

(No Model.)

E. S. HENGST.
SHADING PEN.

No. 577,188.

Patented Feb. 16, 1897.

FIG. 1.

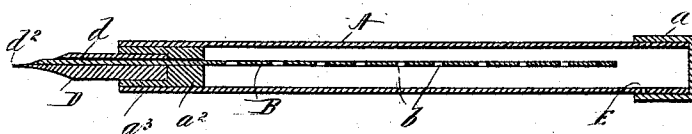
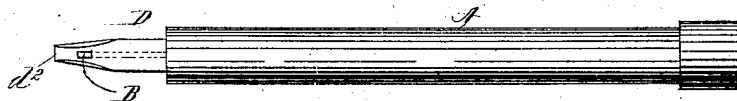


FIG. 2.



WITNESS:

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SHADING-PEN.

SPECIFICATION forming part of Letters Patent No. 577,188, dated February 16, 1897.

Application filed April 22, 1896. Serial No. 588,622. (No model.)

To all whom it may concern:

Be it known that I, EDGAR STONER HENGST, a citizen of the United States, and a resident of Hellam, in the county of York and State of Pennsylvania, have invented certain new and useful Improvements in Self-Feeding Shading-Pens, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof, in which similar letters of reference indicate corresponding parts.

This invention relates to self-feeding shading-pens; and the object thereof is to provide an improved device of this class which is simple in construction and operation, and which is also comparatively inexpensive, while being perfectly adapted to accomplish the result for which it is intended.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which—

Figure 1 is a central longitudinal section of my improved shading-pen and the holder or reservoir employed in connection therewith, and Fig. 2 a plan view thereof.

In the practice of my invention I provide a tubular holder or reservoir A, which is of the usual form and which is provided at one end with a removable cap or cover *a*, and the opposite end of which is closed by a plug *a*², through which passes a strip or plate B, which extends longitudinally through the tubular holder or reservoir, and the outer end of the plug *a*² is provided with a socket *a*³, in which is placed a pen D, the inner end of said pen being substantially cylindrical in form, and the plate or strip B is passed longitudinally through the pen, which is provided with a longitudinal passage *d* for this purpose, and this passage *d* is of such size, as is also the passage through the plug *a*². Thus the strip or plate B does not entirely fill the same, space being left over said strip or plate for the ink to flow therethrough.

The outer end of the pen D is shaped as shown in Figs. 1 and 2, the upper and lower sides thereof being cut away at an inclination, so as to form a point *d*², which may be of any desired width.

The strip or plate B is perforated throughout the greater portion of its length, as shown at *b*, and the end thereof projects through the upper inclined surface at the end of the pen,

and in the operation of the device the ink flows through the longitudinal passage *d* in the pen and out at the end thereof, from which the strip or plate B projects, as will be readily understood.

The operation will be readily understood from the foregoing description when taken in connection with the accompanying drawings and the following statement thereof.

The holder or reservoir A is filled with ink in the usual manner by removing the cap *a*, and in operation the ink will flow around the strip or plate B out through the longitudinal passage in the plug *a*² and the pen D.

This device is simple in construction and operation and is perfectly adapted to accomplish the result for which it is intended, and the usual air-vent E is formed in the end of the holder or reservoir A, and said air-vent may be uncovered, if desired, by slipping the cap *a* outwardly, or it may be closed by forcing said cap or cover thereover in the usual manner.

It is evident that changes in and modifications of the construction herein described may be made without departing from the spirit of my invention or sacrificing its advantages, and I reserve the right to make all such alterations therein as fairly come within the scope of the invention.

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

The herein-described self-feeding and shading pen, consisting of a reservoir A, provided on one end with a removable cap *a*, and the passage being closed by a plug *a*², a strip B mounted on said plug and extending into the reservoir, the outer end of said plug being provided with a socket *a*³ and a pen D adapted to be secured in said socket, said pen having a longitudinal passage *d*; said strip B being perforated throughout the greater portion of its length as set forth.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 15th day of April, 1896.

EDGAR STONER HENGST.

Witnesses:

G. HOWARD ORR,
SAMUEL HENGST.