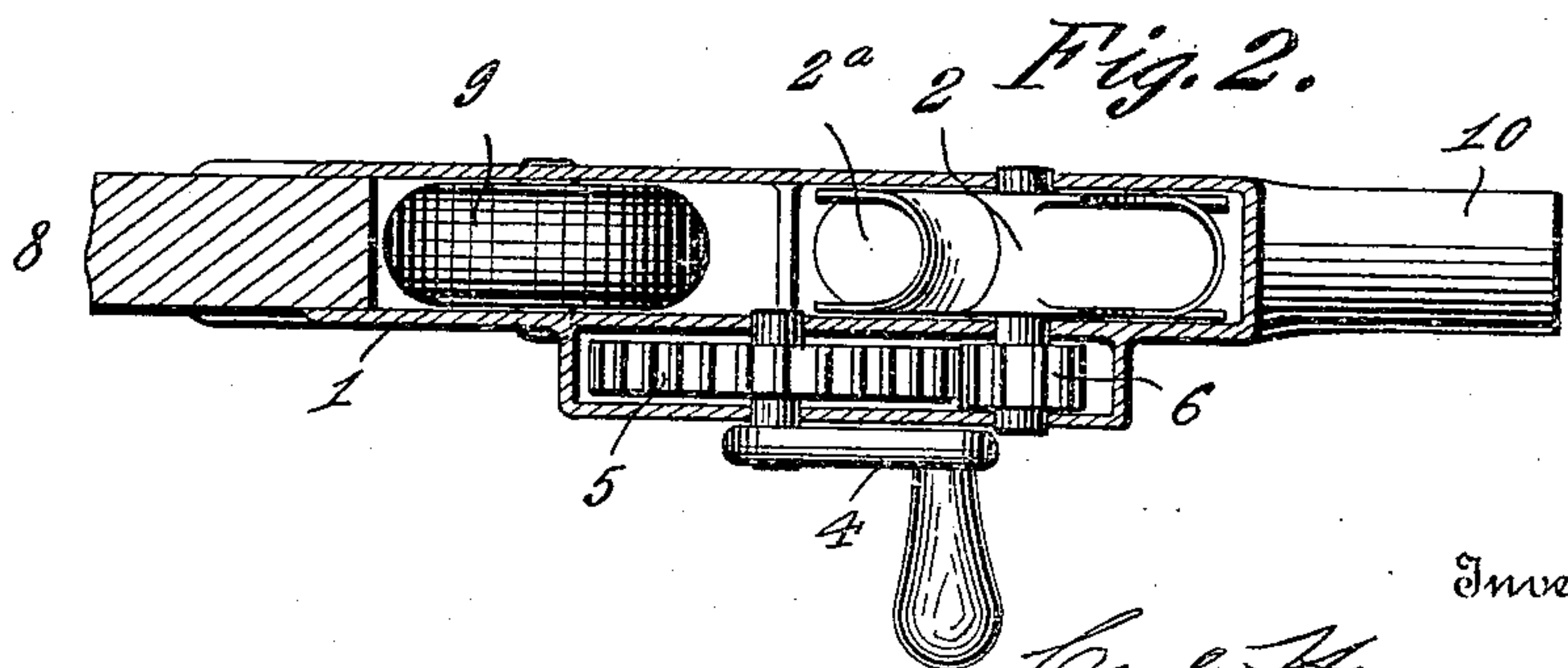
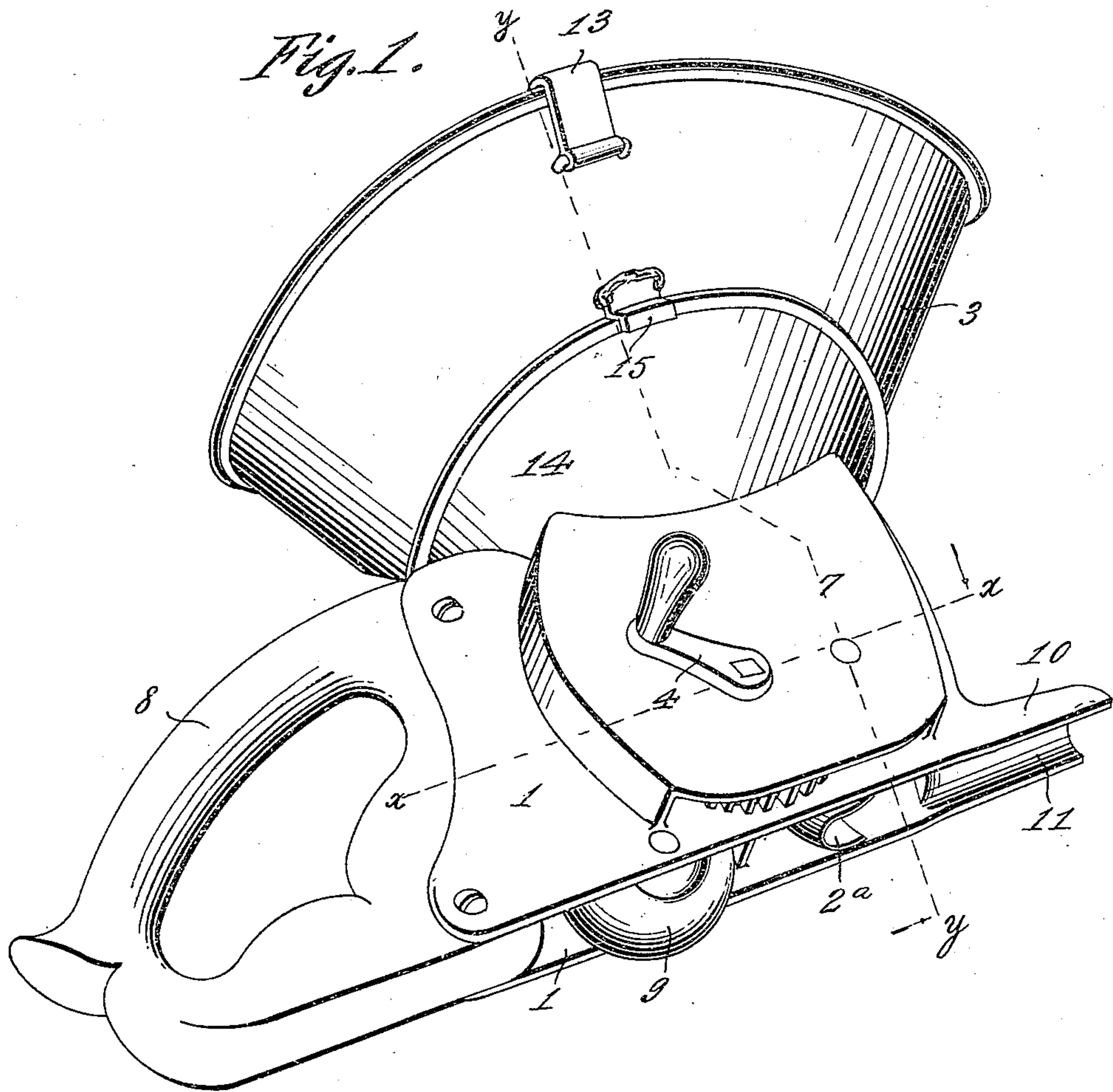


C. HANSSON.  
MACHINE FOR POINTING BUILDING WALLS.  
APPLICATION FILED JULY 14, 1909.

951,242.

Patented Mar. 8, 1910.

2 SHEETS—SHEET 1.



Witnesses

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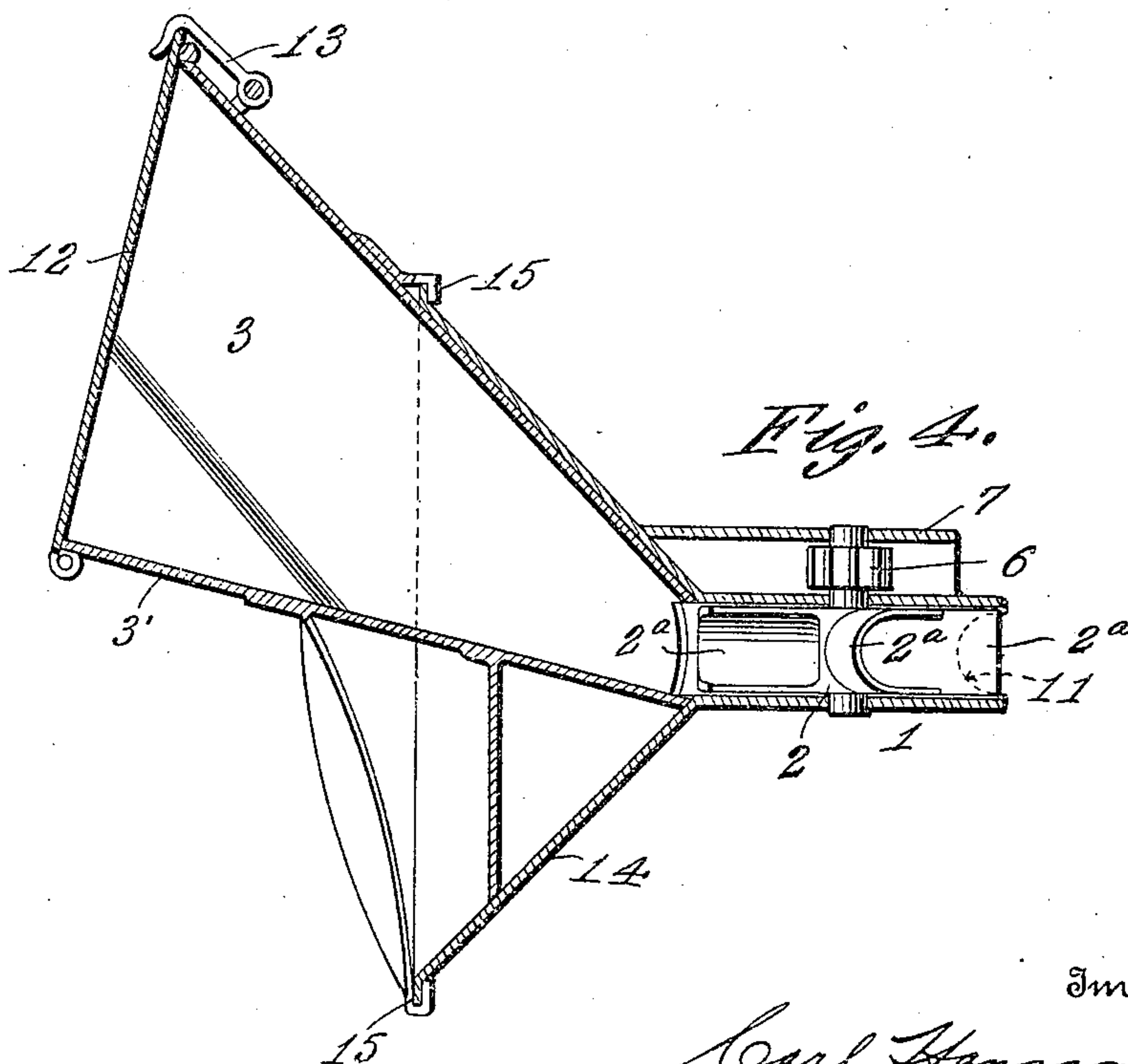
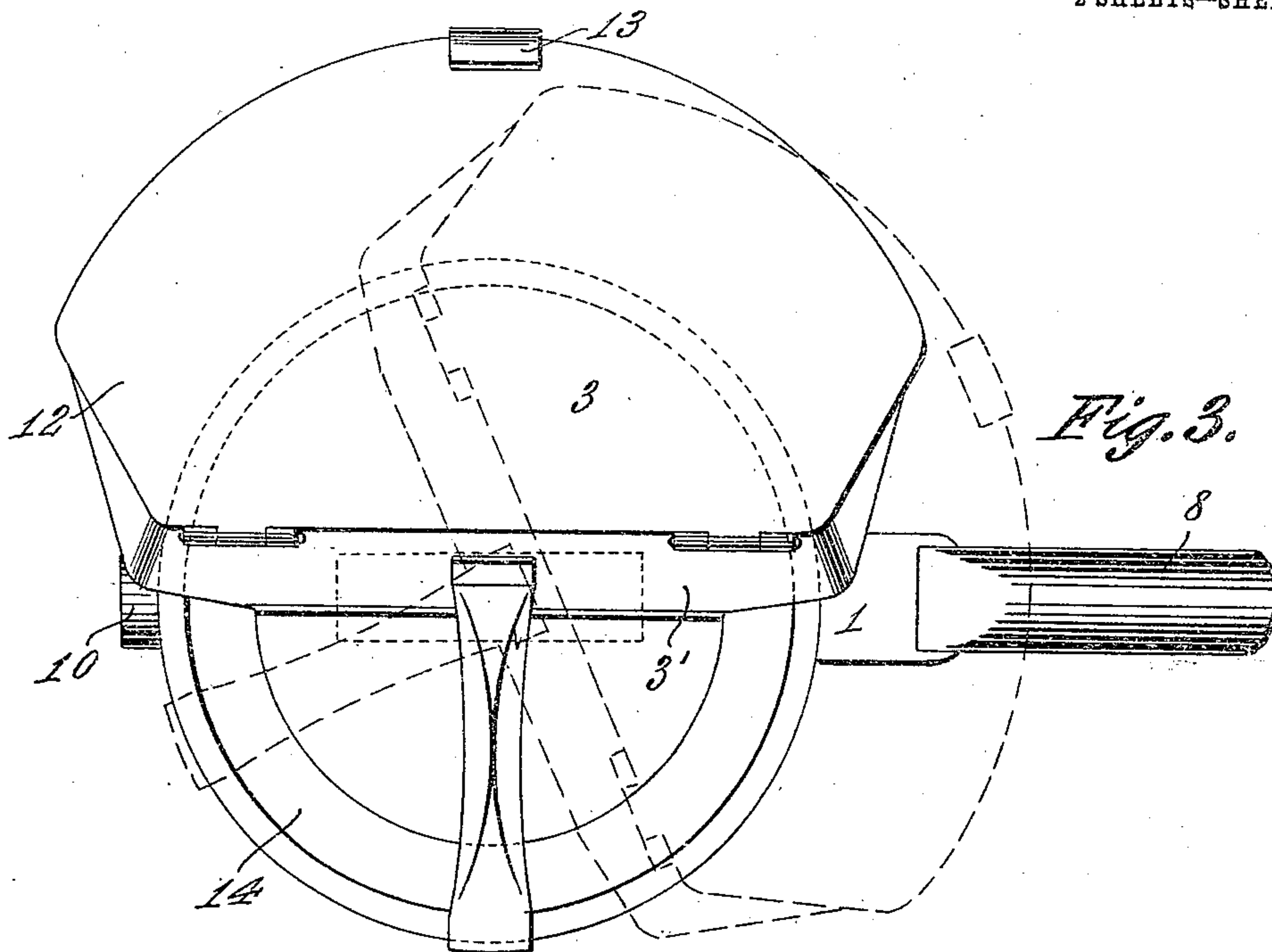
# MACHINE FOR POINTING BUILDING WALLS.

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2 SHEETS—SHEET 2.



Witnesses

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# UNITED STATES PATENT OFFICE.

CARL HANSSON, OF BELT, MONTANA.

MACHINE FOR POINTING BUILDING-WALLS.

951,242.

Specification of Letters Patent.

Patented Mar. 8, 1910.

Application filed July 14, 1909. Serial No. 507,569.

*To all whom it may concern:*

Be it known that I, CARL HANSSON, a subject of the King of Sweden, having declared my intention to become a citizen of the United States, residing at Belt, in the county of Cascade and State of Montana, have invented certain new and useful Improvements in Machines for Pointing Building-Walls, of which the following is a specification.

This invention comprises an improved machine for finishing or pointing building walls.

At the present time building walls are pointed by use of a tool which permits the cement to drop and spot the face of the wall, unless the tool is very carefully handled. The present invention affords a means for mechanically applying the cement to the joints of the structure, whereby the operation of finishing or pointing is facilitated and undesirable spotting of the wall is prevented.

The invention involves certain advantageous features of construction and operation, and for a full understanding of the same, reference is to be had to the following description and to the accompanying drawings, in which—

Figure 1 is a plan view of a machine embodying the invention; Fig. 2 is a longitudinal section on the line  $x-x$  of Fig. 1, a portion of the handle being broken away; Fig. 3 is a top plan view dotted lines showing the range of movement of the hopper, and Fig. 4 is a transverse section on the line  $y-y$  of Fig. 1.

Throughout the following detail description and on the several figures of the drawing similar parts are referred to by like reference characters.

Specifically describing the invention and referring particularly to the drawings the present machine consists primarily of a body composed of spaced sides 1, between which sides is arranged a cement discharge wheel 2. The wheel 2 is journaled in the sides 1 of the machine and is provided with a plurality of buckets or fins which are adapted to receive cement fed from a hopper 3 adjacent thereto and to discharge said cement into the space between adjacent blocks or elements of a building wall in effecting the pointing operation. The buckets or blades 2<sup>a</sup> of the wheel 2 do not project from the rear edges of the said sides of the

machine. The wheel 2 is turned by means of a crank handle 4 secured to the projecting journal of a gear 5 which meshes with a smaller gear 6 mounted on a journal of the wheel 2. The gears 5 and 6 are housed by a casing 7 formed on one of the sides 1.

At one end of the body of the machine is located a handle 8 adapted to be grasped by the operator in order to pull the machine along the wall in the pointing operation, and a guide roller 9 being journaled adjacent to the wheel 2 to facilitate proper movement of the machine in a straight line as it is being advanced in the operation thereof. The roller 9 projects outwardly from the space between the sides 1 and in line with said roller and the wheel 2 is provided an extension 10 formed with a finishing groove 11. The discharge wheel 2, the roller 9, and the extension 10 are all arranged in substantially the same plane. The extension 10 is located at the end of the machine opposite that from which the handle 8 projects, and said extension is curved in cross section to provide the groove 11. The groove 11 causes a rounded finish to the cement discharged into the space between adjacent blocks of the wall, thereby completing the operation of pointing without the necessity of employing a special tool for the work.

A special feature of the invention resides in the provision of a rotatable hopper which contains the cement supply. The hopper shown at 3 in the drawings has an inclined bottom 3' and it is desirable that said hopper be rotatable in order to permit the inclined bottom to be adjusted in a lowermost position whether the body of the machine is held in a horizontal or vertical position according to how the same should be used in the pointing of the wall. When the machine is horizontally arranged the bottom of the hopper will be disposed substantially in alinement therewith whereas if the machine is to be moved in a vertical direction the hopper 3 is turned so that its bottom is transverse to the sides of the machine. A suitable cover 12 is provided for the hopper and held closed by a catch or hook 13. The hopper 3 is connected with the body of the machine by means of a round concave base plate 14 having an opening at its central portion leading to the wheel 2, the wall portion of the hopper being received in the space surrounded by the concave plate and



rotatable therein. Hooks 15 connected with the hopper engage over a flange formed at the periphery of the plate 14 and holding the hopper in communication therewith.

5 Having thus described the invention what I claim as new is:

1. A machine for pointing building walls comprising a body, a cement hopper rotatably mounted thereon, and a cement discharging device carried by the body for discharging cement from the hopper as described.

10 2. A machine for pointing building walls comprising a body, a hopper at one side of the body and rotatable with respect thereto, said hopper having an inclined bottom, and a cement discharge device mounted in the body and connected with the hopper.

15 3. A machine for pointing building walls comprising a body, a handle for drawing said body along a building wall, a guide roller journaled in the body and projecting therefrom, a concave extension arranged in alinement with said guide roller for finish-

ing cement applied to the wall by the machine, and a cement discharging wheel journaled in the body in substantially the plane of the guide roller and finishing extension. 25

4. A machine for pointing building walls comprising a body consisting of spaced sides, a handle for advancing said body along a building wall, a hopper rotatably mounted at one side of the machine and having an inclined bottom, a concave base plate receiving the lower portion of the hopper and secured rigidly to the body of the machine, 35 the hopper and base plate having an opening for the passage of cement therefrom, and a cement discharge device connected with the hopper to receive cement therefrom, and to discharge such cement against a wall. 40

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

CARL HANSSON.

Witnesses:

ANDREW P. McANELLY,  
GIOVANNI PIZZINI.