversed, if desired. A sufficient number of said sections will be employed to extend throughout the length of the porch, or the cleaner may be made shorter, if desired. The projection 4 is made to fit the socket 3 closely so as to form a tight joint; and, to facilitate the assembling of the sections, the projection is preferably tapered, as shown.

5 represents the floor of the porch, and 6 the vertical wall of the building at the rear of said porch. The angle between said floor

and wall is substantially a right angle, and, in order that the porch cleaner may occupy as small a space as practicable, and may prevent the accumulation of dirt in said angle, I form the same with a right angle 7, which fits into the angle of the porch and wall. The two sides of the cleaner therefore fit closely against the porch and against the wall so that the cleaner has the appearance, and is in effect, a triangularly shaped molding. As thus constructed, the cleaner forms no obstruction; it prevents the accumulation of dirt in the angle at the rear of the porch; and it has the pleasing appearance of a regular molding. The front face of the cleaner may be straight, as shown, or it may be curved or formed into any other desired contour to give a pleasing effect.

The molding or cleaner is hollow, and at its front edge it is provided with a series of perforations 8 opening in the direction of the porch. At the rear, one of the sections of the cleaner is provided with a pipe connection 9, through which water may be supplied to the cleaner. This connection may be made with any one of the sections desired, depending upon the location of the water pipe in the building.

For securing the molding or cleaner securely in position, I provide, at the upper angle of the sections, fastening ears or lugs 10, through which screws 11 may pass into the wall of the building. Having assembled the different sections together by forcing the extensions 4 into their respective sockets 3, the cleaner may then be secured in position by the screws 11. The end sections of the cleaner are closed at their outer ends, which closure may be made by plugs 12 of any suitable material, driven, or otherwise secured, into the ends of said section.

From this description, it will be understood that when the porch is to be cleaned, water is simply turned into the pipe connection 9, the result being that the cleaner is filled with water which pours out of the series of openings 8 and thus flushes the porch floor.

While I do not wish to be limited to any particular material for forming the cleaner, I prefer to use galvanized sheet metal.

Having thus described my invention, I claim:

1. In a porch cleaning device, the combination with a supply pipe, of a hollow molding adapted to substantially fit the angle between the porch floor and the adjacent wall

and having discharge openings near its lower edge and having ears rising from its upper edge whereby it may be secured in place.

2. In a building having a porch, the combination with the floor of the porch and the vertical wall of the building, of a hollow conduit in the form of a molding adapted to substantially fit the angle between the floor and the wall, said conduit having a cross section which is substantially a right triangle and there being openings from the interior

through the long side of the triangle adjacent to the base, ears rising from the apex of the triangle, and a feed pipe located in the wall of the building and extending through such wall to the back side of the molding. 15

In testimony whereof, I hereunto affix my signature in the presence of two witnesses.

MARTIN MUELLER.

Witnesses:

Mrs. MARTIN MUELLER,
GUST. KOLINSKI.