

(No Model.)

A. H. STEVENS.
COMBINED WRITING AND MOISTENING DEVICE.

No. 460,602.

Patented Oct. 6, 1891.

Fig. 1.



Fig. 2.

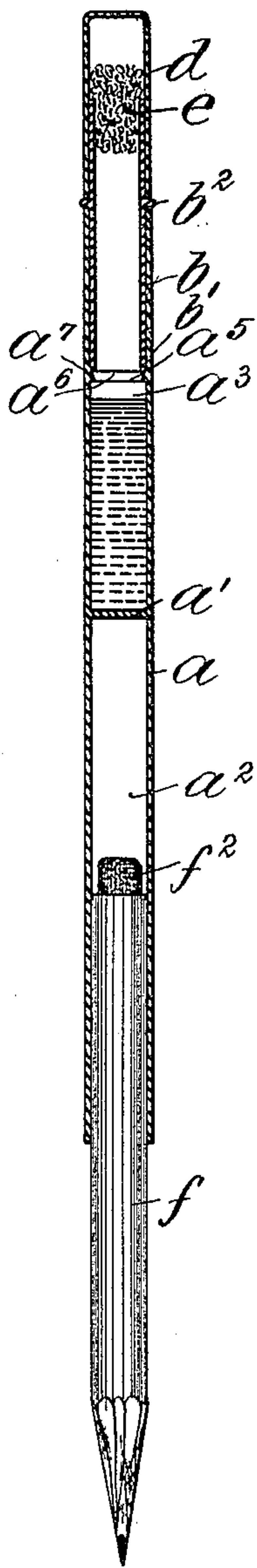


Fig. 3.

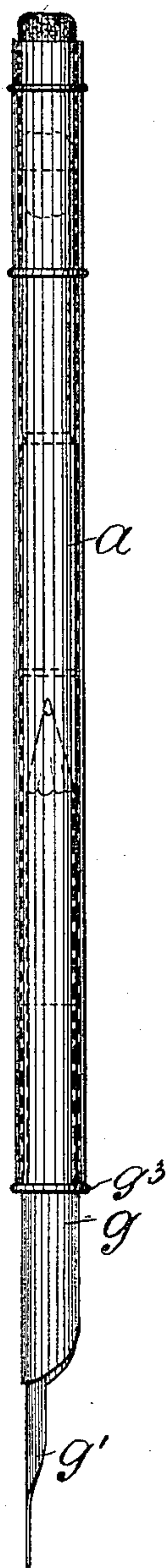
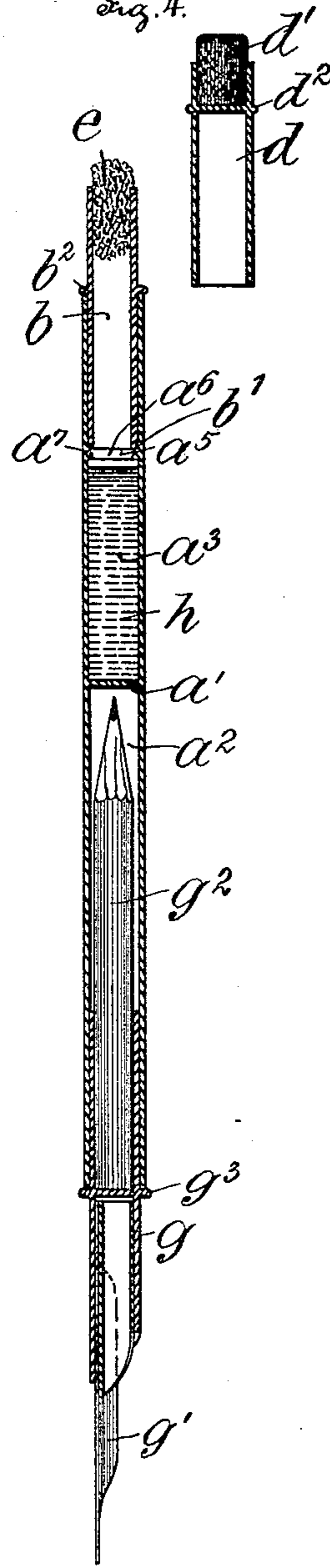


Fig. 4.



Witnesses:
Hermann Borinann.
Thomas M. Smith.

Inventor:
Alfred Herbert Stevens,
by J. Walter Douglass.
att'n.

UNITED STATES PATENT OFFICE.

ALFRED HERBERT STEVENS, OF PHILADELPHIA, PENNSYLVANIA.

COMBINED WRITING AND MOISTENING DEVICE.

SPECIFICATION forming part of Letters Patent No. 460,602, dated October 6, 1891.

Application filed May 29, 1891. Serial No. 394,487. (No model.)

To all whom it may concern:

Be it known that I, ALFRED HERBERT STEVENS, a citizen of the United States, residing in the city of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in a Combined Writing and Moistening Device, of which the following is a specification.

My invention has relation to combined writing and moistening appliances adapted to be carried in the pocket.

The principal object of my invention is to provide a compact, inexpensive, and durable pocket combination device adapted for writing with a pen or pencil, erasing, and for moistening stamps or other articles.

My invention consists of a combined writing and moistening device comprising a tube partitioned to form a socket and a liquid-receptacle, a writing-instrument detachably fitting the socket, a nipple provided with a seat and detachably fitting the receptacle and having absorbent material protruding therefrom, and a cap detachably fitting the seat to shield the absorbent material and close the liquid-receptacle.

My invention further consists of a combined writing and moistening device comprising a tube transversely partitioned to form a socket and a liquid-receptacle, a writing-instrument detachably fitting said socket, a perforated diaphragm in said receptacle, a nipple provided with a seat and detachably fitting said receptacle and having absorbent material protruding therefrom, and a cap adapted to be fitted onto said seat to shield the absorbent material of said nipple; and my invention further consists in the improvements herein-after described, and pointed out in the claims.

The nature and particular characteristic features of my invention will be more fully understood from the following description, taken in connection with the accompanying drawings, forming part hereof, and in which—

Figure 1 is an elevation of a combined writing and moistening device embodying features of my invention and showing the moistening appliance in a closed and my writing-instrument in an open or operative position and with an eraser at the opposite end thereof concealed within the body of the

device. Fig. 2 is a longitudinal central section of Fig. 1, showing the construction of the interior of the device of my invention. Fig. 3 is an elevation of a combined writing and moistening device embodying a modification of my invention, showing a writing-instrument comprising a pen and pencil and also showing the cap provided with a rubber or other form of eraser; and Fig. 4 is a longitudinal central section of Fig. 3, showing the moistening appliance in an operative position.

In the drawings, *a* is a tube adapted to be held in the hand in the same manner that an ordinary pen-holder is held during the operation of writing and of such length that it may be conveniently inserted into a waistcoat or other pocket. The tube *a* is divided by means of a transversely-ranging partition *a'* into a socket *a²* and a liquid-receptacle *a³* for a purpose to be presently described.

a⁵ is a transversely-ranging diaphragm attached to the interior wall of the receptacle *a³* and provided with a small aperture *a⁶* for controlling the passage of the liquid therefrom. The wall *a⁷* of the aperture *a⁶* is preferably beveled or formed sloping in order to afford a tight joint between the diaphragm *a⁵* and the lower portion of a nipple *b*, which is preferably formed tapering, as at *b'*, so as to fit snugly the wall *a⁷* of the diaphragm. This nipple *b* is adapted to be fitted into the upper portion of the receptacle *a³* and is provided with a flange *b²*, which forms a seat for a detachable cap *d*. *e* is an absorbent substance or material, preferably sponge, which is inserted into the nipple *b* and protruding beyond the upper extremity thereof.

Referring now to Figs. 1 and 2, *f* is a pencil provided with a rubber or other type of eraser *f²* and adapted to be detachably fitted into the socket *a²*, so that either the pencil or the rubber, as required, may be caused to assume a position in the tube *a* for use.

In Figs. 3 and 4, *g* is a carrier provided with a pen *g¹* and with a pencil *g²* and adapted to be detachably fitted into the socket *a²*, so that either the pen or pencil, as required, may be caused to protrude from the tube, as will be readily understood by reference to the drawings. *g³* is a flange formed on the carrier *g* and adapted to engage with the lower portion

of the tube a , in order to limit the motion of the carrier g therein. In this instance the cap d is provided with a rubber tip or other form of eraser d' and with a flange d^2 for affording a
 5 convenient means for grasping the cap with the fingers.

In use the receptacle a^3 is filled with water, mucilage, or other preferred liquid or fluids, as is indicated at h in Figs. 2 and 4, by re-
 10 moving the nipple b and with it the cap d , whereupon the cap and nipple after filling are returned to place.

The hereinbefore-described device may be employed as a writing-instrument by placing
 15 the cap d upon the nipple b to protect the absorbent material e , as shown in Figs. 1, 2, and 3, and then causing the pencils f or g^2 , pen g' , or rubber f^2 to protrude from the lower portion of the tube a , as indicated in
 20 the drawings.

To employ the device as a moistener, the pen g' or pencil f may be inserted into the socket a^2 and the cap d removed from the nipple b , whereupon the liquid contained in
 25 the receptacle a^3 may be caused to flow in small quantity past the diaphragm a^5 onto and into the absorbent material e by the simple operation of reversing the tube a . The absorbent material e thus moistened may then
 30 be employed in any convenient manner for transferring a portion of the liquid or fluid to the articles to be gummed or moistened.

It will be obvious that modifications may be made in details of the invention without
 35 departing from the spirit thereof. For example, the conical or tapering wall a^7 or the diaphragm a^5 may be dispensed with, and hence I do not limit myself to the exact construction and arrangement of parts, as hereinbe-
 40 fore explained; but,

Having thus described the nature and objects of the invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A combined writing and moistening de-
 45 vice comprising an integral tube partitioned to form a socket and a receptacle, a writing-instrument detachably fitting said socket, a nipple comprising a shell having open extremities, whereof one is fitted into and en-
 50 gages the interior side walls of the open extremity of the receptacle and the other con-

tains absorbent material protruding therefrom, said nipple being provided with an annular flange or seat engaging the open ex-
 tremity of said receptacle, and a cap detach- 55 ably fitting said seat, substantially as and for the purposes set forth.

2. A combined writing and moistening device comprising an integral tube partitioned to form a socket and a liquid or fluid recep- 60 tacle, a reversible writing-instrument comprising a pencil and pen detachably fitting said socket, a nipple comprising a cylindrical shell having open extremities, whereof one is fitted into and engages the interior side 65 walls of the open end of the receptacle and the other contains absorbent material protruding therefrom, said nipple being provided with an annular flange or seat engaging the open extremity of said receptacle, and a cap 70 provided with an eraser and detachably fitting said seat, substantially as and for the purposes set forth.

3. A combined writing and moistening device comprising a tube transversely parti- 75 tioned to form a socket and a liquid-receptacle, a pencil detachably fitting said socket, a perforated diaphragm in said receptacle, a nipple provided with a seat and detachably fitting said receptacle, absorbent material 80 protruding from said nipple, and a cap adapted to be fitted onto said seat, substantially as and for the purposes set forth.

4. A combined writing and moistening device comprising a tube transversely parti- 85 tioned to form a socket and a liquid-receptacle, a writing-instrument detachably fitting said socket, a diaphragm provided with a conical opening, a nipple detachably fitting said receptacle and provided with a seat and 90 with a conical extremity engaging the opening in said diaphragm, absorbent material protruding from said nipple, and a cap adapted to be fitted onto said seat, substantially as and for the purposes set forth. 95

In witness whereof I have hereunto set my signature in the presence of two subscribing witnesses.

ALFRED HERBERT STEVENS.

Witnesses:

HERMANN BORMANN,
 RICHARD C. MAXWELL.