

**No. 654,722.**

**Patented July 31, 1900.**

**W. H. FRANCIS.**

**HOLDER FOR PENCIL LEADS, GRAYONS, LEADS, &c.**

(Application filed Feb. 27, 1899.)

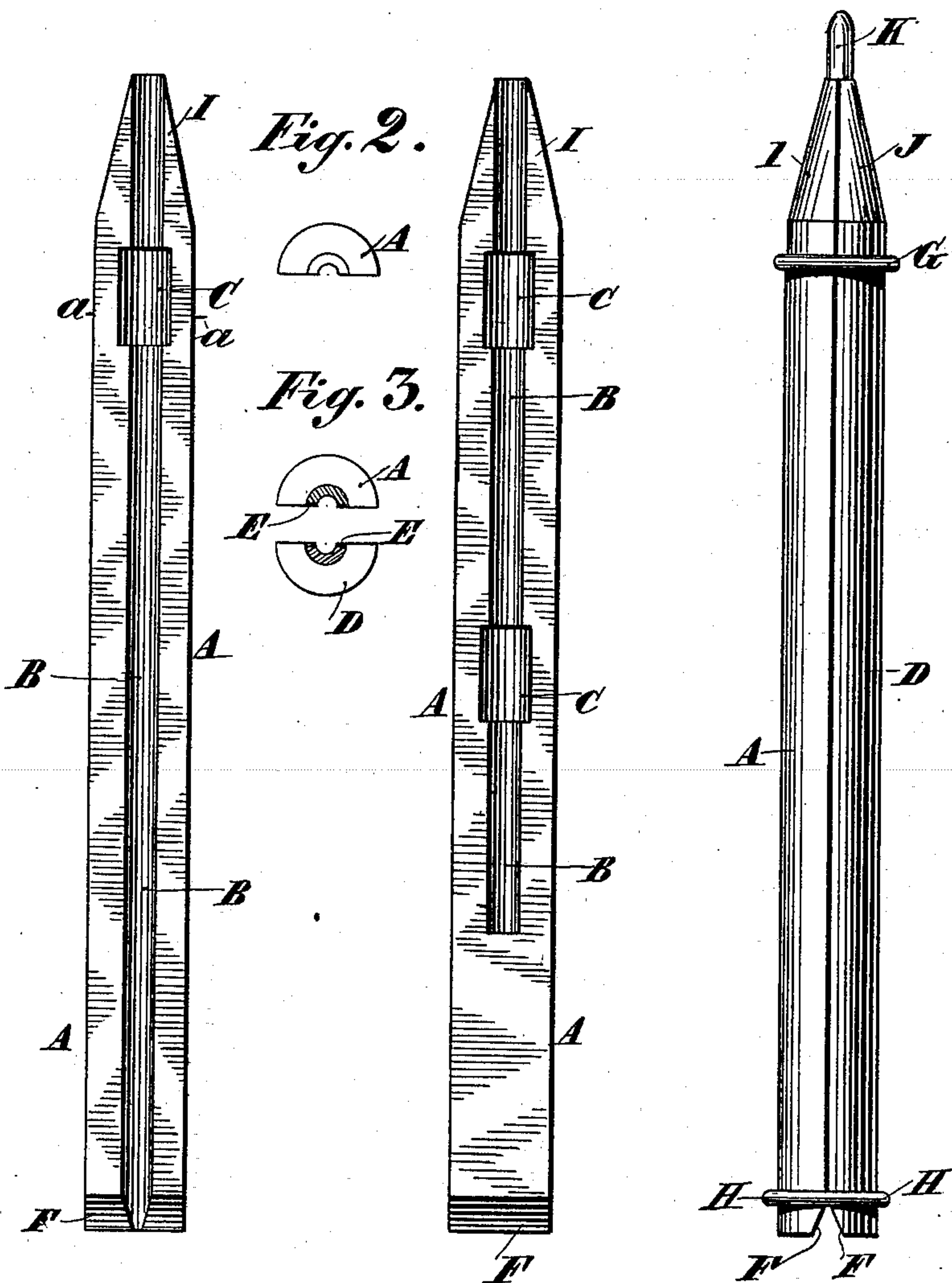
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**2 Sheets—Sheet 1.**

*Fig. 1.*

*Fig. 4.*

*Fig. 5.*



WITNESSES

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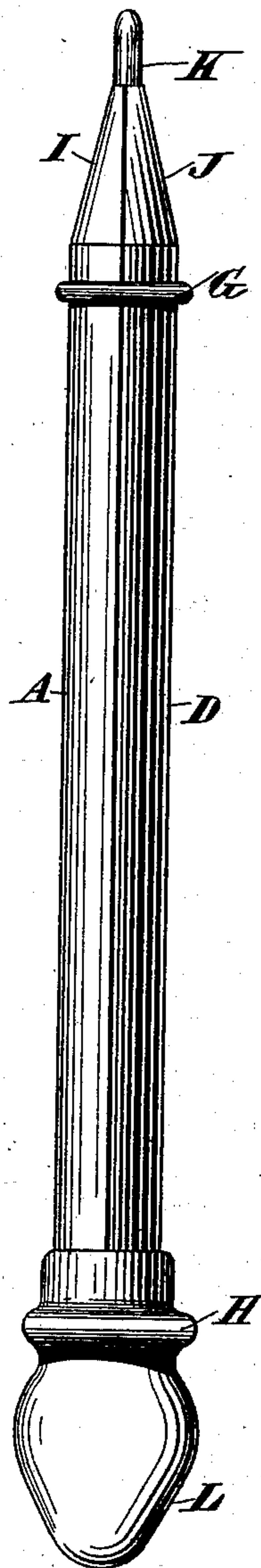
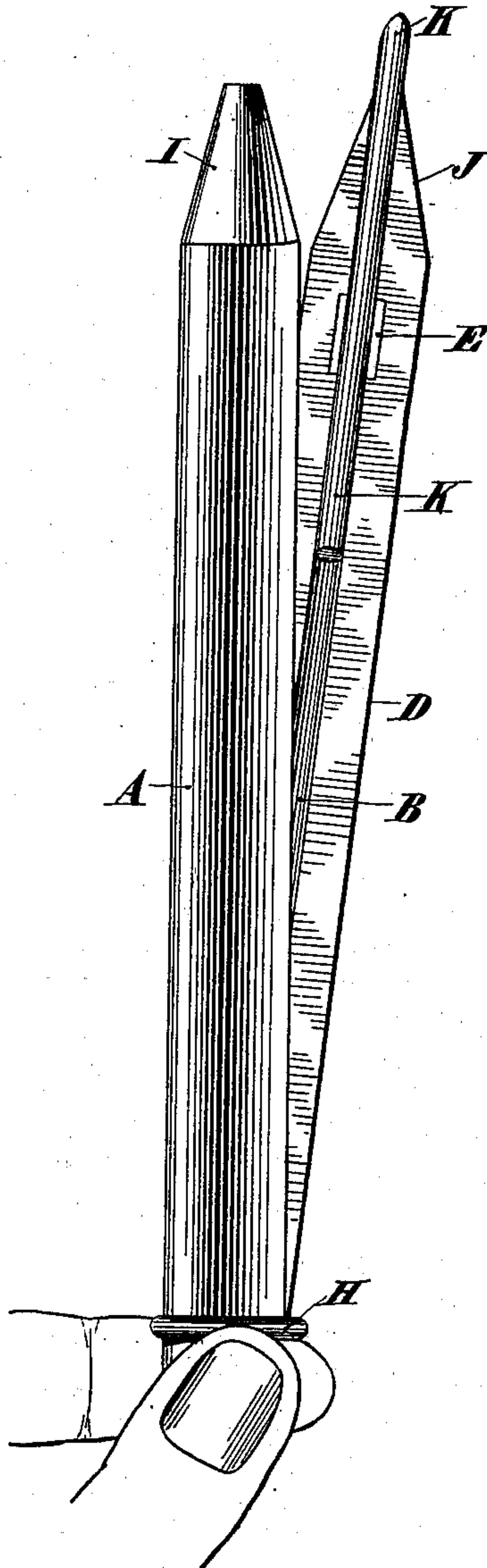
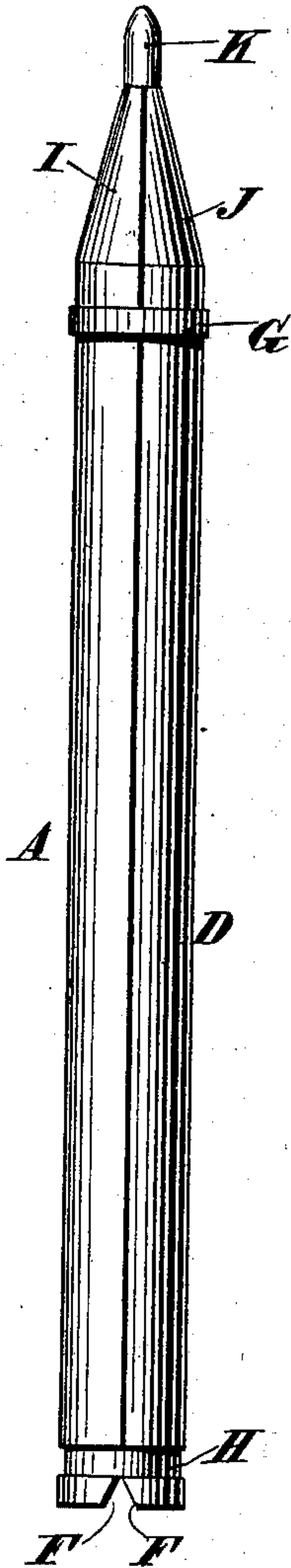
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Fig. 7.

Fig. 6.

Fig. 8.



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# UNITED STATES PATENT OFFICE.

WILLIAM HUGHES FRANCIS, OF SWANSEA, ENGLAND.

## HOLDER FOR PENCIL LEADS, CRAYONS, LEADS, &c.

SPECIFICATION forming part of Letters Patent No. 654,722, dated July 31, 1900.

Application filed February 27, 1899. Serial No. 707,023. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM HUGHES FRANCIS, a subject of the Queen of Great Britain, residing at 64 Wind street, Swansea, in the county of Glamorgan, Wales, England, have invented certain new and useful Improvements in or Relating to Holders for Pencil Leads, Crayons, and the Like, of which the following is a specification.

10 This invention relates to improvements in holders for pencil leads, crayons, and the like, the object being to dispense with the necessity of cutting the outer casing of the holder, as is usual in the case of an ordinary lead-pencil or a crayon surrounded by a fixed wooden casing.

15 In carrying out my invention I form the casing or holder in two parts, preferably of wood, one only, or both, being provided with a groove adapted to inclose the lead or crayon. They are also recessed to contain a body—say india-rubber or other suitable material—or a collar—say of wire—for the purpose of engaging the lead or crayon for retaining same in the required position for use. The 25 two half parts are held together by outside rings or collars, and I find it convenient at the point end of the holder or casing to fashion it like that of an ordinary pencil when ready for use, when the point-ring is removed from said point, so that those portions may be separated for the purpose of adjusting the position of the lead or crayon. The other ends, forming the holder, are suitably shaped 35 and are maintained in the required closed position by a ring or collar, preferably crushed on to act as a sort of hinge or pivot. When the two parts are in their open position, the lead or crayon may be drawn or pushed out 40 sufficiently to present a point or surface for use. The sections when closed can be secured by point ring or collar to make the pencil or crayon ready for use.

My invention will be clearly understood from the representations on the annexed drawings.

50 Figure 1 is an internal elevation of one half-round rod; Fig. 2, a section of the same through internal face-recess of said half-round rod on line *a a* of Fig. 1; Fig. 3, a section of two half-round rods with resilient grippers in corresponding recesses thereof;

Fig. 4, an elevation of half-round rods having short groove for lead or crayon and provided with two recesses; Fig. 5, an elevation 55 of two half-round rods bound together by external metal rings; Fig. 6, an elevation of two half-round rods separated by a side pinch of finger and thumb after removal of point-ring; Fig. 7, an elevation of two half-round 60 rods bound together by rubber rings sunk in outside annular channels; Fig. 8, an elevation of two half-round rods bound by metal rings near each end, one of which, with the ends of the rods, has an eraser-cap affixed. 65

A represents one-half pencil lead or crayon holder with the long groove B for the reception of the lead or color stick, also with a single semicircular recess C, in which the retaining-rubber or other resilient body is inserted, which may be a short length of rubber tubing or of separate pieces of rubber. 70

Fig. 2 is a section of each half-holder A through the line *a a* of Fig. 1.

Fig. 3 is a section through two half-holders A D, with semitubular retainers E E in the respective recesses of the two half-holders A D. 75

Fig. 4 is an internal elevation of one holder with a short groove B and having two recesses C C and into which separate retainers E E can 80 be placed to centralize and fix the lead or color stick, (crayon.)

The views Figs. 1 and 4 show a V shape or chamfer F at the inner face of the back end of the half-holder A, this being repeated at 85 the inner face of the back end of the other half-holder D, as represented at Figs. 5 and 7.

Fig. 5 is an exterior elevation of two half-holders A D, secured together by external rings G H, of, say, metal. The rings H at the 90 back end, after being passed over to about the most forward edge of the chamfer-face F and then slightly crushed into the wood of the two half-holders A D, serve as a kind of hinge-joint, which will enable the points I J of the 95 two half-holders A D after the point-ring G is removed to be opened outward, as at Fig. 6, to permit of the lead or color stick (crayon) K to be pushed out, so that the writing or sketching point may be exposed to the re- 100 quired degree, the point-ring G being then replaced.

Instead of the metal rings G H, as previously described, being used I may form an-



nular grooves in the outside of the two half-holders A D and arrange india-rubber rings G H in such grooves for gripping the half-holders in position, in which case I deepen the  
5 back annular channel, so as to embed the rubber ring H in its groove to be about flush with the outside surface of the two half-holders A D; but I make the annular groove at the point of less depth, or I employ a stouter rubber  
10 ring, so that it may project and so serve to be peeled out of the groove when the points I J have to be separated for the adjustment of the lead or color stick K, (crayon.)

The rubber ring G need not be removed from  
15 the point end of the two half-holders A D, but may be peeled back on the half-holders to a sufficient distance to allow of the separation of the point portions.

The back metal ring or the back rubber ring

H may be covered by a cap L, of rubber 20 stretched over, as at Fig. 8, for erasing purposes.

What I claim, and desire to secure by Letters Patent, is—

In a pencil, the combination with the lead, 25 of two rigid half-strips separable throughout their entire length to receive the lead, each strip having one end chamfered inwardly, the two strips being confined by detachable clamps at the upper and at the lower ends. 30

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

WILLIAM HUGHES FRANCIS.

Witnesses:

JOHN WILLIAM PACKE,  
THOMAS DEMERY.