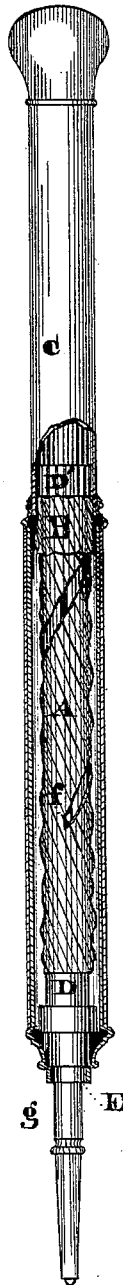


E. TYRRELL.

PENCIL-CASE

No. 179,743.

Patented July 11, 1876.



Attest
James Moore
John Holland

Inventor
Edward Tyrrell
by Geo. Murray
his Attorney

UNITED STATES PATENT OFFICE.

EDWARD TYRRELL, OF CINCINNATI, OHIO, ASSIGNOR TO JOHN HOLLAND,
OF SAME PLACE.

IMPROVEMENT IN PENCIL-CASES.

Specification forming part of Letters Patent No. **179,743**, dated July 11, 1876; application filed
June 8, 1876.

To all whom it may concern:

Be it known that I, EDWARD TYRRELL, of Cincinnati, in the county of Hamilton and State of Ohio, have invented a new and useful Improvement in Pencil-Cases, which is fully set forth in the following specification, reference being had to the accompanying drawing.

The object of the invention is an improvement in that class of telescopic pencil-cases in which the pencil-point is extended by extending the handle, and retracted by closing the handle within the outer shell; and consists, mainly, in substituting a spirally-corrugated tube and similarly-corrugated collar or slide in place of the double-slotted tubes and stud-pins now used in this class of cases.

The drawing is an enlarged view of the pencil-case, the outer shell being in section, and the handle partly in section.

A is a spirally-corrugated tube, fitted to turn on pencil-tube E between collars D and D', which collars are rigidly secured to tube E. The tube A is also spirally slotted, the spiral slot winding in a direction the opposite of the corrugations. B is a slide corrugated the same as tube A, over which it is intended to fit, so as to slide freely. The slide is secured to handle C by soldering or other suitable means. The collar D' is fluted, as is also a

tube within the handle C, for the purpose of preventing the pencil-tube, handle C, and pencil-tip from revolving. *f* is a pin, secured in the tip-holder; it passes through a straight slot in tube E, and into the spiral slot in tube A. The outer shell or case, the handle C, tube E, and tip *g* are constructed in the usual manner.

The parts being properly prepared, the case is constructed as follows: The tube A, with its slide B in position, is placed on tube E, and the collars D D' secured in place. The pencil-tip is then slipped into tube E, and stud-pin *f* screwed into the tip-holder near its upper end. The handle C is passed over slide B and soldered to it. The whole is then slipped into the outer case, which is soldered to tube E at the front end.

It is evident this invention may also be applied to a pen-case.

I claim—

In combination with a pencil-case, the spirally-corrugated tube A and collar B, for protruding the pencil-tip as the handle is extended, and withdrawing it within the case as the handle is closed, substantially as specified.

EDWARD TYRRELL.

Witnesses:

JOHN HOLLAND,
GEO. J. MURRAY.