

# T. S. Hudson. Pen.

N<sup>o</sup> 53,622. Patented Apr. 3. 1866.

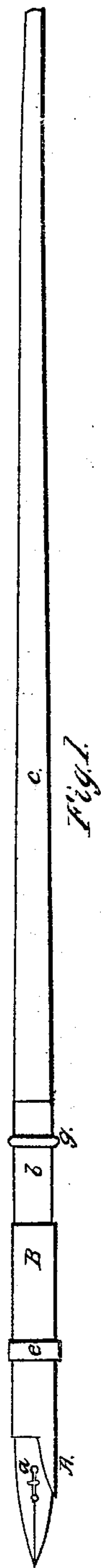


Fig. 2.

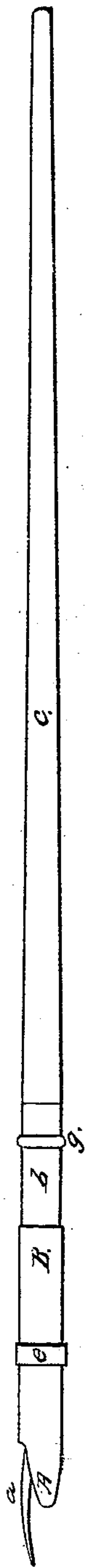


Fig. 3.

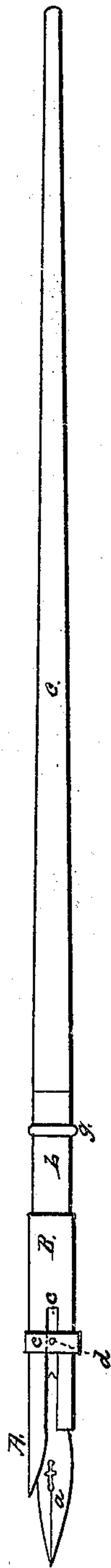


Fig. 4.

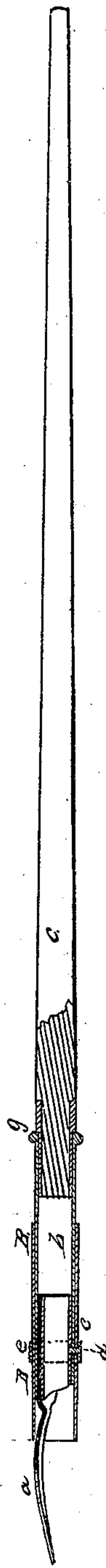


Fig. 5.



# UNITED STATES PATENT OFFICE.

THOMAS S. HUDSON, OF EAST CAMBRIDGE, MASSACHUSETTS.

## IMPROVEMENT IN PENS.

Specification forming part of Letters Patent No. 53,622, dated April 3, 1866.

*To all whom it may concern:*

Be it known that I, THOMAS S. HUDSON, of East Cambridge, in the county of Middlesex and State of Massachusetts, have made a new and useful invention or Improvement having reference to Writing-Pens; and I do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 is a top view, Fig. 2 a side elevation, Fig. 3 a bottom view, Fig. 4 a longitudinal section, and Fig. 5 a transverse section, of a pen provided with my invention, which consists in an improved method of applying a ruler-guard to the pen-handle or the pen-socket tube thereof.

I am aware that it is not new to combine with a pen an attachment for the purpose of guarding the edge of a ruler or preventing ink from the pen from getting on such edge during the process of ruling a line by means of such pen and ruler, such attachment being represented in the patent granted to Frederick Brackett on the 14th day of November, A. D. 1865.

My invention is an improvement in the construction and application of the ruler-guard.

In carrying out my invention I combine the guard with a slotted tube to encompass the pen-carrier and be capable of being freely slid longitudinally thereon, in order that the guard may be moved in a direction either toward or away from the nib of the pen.

When at its lowest position the guard will be in a situation to protect the edge of a ruler, as the guard, during the operation of ruling a line by the pen, is borne against the edge of the ruler and effectually shields it from the ink in the pen.

When the guard is in its highest position it will be out of the way of being dipped with the pen into the ink at such times as it may be desirable to supply the pen with ink.

The advantage of having the guard applied to a slide-tube encompassing the pen-carrier is that such tube not only enables the fingers of a person, while applied to the pen carrier or handle, to be adjusted thereto as circum-

stances may require, but it enables the guard, while the operation of ruling a line is being carried on, to be held down firmly by both the thumb and the second or third fingers of the hand applied to the tube and its carrier.

The slide-tube is every way more convenient than a stationary tube fixed to the side of the pen carrier and containing a rod and a spring, the rod being extended beyond the tube for the purpose of constituting a ruler-guard, and the spring serving to retract the rod when not used for guarding a ruler.

In the drawings, *a* denotes the pen, *b* its carrier, and *c* the handle thereof.

*A* is the ruler-guard, it being a projection from a tube, *B*, which encompasses the carrier *b*, and so as to be capable of being slid longitudinally thereon. The said tube *B* has a slot, *e*, made lengthwise in it. A rivet or stop-pin, *d*, goes through the said slot and a ferrule or ring, *e*, which encircles the slide-tube.

The upper end of the slot, when in contact with the rivet or pin, serves with it as a means of arresting the guard or determining its lowest position. The tube when retracted is estopped by a shoulder, *g*, projecting from the pen-carrier.

The slot serves not only to prevent the tube from revolving on the pen-carrier, but enables such tube, with the guard, to be moved longitudinally on the said carrier as circumstances may require.

I make no claim to the aforementioned invention of the said Brackett as patented by him; but

I claim—

As an improvement thereon, the application of the ruler-guard *A* to the pen-carrier *b* by means of a tube, *B*, to encompass and slide on the said carrier, such tube being furnished with a slot, *e*, or its equivalent, to operate with a stop, *d*, projecting from the carrier, as set forth.

THOS. S. HUDSON.

Witnesses:

R. H. EDDY,  
FREDERICK CURTIS.