H. A. VEAZIE.

PENCIL.

APPLICATION FILED DEC. 6, 1910.

1,012,765. Patented Dec. 26, 1911.

Fig. 1.

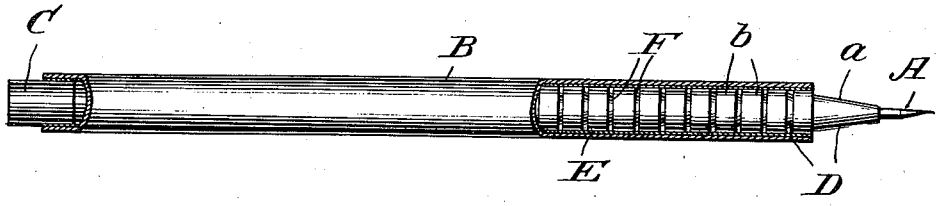


Fig. 2

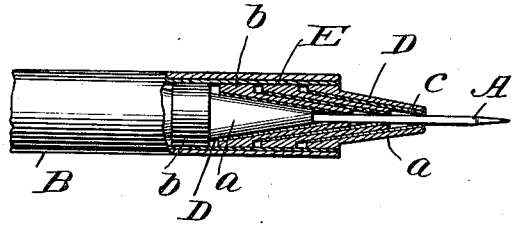


Fig. 3.

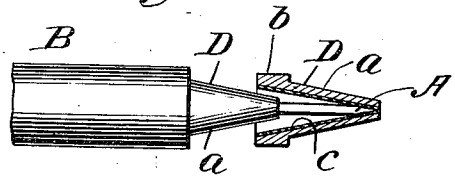


Fig. 4.

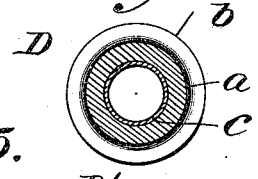
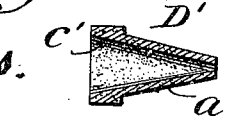


Fig 5.



Witnesses

Phil E. Barnes.

W. C. Healy

Inventor

Henry A. Veazie,

By James Shumway & Co., Attorneys.

UNITED STATES PATENT OFFICE.

HENRY AUGUSTUS VEAZIE, OF NEW ORLEANS, LOUISIANA.

PENCIL.

1,012,765. Specification of Letters Patent. Patented Dec. 26, 1911.

Application filed December 6, 1910. Serial No. 595,893.

To all whom it may concern:

Be it known that I, HENRY A. VEAZIE, a citizen of the United States, residing at New Orleans, in the parish of Orleans and State of Louisiana, have invented new and useful Improvements in Pencils, of which the following is a specification.

My invention pertains to pencils, and more particularly to pencils of that type made up of a continuous lead, nested conical members surrounding the lead, and an outside wrapper or covering surrounding the nested conical members and adapted to be readily severed at the points where the nested conical members are adapted to be separated.

The object of the invention is the provision in a pencil of the stipulated type, of members adapted when removed from the remainder of the pencil to be compressed between the thumb and finger of an operator, and having means on their inner sides for sharpening the lead, this in order that subsequent to the removal of any one of the members the same may be compressed on the end of the lead and then by turning either the member or the lead the end of the lead may be expeditiously and easily provided with a sharp point.

With the foregoing in mind the invention will be fully understood from the following description and claims when the same are read in connection with the drawings, accompanying and forming part of this specification, in which:

Figure 1 is a side elevation of the pencil constituting the preferred embodiment of my invention, with portions of the outside wrapping or covering removed. Fig. 2 is an enlarged detail view, partly in elevation and partly in section, and illustrating the relative arrangement of the lead, the nested members and the outside wrapper or covering. Fig. 3 is an enlarged detail view, partly in elevation and partly in section, illustrating the manner in which a member subsequent to its removal from the outside wrapper or covering may be employed to provide the end of the lead with a point. Fig. 4 is an enlarged cross-section of one member of the pencil, and Fig. 5 is a longitudinal section of a modified member hereinafter referred to in detail.

Referring by letter to the said drawings, and more particularly to Figs. 1 to 4 thereof: A is the continuous lead of my novel pencil. B is the outside wrapper or covering, which is preferably of paper, and preferably, though not necessarily, of circular form in cross-section. C is a cylinder or plug of rubber or analogous material secured through the medium of adhesive material or other suitable means in the rear end portion of the outside wrapper or covering, and D D are the conical, nested, separable members of the pencil. These members D are identical in construction, and therefore a detailed description of the one shown at the right of Figs. 2 and 3 will suffice to impart a definite understanding of all. The mentioned member D comprises a body *a*, of paper, composition or other material suitable to the purpose, having an exterior flange *b* at its large end, the perimeter of which flange is of about the proportional length illustrated and is parallel to the longitudinal center of the member, and abrading material or means *c* lining the body *a*, preferably throughout the interior of said body, as shown in Figs. 2 and 3. The said abrading or lead pointing means is preferably of sand or emery paper, but I desire it distinctly understood that it may be of any other description compatible with the purpose of my invention without involving departure from the scope thereof as defined in the claims appended.

The members D are nested one within the other throughout the length of the pencil, in the manner shown in Fig. 2, and the perimeters of the flanges *b* of the members are connected to the outside wrapper or covering B through the medium of adhesive material or other suitable means indicated by E in Fig. 2. By thus arranging the members D, relative to the continuous lead A and the outside wrapper or covering B, it will be noted that the members D are detachably connected together, that circumferential spaces F are afforded between the flanges of the members, and that opposite the said circumferential spaces the outside wrapper or covering may be readily severed to permit of the forward end member D being detached from the remainder of the members. It will also be noted that the detached member may be pinched or collapsed between the thumb and finger of the operator, and then when the said member is turned about the end portion of the lead A or the said lead is turned in the member pinched or compressed thereon, the abrad-

ing or cutting means *c* in the member will operate to provide the end portion of the lead with a point. Thus subsequent to the detachment of each member D and precedent to throwing the same away, each member may be utilized to expeditiously and easily point the lead, and this without liability of the operator soiling his or her fingers. When desired a knife alone may be used to provide the lead A with a point.

In the modification shown in Fig. 5, the member D′ comprises a body *a′* of paper pulp or equivalent material, and the abrading or cutting means *c′* is formed by particles of emery or like material embedded in the body *a′* at the time of manufacture. When the pencil is made up of a plurality of nested members D′ in combination with a continuous lead and an outside wrapper or covering, the pencil will be possessed of all of the advantages ascribed to the pencil shown in Figs. 1 to 4, and will be adapted to be used in the same manner as the latter.

It will be gathered from the foregoing that my novel pencil is susceptible of being quickly and easily manufactured and that it is quite as light and inexpensive as the pencils extant of a corresponding type.

The construction herein illustrated and described constitutes the best embodiment of my invention of which I am cognizant, but it is obvious that in the future practice of the invention such changes or modifications may be made as fairly fall within the scope of my invention as expressed in the claims appended. For instance, while I have shown the pencil as circular in cross-section, it may be of any other desired shape in cross-section without affecting my invention.

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

1. In a pencil of the kind described, the combination of a piece of marking substance, separable and collapsible members, of general cone-shape, nested one within the other and directly surrounding the said piece of marking substance and each having on its inner side means for sharpening the end of the piece of marking substance when the member is pinched and worked about said end, and an outside wrapper connected to the outer sides of the members and adapted to be severed at the points where said members are separated.

2. In a pencil of the kind described, the combination of a piece of marking substance, and a body surrounding said piece of marking substance and comprising a cone-shaped member, of collapsible material, detachably connected to said body and adapted when detached to be pinched or compressed between the fingers and having on its inner side abrasive means, for the purpose set forth.

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

HENRY AUGUSTUS VEAZIE.

Witnesses:
SAML. HIRSCH,
LOUIS TEISSIER.