

(No Model.)

G. ARNOLD.
BRUSH FOR LITHOGRAPHIC STIPPLE WORK.

No. 454,321.

Patented June 16, 1891.

Fig 1.

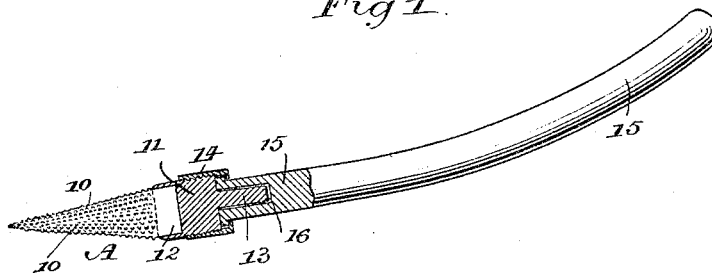
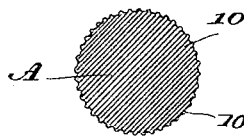


Fig 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

GUSTAV ARNOLD, OF BROOKLYN, NEW YORK, ASSIGNOR OF ONE-HALF TO
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BRUSH FOR LITHOGRAPHIC STIPPLE-WORK.

SPECIFICATION forming part of Letters Patent No. 454,321, dated June 16, 1891.

Application filed February 25, 1891. Serial No. 382,822. (No model.)

To all whom it may concern:

Be it known that I, GUSTAV ARNOLD, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Brush for Lithographic Stipple-Work, of which the following is a full, clear, and exact description.

My invention relates to an improvement in stipple-brushes, and has for its object to provide a brush especially adapted for lithographic work, a further object of the invention being to construct the brush of a yielding or elastic material essentially of conical shape and provided with an embossed or teated "technic."

A further object of the invention is to provide a brush wherewith an artist may produce a stipple-surface of a strong, light, or intermediate tint in an expeditious, convenient, and artistic manner, the brush being capable of manipulation in like manner to one employed in painting.

The invention consists in the novel construction of the brush, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures and letters of reference indicate corresponding parts in both the views.

Figure 1 is a side elevation of the brush and handle partly in section, and Fig. 2 is a transverse section through the brush.

The brush A is made of rubber or an equivalent elastic or yielding material. The shape of the brush is conical, and the outer surface of the brush, known as the "technic," is provided with a series of teats 10 or the equivalents thereof, of like material to the body of the brush, the teats being preferably regularly arranged, so that when color is applied to them and the brush is manipulated upon a surface adapted to receive color a stipple effect will be produced upon said surface.

The inner end of the brush, which corresponds to the base of the cone, is clamped by or otherwise attached to a block 11, provided with a socket 12 at one end, receiving the body of the brush, and having an extension 13 at

the opposite end, the said extension being 50 round in cross-section. The exterior surface of the block 11, near the inner or upper end thereof, is exteriorly threaded to receive a collar 14, the said collar having a swivel connection with a handle 15. The handle may 55 be curved, as illustrated, or may be given any desired shape most convenient to the operator. The handle at its lower end is provided with a bore 16, in which the extension of the block 11 is loosely fitted. It will thus be observed that the brush may be readily re- 60 solved independently of the handle.

By reason of the conical shape of the brush, if so desired, it may be used at its point or apex in like manner to an ordinary pencil 65 employed in oil or water-color painting. This form of brush enables an artist to perform work very quickly and artistically and in an equivalent manner to painting. According to the amount of pressure exerted upon the brush a stronger or a lighter tint of stippling 70 is obtained.

With the brush described work may be done upon a polished or upon a crayon stone without interfering with work previously placed 75 upon the stone with crayon or with ink. The brush may also be readily used upon paper for sketching or for ink-drawing.

Having thus described my invention, I claim as new and desire to secure by Letters 80 Patent—

1. A brush for stipple-work, constructed of an elastic or yielding material tapered, essentially, to a point and provided with exterior teats constituting the technic of the brush, as 85 and for the purpose specified.

2. A brush for stipple-work, comprising a handle and a body swiveled to the handle, the said body being constructed of a yielding or elastic material tapered in the direction of 90 one end and having its exterior surface or technic provided with a series of teats, as and for the purpose specified.

GUSTAV ARNOLD.

Witnesses:

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CARL HILLE.