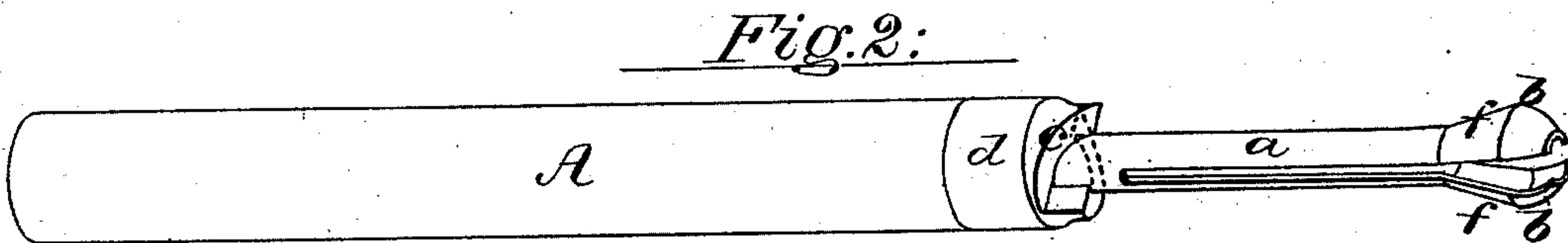
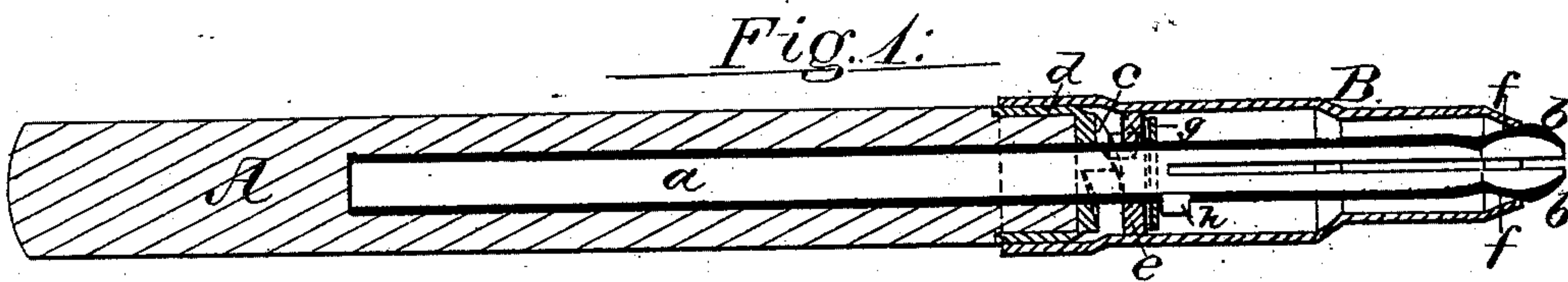


J. HOFFMAN.
Lead and Crayon Holder.

No. 223,511.

Patented Jan. 13, 1880.



Witnesses

*Georgius
D. P. Low*

Inventor:

*Joseph Hoffman,
by M. Bailey
his Att'y.*

UNITED STATES PATENT OFFICE.

JOSEPH HOFFMAN, OF NEW YORK, N. Y., ASSIGNOR TO JOSEPH RECKENDORFER, OF SAME PLACE.

LEAD AND CRAYON HOLDER.

SPECIFICATION forming part of Letters Patent No. 223,511, dated January 13, 1880.

Application filed October 23, 1879.

To all whom it may concern:

Be it known that I, JOSEPH HOFFMAN, of the city, county, and State of New York, have invented certain new and useful Improvements in Lead and Crayon Holders, of which the following is a specification.

My invention relates to that class of pencil or lead and crayon holders in which a sheath or handle provided with a lead-receiving bore or tube is combined with lead-holding jaws and a clamping-sleeve movable to close or release the jaws according to the direction in which it may be moved.

My improvement consists in the combination, with the sheath or handle provided at its front end with a cam, of a rotary clamping-sleeve provided with a cam or other projection, which rests against the cam-surface on the sheath, and acts, when the sleeve is rotated in the proper direction, to move said sheath longitudinally upon a tapered or swelling part on the jaws; in order to cause the latter to close together.

The nature of my improvement and the manner in which the same is or may be carried into effect will be understood by reference to the accompanying drawings, in which—

Figure 1 is a longitudinal central section of a lead or crayon holder embodying my invention. Fig. 2 is a perspective view of the sheath with the clamping-sleeve removed.

The parts are represented on an enlarged scale for the sake of greater clearness.

The sheath or handle A is of ordinary or suitable construction, and is provided with the usual lead-receiving bore or tube *a*, and with jaws *b*, which can close or open to grasp or release the lead. These jaws, in the present instance, are formed by splitting the front end of the tube *a*. On the front end of the sheath A is a cam, *c*, which, in this instance, forms part of a ferrule, *d*, which is fitted over and fastened to the front end of the sheath.

B is the clamping-sleeve, which at its rear

encircles the sheath or ferrule, and at its front is contracted to fit the tube *a*. Within the sleeve is a cam or laterally-projecting annular flange, *e*, which, when the sleeve is in position, rests upon the cam *c*. Beyond the sleeve the jaws are tapered or provided with a swell or incline, *f*. The sleeve is held in place between the said incline *f* in front and the cam *c* in rear.

By partly rotating the sleeve the action of the two cam-surfaces *c* and *e* will be such as to force the sleeve forward upon the incline *f* with the effect of closing the jaws. A reverse rotary movement of the sleeve will release the jaws.

The sleeve may be held in place in other ways than that above indicated—as, for instance, by a washer, *g*, Fig. 1, which encircles the lead-holding tube in front of the sleeve-cam or flange *e*, and is retained in place by a projecting tongue or stud, *h*, on the tube. This washer will prevent the sleeve from moving far enough forward to permit its cam to ride over the forwardly-projecting heels of the cam *c* on the handle.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

The lead-receiving sheath or handle having a central tube or bore and lead-holding jaws, and formed or provided with a cam on its front end, in combination with a rotary clamping-sleeve provided with an internal corresponding cam flange or projection to meet said cam, and with a contracted front end to act upon the jaws, substantially as and for the purposes set forth.

In testimony whereof I have hereunto set my hand this 18th day of October, A. D. 1879.

JOSEPH HOFFMAN.

Witnesses:

C. S. BRAISTED,
JOE W. SWAINE.