

N^o 30,070



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Complete Specification Left, 5th June, 1914—Accepted, 1st Oct., 1914

PROVISIONAL SPECIFICATION.

Improvements in or relating to Magazine Pencils.

I, CECIL BRISTOW, of 20, St. German's Road, Forest Hill, in the County of London, Works Manager, do hereby declare the nature of this invention to be as follows:—

This invention relates to magazine pencils, that is to say pencils in which several leads are stored in the holder, said leads presenting themselves for use as each in turn is worn away or removed.

A magazine pencil made in accordance with this invention comprises a barrel piece adapted to form a magazine and a nose piece both of wood, vulcanite, compressed fibre, glass, or other non-metallic substance. Within the barrel piece is fitted a split sheath of metal adapted to clamp the lead and within the nose piece is fitted a coned piece of metal adapted to close the sides of the sheath on to the lead.

The coned piece and sheath piece may be provided with threads so that one may be screwed upon the other to effect the clamping action required to hold the lead, or the nose piece and barrel piece may be threaded for the same purpose.

The entrance to the split sheath from the barrel piece is slightly coned so as to direct the lead towards the aperture when a lead is removed or worn away.

Fig. 1 is a diagrammatic section of one form of magazine pencil made in accordance with this invention.

Fig. 2 is a modified construction.

Referring to the drawings, *a* is the barrel piece, *b* is a nose piece, *c* is a split sheath attached to the barrel piece, *d* is a coned piece attached to the nose piece.

In Fig. 1 the sheath is provided with a thread *e* and the coned piece with a thread *f* so that when the coned piece is screwed on to the split sheath the lead is clamped in the sheath.

In Fig. 2 the barrel is provided with a thread *g* and the nose piece with a thread *h* for the same purpose.

The entrance to the sheath from the barrel piece is slightly coned as at *j*.

A cap *k* may be provided to protect the pencil point.

Dated this 31st day of December, 1913.

MEWBURN, ELLIS & PRYOR,
70/72, Chancery Lane, London, W.C.
Chartered Patent Agents.

[Price 8d.]



Bristow's Improvements in or relating to Magazine Pencils.

COMPLETE SPECIFICATION.

Improvements in or relating to Magazine Pencils.

I, CECIL BRISTOW, of 20, St. German's Road, Forest Hill, in the County of London, Works Manager, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention relates to magazine pencils, that is to say pencils in which several leads are stored in the holder, said leads presenting themselves for use as each in turn is worn away or removed. 5

Magazine pencils have been proposed in which the lead has been held in its projecting position by a split clamping sheath provided with a thread upon which is disposed a threaded nose piece or operating sleeve. Other pencils have been proposed in which the front end of the pencil case encloses an operating sleeve having a screw threaded connection with a split sheath, and other pencils are provided with screw threaded nose pieces or operating sleeves working on screw threads on the casing of the pencil. 10

The object of this invention is to provide a new construction and arrangement of parts. 15

A pencil made in accordance with this invention comprises a barrel piece adapted to form a magazine and a nose piece both of wood, vulcanite, compressed fibre, glass or other non-metallic substance, a split sheath fixed to the barrel piece and a coned piece of metal secured within the nose piece said coned piece being adapted to close the sides of the split sheath on to the lead, and the invention is characterised in that the split sheath though having a cylindrical bore throughout its length is tapered on its outer surface towards the point of the pencil and in that the coned piece is tapered on its inside to coact with the taper on the split sheath. 20 25

The coned piece and sheath piece may be provided with threads so that one may be screwed upon the other to effect the clamping action required to hold the lead, or the nose piece and barrel piece may be threaded for the same purpose.

The entrance to the split sheath from the barrel piece is slightly coned so as to direct the lead towards the aperture when a lead is removed or worn away. 30

In the drawings filed with the Provisional Specification,—

Fig. 1 is a diagrammatic section of one form of magazine pencil made in accordance with this invention.

Fig. 2 is a modified construction.

Referring to the drawings, *a* is a barrel piece, *b* is a nose piece, *c* is a split sheath attached to the barrel piece, the sheath has a cylindrical bore *c*¹ and is tapered externally at *c*² towards the point of the pencil *d* is a coned piece attached to the nose piece and is tapered internally to coact with the taper on the split sheath. 35

In Fig. 1 the sheath is provided with a thread *e* and the coned piece with a thread *f* so that when the coned piece is screwed on to the split sheath the lead is clamped in the sheath. 40

In Fig. 2 the barrel is provided with a thread *g* and the nose piece with a thread *h* for the same purpose.

The entrance to the sheath from the barrel piece is slightly coned as at *j*. 45
A cap *k* may be provided to protect the pencil point.

Bristow's Improvements in or relating to Magazine Pencils.

Having now particularly described and ascertained the nature of my said invention, and in what manner the same is to be performed, I declare that what I claim is:—

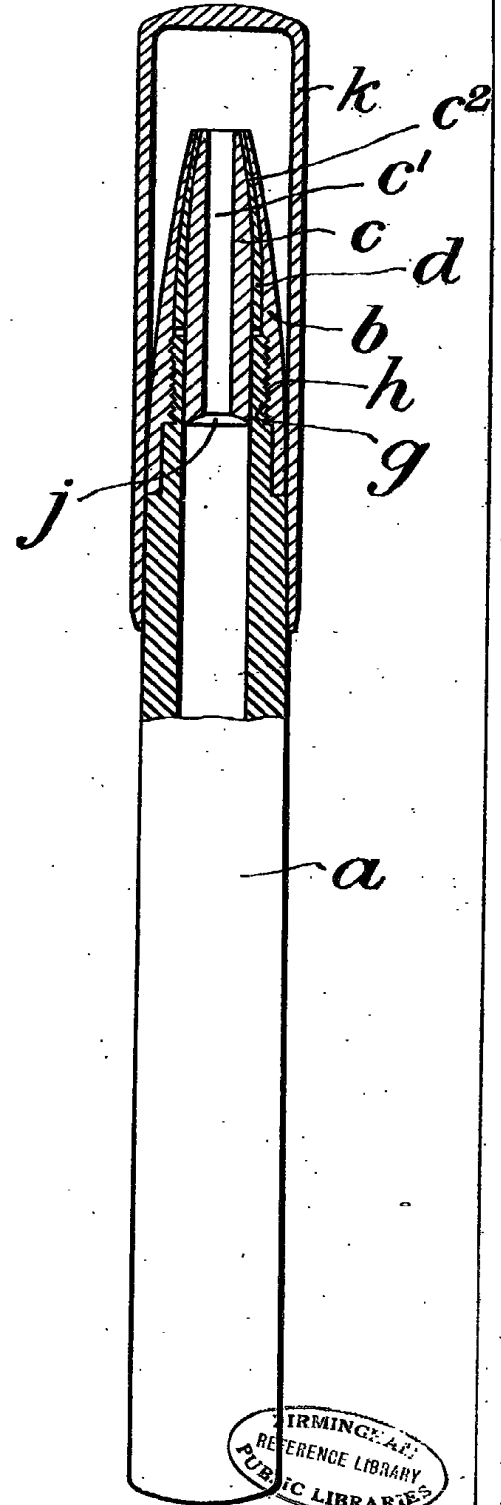
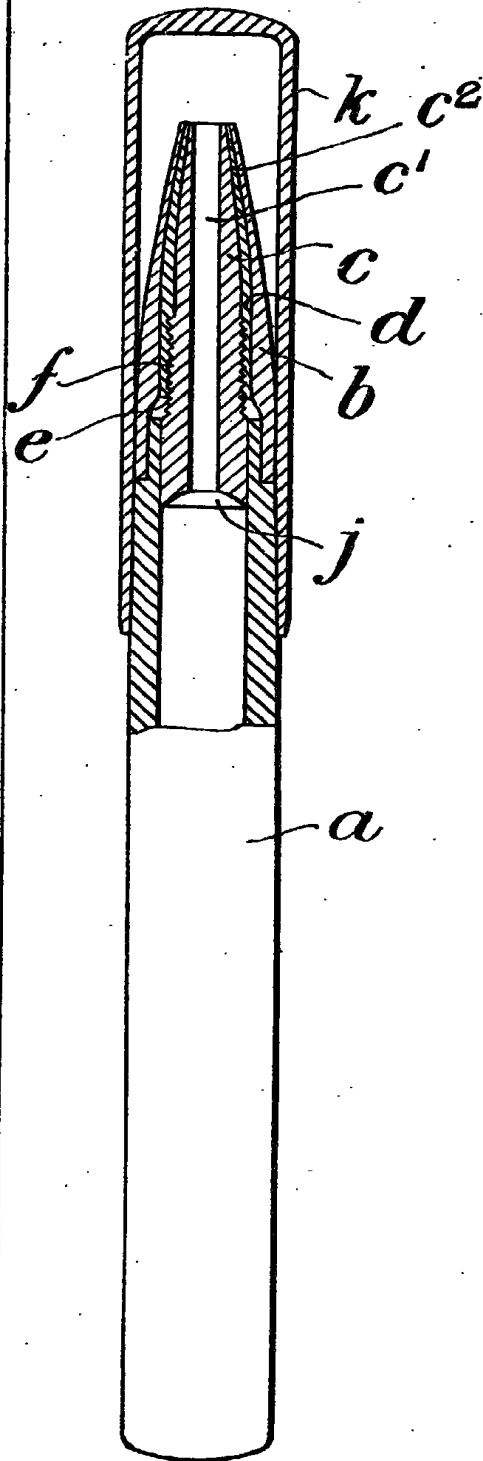
- 5 1. A magazine pencil comprising a barrel piece adapted to form a magazine and a nose piece both of wood, or other non-metallic substance a split sheath fixed to the barrel piece and a coned piece of metal secured within the nose piece said nose piece being adapted to close the sides of the split sheath on to the lead and characterised in that the split sheath though having a cylindrical bore throughout its length is tapered on its outer surface towards the point of
10 the pencil and in that the coned piece is tapered on its inside to coact with the taper on the split sheath.
2. A magazine pencil as claimed in Claim 1 characterised in that the sheath and cone piece are provided with threads so that one may be screwed on to the other to effect the clamping action required to hold the lead.
- 15 3. A magazine pencil as claimed in Claim 1 characterised in that the nose piece and barrel piece are provided with threads so that one may be screwed on to the other to effect the clamping action.
4. The magazine pencil constructed arranged and adapted for use substantially as described with reference to the accompanying drawings.

20 Dated this 5th. day of June, 1914.

MEWBURN, ELLIS & PRYOR,
70 & 72, Chancery Lane, London, W.C.,
Chartered Patent Agents.

Fig. 1.

Fig. 2.



[This Drawing is a full-size reproduction of the Original.]

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