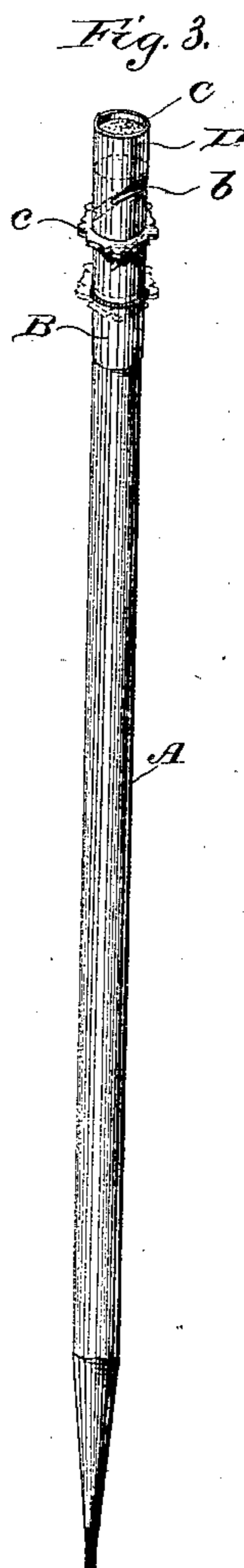
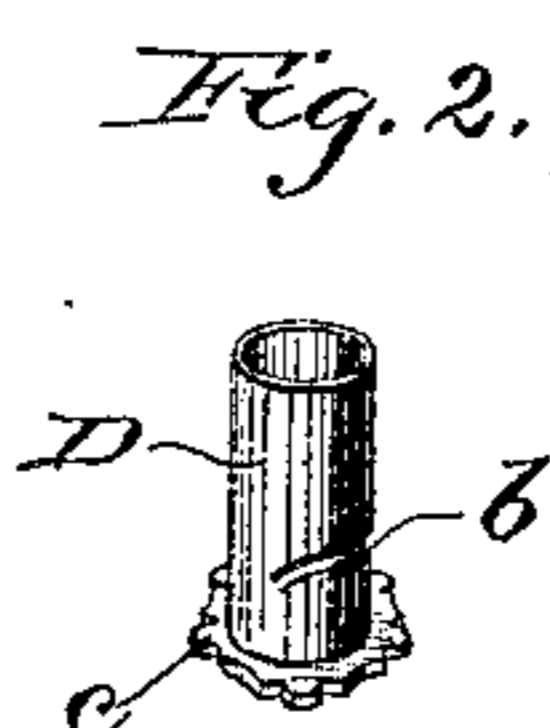
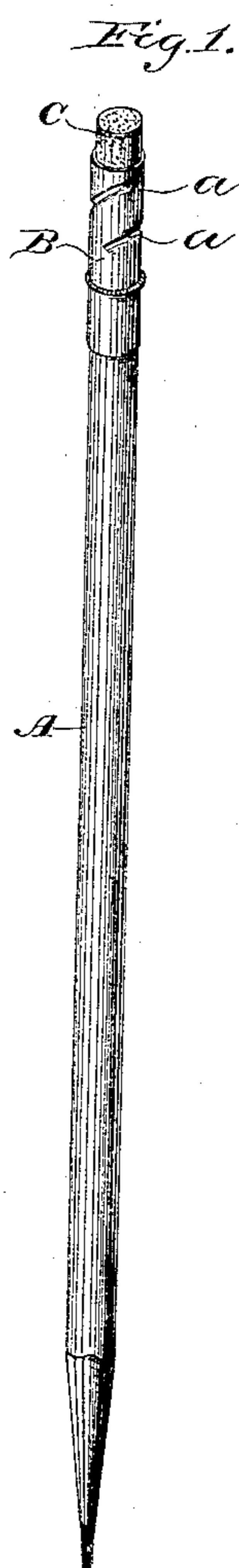


(No Model.)

S. KRAUS.
LEAD PENCIL.

No. 333,638.

Patented Jan. 5, 1886.



Witnesses:

H. M. Low
C. J. Dick

Inventor:

Samuel Kraus
by Marshall Bailey
his attorney

UNITED STATES PATENT OFFICE.

SAMUEL KRAUS, OF NEW YORK, N. Y., ASSIGNOR TO THE EAGLE PENCIL COMPANY, OF SAME PLACE.

LEAD-PENCIL.

SPECIFICATION forming part of Letters Patent No. 333,638, dated January 5, 1886.

Application filed April 16, 1885. Serial No. 162,463. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL KRAUS, of the city, county, and State of New York, have invented a certain new and useful Improvement in Lead-Pencils, of which the following is a specification.

The object of this improvement is to provide a lead-pencil with a tip of rubber or other erasive material, which can be shielded from exposure when not required for use, the shield being so formed that it will furnish means whereby the pencil, when laid upon an inclined surface, will be prevented from unduly rolling, and also whereby one end of the pencil will be raised from said surface, to permit it to be picked up with greater ease.

The nature of the improvement will be readily understood by reference to the accompanying drawings, in which—

Figure 1 is a perspective view of a pencil provided with a rubber tip held in a metal tube fitted to the end of the pencil. Fig. 2 is a like view of the covering-sleeve intended to fit and screw up and down upon said tube.

Fig. 3 is a perspective view of the complete article, the sleeve being represented in full lines in the position it occupies when the rubber is covered, and in dotted lines in the position it occupies when the rubber is exposed.

A is a pencil of ordinary or suitable construction, on the the end of which is fastened a sheet-metal tube, B, in which is inserted for a portion of its length a stick of rubber or other erasive material, C. In the tube is formed by depression a screw-thread, *a*, which makes a little more than one turn of a spiral in this instance, but which in any event should stop short of the end of the tube, as shown.

D is the covering-sleeve, which fits snugly upon the tube, and has formed upon its inner face a projection, *b*, which is of the same pitch as the spiral *a*, and enters and engages the same when the sleeve is in place on the tube. This internal projection, *b*, is formed by external depression of the metal of which the sleeve is composed at the proper point, and this operation of course is not performed un-

til after the sleeve is fitted upon the tube. This arrangement admits of the sleeve being screwed up or down on the tube to cover or uncover the rubber, and at the same time insures the permanent union of the tube and sleeve, by reason of the fact that the spiral groove stops short of the end of the tube, which prevents the sleeve from being entirely unscrewed from the tube. The base or inner end of the sleeve is surrounded by and made in one with a projecting flange, *c*, preferably of polygonal outline, as shown. By this flange the sleeve can be conveniently rotated, this rotation, according to its direction, causing the sleeve to move lengthwise of the tube to cover or uncover the rubber, as the case may be.

By reason of the projection of the flange the adjoining end of the pencil will be lifted or raised, so as to permit the pencil to be taken hold of easily, and by the form of the flange the pencil will be effectually prevented from rolling when laid upon an inclined surface.

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

1. A lead-pencil provided at one end with a sheet-metal tube, B, containing rubber or other erasive material, and formed with an external groove which stops short of the end of the tube, and a sheet-metal covering-sleeve, D, longitudinally movable in the tube, and having a depression which forms an internal projection that enters the groove in the tube, substantially as hereinbefore set forth.

2. A lead-pencil provided with a tube, B, containing rubber or other erasive material, in combination with the covering-sleeve D, screwing upon said tube and provided with the flange *c*, as and for the purposes set forth.

In testimony whereof I have hereunto set my hand this 10th day of April, 1885.

SAMUEL KRAUS.

Witnesses:

JOE. W. SWAINE,
C. S. BRAISTED.