

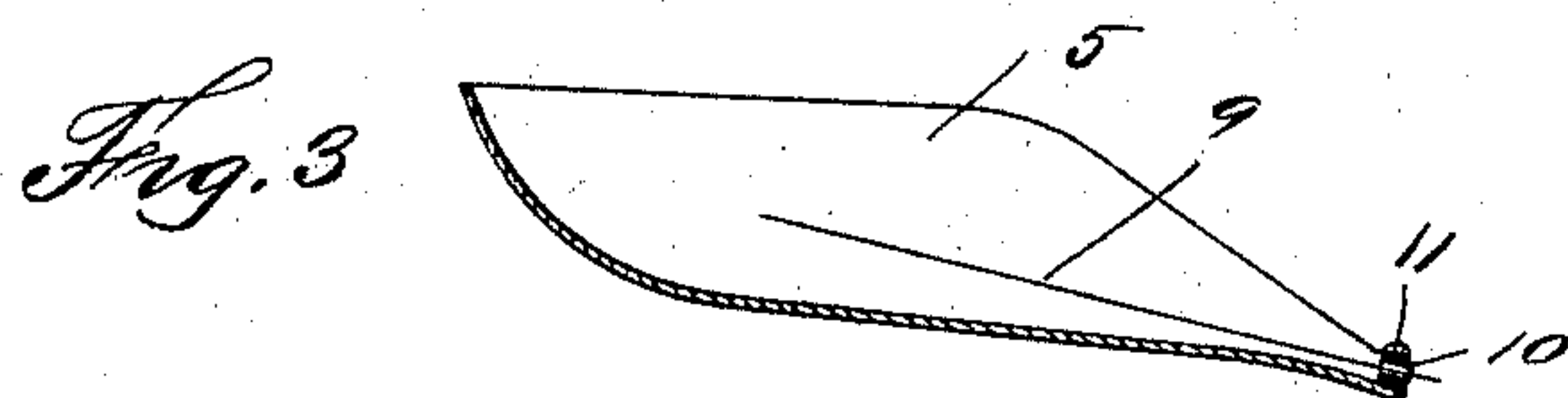
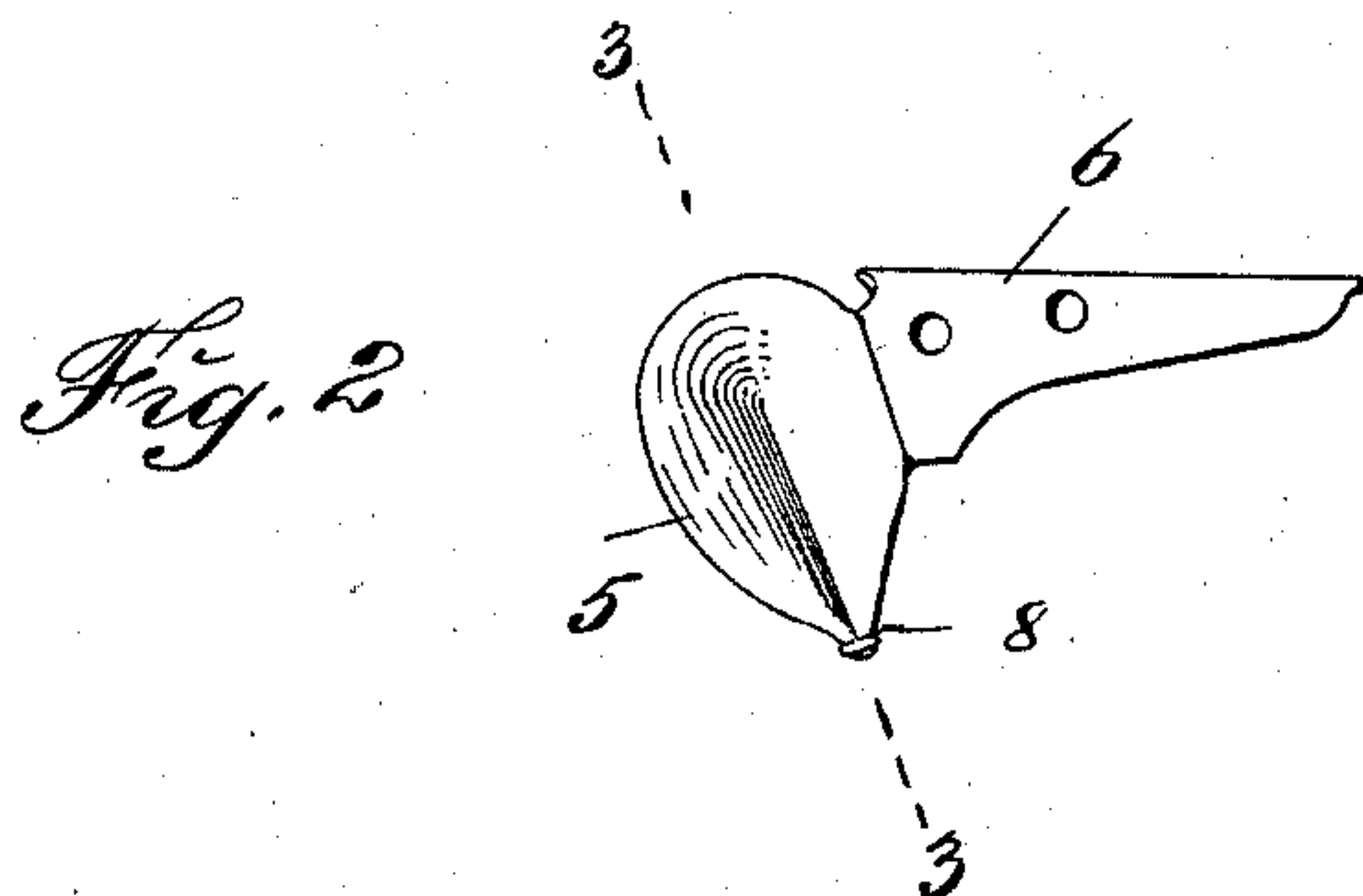
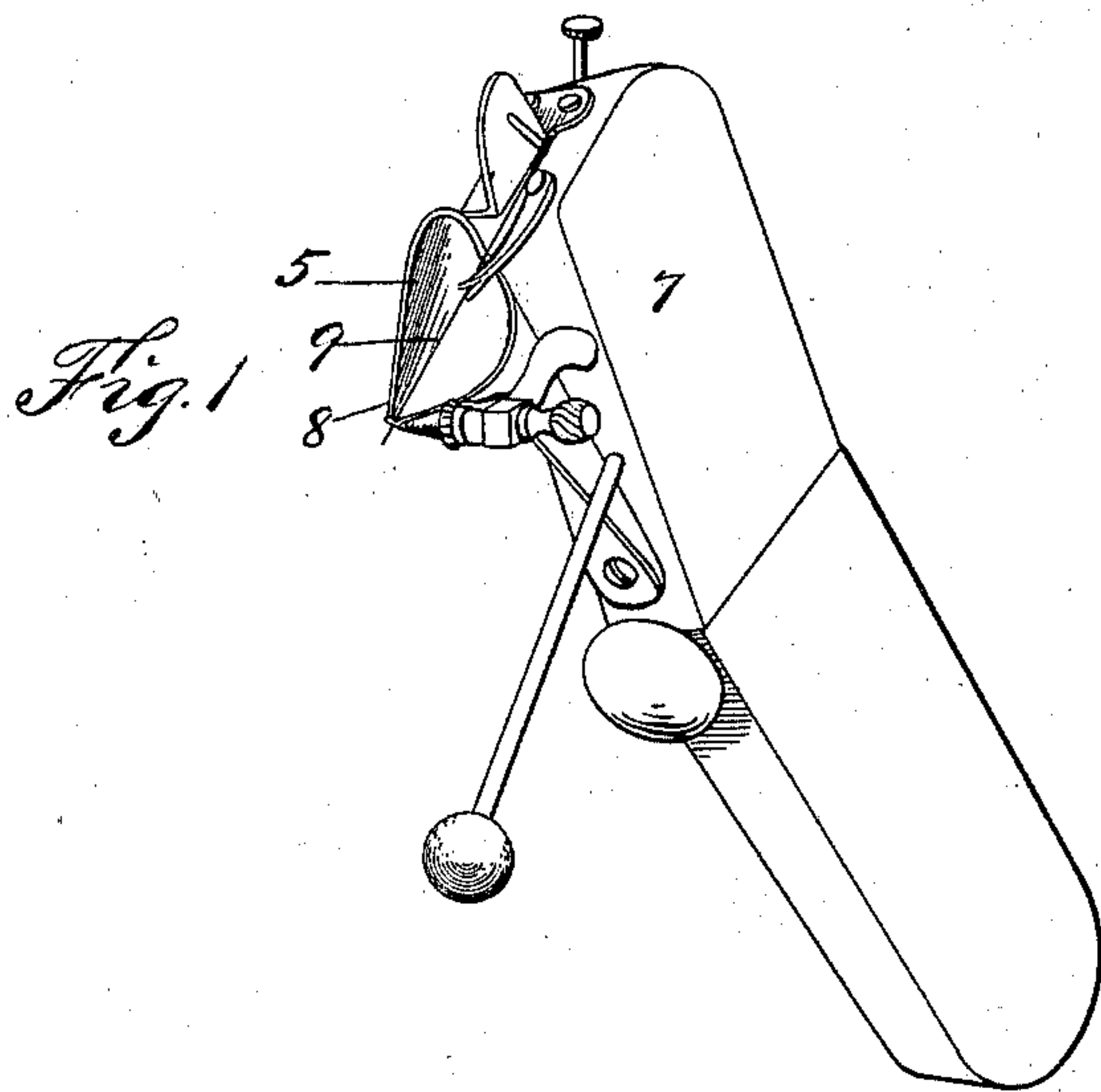
No. 609,047.

Patented Aug. 16, 1898.

W. QUINN.
PAINT DISTRIBUTER.

(Application filed Oct. 7, 1897.)

(No Model.)



WITNESSES:

C. Ford
C. Gust

INVENTOR

William Quinn

BY

Edgar J. [Signature]

ATTORNEYS.

UNITED STATES PATENT OFFICE.

WILLIAM QUINN, OF FALL RIVER, MASSACHUSETTS.

PAINT-DISTRIBUTER.

SPECIFICATION forming part of Letters Patent No. 609,047, dated August 16, 1898.

Application filed October 7, 1897. Serial No. 654,332. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM QUINN, a citizen of the United States, residing at Fall River, in the county of Bristol and State of Massachusetts, have invented certain new and useful Improvements in Paint-Distributors, of which the following is a full and complete specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to paint-distributors for use by artists, and particularly to that form of devices of this class described and claimed in United States Patents No. 256,852, dated April 25, 1882, No. 235,325, dated September 18, 1883, No. 298,138, dated May 6, 1884, and No. 310,754, dated January 13, 1885.

The instrument covered by the above-named patents is designed to project upon any surface any liquid pigment in the form of a fine spray, which can be controlled at the pleasure of the operator to any desired extent, and said instrument is operated by compressed air, the air being compressed by a foot-pump or any suitable motor, and said instrument is principally used for portrait-work, but may be used wherever devices of this class are applicable. The general form and construction of said device may be found in the patents referred to; and my invention consists of an improvement thereof, which is fully disclosed in the following specification, of which the accompanying drawings form a part, in which—

Figure 1 is a perspective view of a paint-distributing device constructed as described in said patents and provided with my improvement; Fig. 2, a front view of a spoon-shaped pigment-receptacle which forms a part of said instrument, and Fig. 3 a longitudinal section thereof on the line 3 3 of Fig. 2.

The spoon-shaped receptacle 5 is provided on one side thereof with a shank 6, by which it is secured to the casing 7 at one end thereof, and said spoon-shaped receptacle is pointed at 8 and is grooved centrally and longitudinally, and mounted in said spoon-shaped receptacle longitudinally of the center thereof and touching the spoon at the point 8 is a reciprocating needle 9. The liquid pigment is placed in the spoon-shaped receptacle 5, and the instrument is provided with devices

for ejecting the jet of air against the needle and for atomizing the liquid pigment, and said device is also provided with means for reciprocating the needle, and in the operation of the device the needle is moved forward until the point is beyond the point of the spoon-shaped receptacle, and the air-blast blows the pigment or coloring material that the needle is covered with off of the point thereof in the form of a fine spray, and the needle is reciprocated with great rapidity, and the result of this operation is a continuous spray, and this spray may be increased or decreased, as desired.

The point of the spoon-shaped receptacle is constantly worn away by the action of the needle, though it is made of hard steel, and when the said point is worn to any considerable extent the said spoon-shaped receptacle is rendered useless; and the chief object of this invention is to remedy this evil and to prevent the wearing away of the point of said spoon-shaped receptacle. This object I accomplish by screwing a jewel 10 in the point of the spoon, through which the needle 9 passes, and for this purpose I prefer to employ a common watch-jewel, through the hole of which the needle runs.

The jewel 10 may be secured in the point of the spoon-shaped receptacle in any desired manner, and the paint-distributor when thus provided works perfectly, and when the point of the spoon-shaped receptacle is finished in this manner it will last for years. An ordinary ruby watch-jewel will be found to be the best for this purpose, and a standard-sized jewel of this class may be employed, and almost any one can mount the jewel without removing the spoon-shaped receptacle from the instrument, said receptacle being provided at its point with a perforated or hollow head 11, in which the jewel is placed.

The spoon-shaped receptacle 5 may be made of any desired material, and in practice it is preferable to select material which will not corrode or be injuriously affected by the liquid pigment or other substances.

The details of the construction and operation of the instrument itself or the main portion thereof will be readily understood by an examination of the patents referred to, and it will thus be seen that I accomplish the object

of my invention by means of a device which is simple in construction and operation and which is well adapted to accomplish the purpose for which it is intended.

5 Having fully described my invention, I claim as new and desire to secure by Letters Patent—

10 1. The combination with a paint-distributing device provided with a pointed spoon-shaped pigment-receptacle, and a reciprocating needle mounted therein of a jewel mounted in the point of the spoon-shaped receptacle through which said needle passes, substantially as shown and described.

2. The combination with a pointed spoon- 15 shaped pigment-receptacle as 5 and a reciprocating needle as 9 mounted therein, of a jewel which is mounted in the point of said receptacle and through which the needle passes, substantially as shown and described. 20

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 1st day of October, 1897.

WILLIAM QUINN.

Witnesses:

J. A. KEAN,
LUKE A. NICOLET.