

R. D. LEARY.
TOILET ARTICLE.
APPLICATION FILED DEC. 29, 1913.

1,134,467.

Patented Apr. 6, 1915.
2 SHEETS—SHEET 1.

Fig. 1.

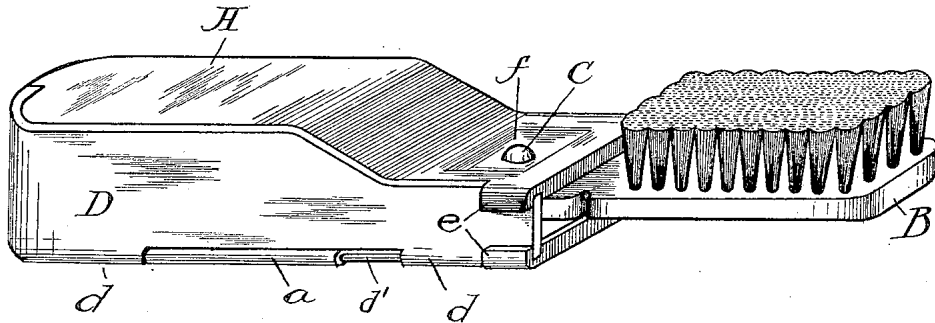


Fig. 2.

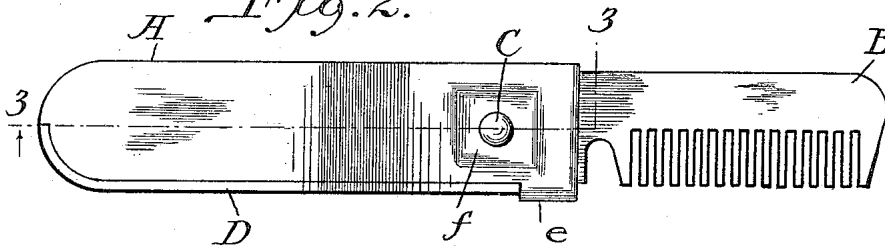


Fig. 3.

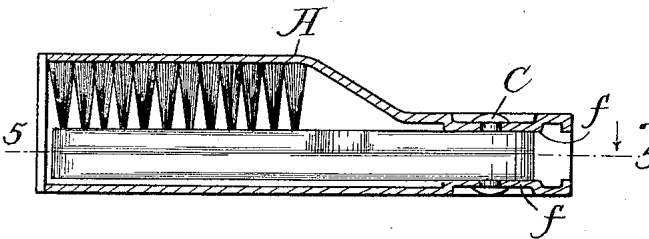
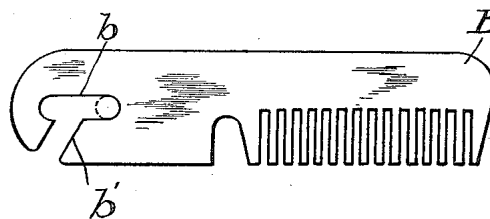


Fig. 4.



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2 SHEETS—SHEET 2.

Fig. 5.

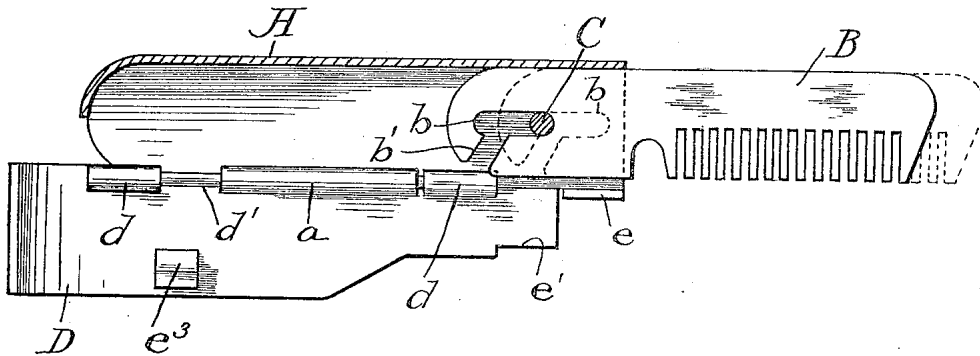


Fig. 6.

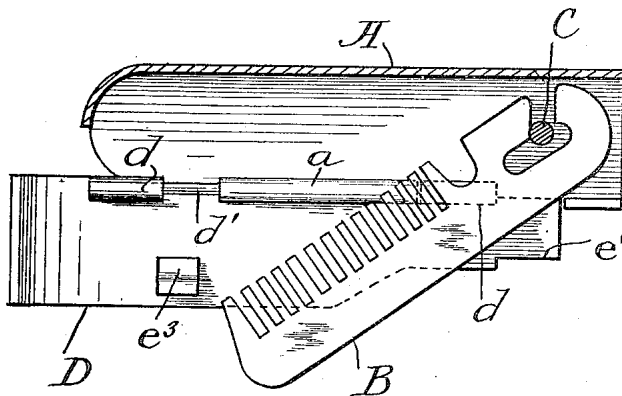
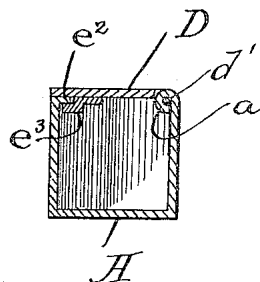


Fig. 7.



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UNITED STATES PATENT OFFICE.

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TOILET ARTICLE.

1,134,467.

Specification of Letters Patent.

Patented Apr. 6, 1915.

Application filed December 29, 1913. Serial No. 809,154.

To all whom it may concern:

Be it known that I, ROBERT D. LEARY, a citizen of the United States, residing in the city of Worcester, county of Worcester, State of Massachusetts, have invented a certain new and useful Toilet Article, of which the following is a specification.

This invention is a toilet article and relates, more particularly, to devices wherein the operable portion thereof *e. g.*, a brush, comb, etc., is made readily detachable from a permanent handle whereby such operable member may be replaced or renewed. The operable member is foldable within the handle, thereby producing a very compact and sanitary article.

The present invention embodies improvements in toilet articles of the character set forth and claimed in my co-pending application Serial No. 720,453.

Among the novel features of the invention may be mentioned, first, a slotted connection between the operating member and the handle, consisting, preferably, of a two-way slot in the operable member adapted for detachable connection with a pintle on the handle; second, a plurality of operable members, *e. g.*, a brush and comb, detachable from, and foldable within, a common handle, and, third, an improved closure for the casing which constitutes the handle of the article.

Features of the invention, other than those specified, will be apparent from the hereinafter detailed description taken in conjunction with the accompanying drawings.

In the accompanying drawings, I have illustrated one practical embodiment of the invention, but the construction shown therein is to be understood as illustrative, only, and not as defining the limits of the invention.

Figure 1 is a perspective view illustrating the form of my invention wherein a comb and brush are mounted on a common handle, this view showing the brush in operative position, while the comb is folded within the handle. Fig. 2 is an edge view of the form of the invention illustrated in Fig. 1, the comb being in operative position and the brush positioned within the casing. Fig. 3 is a central, longitudinal section through the handle, showing both the comb and brush in closed position therein, said section being taken on line 3—3 of Fig. 2. Fig. 4 shows one of the toilet articles detached from the handle and illustrates my improved means

for detachably connecting said article to the handle. Fig. 5 is a section taken in the plane of the line 5—5 of Fig. 3, showing the comb in position for use, the closure for the casing which comprises the handle being shown in its opened position. Fig. 6 is a section like unto that shown in Fig. 5, the comb being shown in the position for ready detachment from the handle, and Fig. 7 is a transverse section through the handle, illustrating means whereby the closure therefor may be held in closed position.

Referring to said drawings, A designates a casing which, according to my invention, constitutes the handle for one or more toilet articles. I have illustrated, in the drawings, a casing of such dimensions and shape as to be adapted for use as a handle for two toilet articles, namely, a comb B, and a brush B'. One end of the comb and of the brush is secured to the handle by means of a pintle C, mounted on the handle, with which pintle coöperates improved attaching means hereinafter more fully described.

The handle A, is constructed in the form of a casing shaped to best receive the toilet articles with which it is adapted for use and, in the preferred form, is provided on one of its edges with a combined sliding and pivoted closure D. The closure D is pivoted to the casing by coöperating rolled, hinge members *a, d*, formed on the casing and on the closure, respectively, through which passes a pin *d'*. The closure is thus adapted for pivotal movement relative to the casing and a portion of the hinge member *a* is cut away at one end to allow of sliding movement of the closure. That end of the casing to which the toilet articles are pivoted is provided with complementary laterally and inwardly extending lips *e*, and the closure is cut away, as at *e'*, so that, when said closure is slid toward the end of the casing to which is pivoted the toilet articles, the cut-away portion of said closure passes between and beneath the lips *e*, thereby maintaining it against pivotal movement on the hinge members. For the purpose of still further locking the closure D to the casing, I, preferably, form an intumed lip *e²* on the casing with which a keeper *e³*, fixed on the closure, coöperates. Thus, when the closure is slid forwardly, it is tightly maintained against pivotal movement by the lips *e, e²*.

Having described the construction of the casing A, which forms the handle of the implement, the improved and novel manner

in which I detachably connect the toilet articles thereto will next be considered. Both the brush and comb are secured to the handle in like manner and thus, for clearness and simplicity of description, I will simply set forth the manner in which the comb is attached, it being understood that the brush is similarly secured to the handle.

The comb B is provided, near its rearward end, with a slot *b*, which extends longitudinally of the comb and preferably near the medial line thereof, and intermediate the ends of this slot is a secondary slot *b'*, which opens communication between the slot and the outer edge of the comb. When it is desired to insert the comb into the handle, the closure D thereof is swung back on the hinge members and the comb placed in a position similar to that illustrated in Fig. 6 of the drawings, whereupon the slot *b'* may be passed over the pintle C, to allow said pintle to enter the slot *b*, after which the comb may be swung outwardly into operative position or folded within the handle. When the comb is swung into operative positions, it is revolved on the pintle C, into the dotted line position illustrated in Fig. 5, after which a push on the comb, in a longitudinal direction, causes the comb to move rearwardly until the pintle C, engages the blind end of the slot *b*, and the comb assumes the position illustrated in full in Fig. 5. The comb is, preferably, made of such width that the distance between the slot and the back edge of the comb is substantially equal to the distance between the pintle and the fixed wall of the casing A. Thus, when the comb has been moved to the operative position illustrated in Fig. 5, its rear will engage the fixed wall of the casing and will be held thereagainst by the pintle C, whereby pivotal movement of the comb on the pintle is precluded and the comb rigidly fixed for the operation of combing the hair. The locking of the comb in position having been accomplished, the closure D, is swung shut and slid into its locked position, thereby further locking the comb rigidly to the handle.

When it is desired to fold the comb into the casing for convenience in transportation, or any other reason, the foregoing operation of bringing the comb into operative position is reversed, the comb being swung into the casing, as illustrated in Fig. 3 of the drawings. It will be manifest that, when the comb is in use, the brush is, preferably, left within the casing and, in like manner, when the brush is being utilized, the comb is in its closed form.

When a casing of the type hereinbefore described is utilized, I have found it advisable to form bosses *f, f*, which project on the interior of the casing, and the pintle C extends through these bosses. The faces of

bosses *f, f*, form the bearing surfaces adjacent either face of the toilet articles and allow the same to be folded into, or out of, the casing without coming into contact with the lips *e*, which retain the closure D in closed position.

The foregoing description sets forth the form of the invention wherein a plurality of toilet articles may have a common handle; yet in many cases, I have but a single article coöperating with the handle as aforesaid. Thus, a tooth brush, or other toilet article, may be separately pivoted to a handle consisting of a casing and may be foldable therein and detachable therefrom, according to my invention.

While I have illustrated and described a casing embodying my preferred form of construction, the adaptation of the present invention is not limited to this specific form, since, clearly, the particular form and construction of the handle member may be varied to suit various conditions.

The device of the present invention provides a neat, compact and sanitary toilet article which may be readily carried in the pocket or valise, without danger of injuring the operable member thereof; is simple, highly efficient and economical to manufacture; and my improved means of detachably securing the operable member to the handle makes it possible to renew or clean said operable member at will.

It will be obvious that the present invention embodies numerous features of construction and that, manifestly, some of these features may be employed separately in the manufacture of devices of the class described, without necessarily employing all.

Having thus fully described the invention, what I claim as new and desire to secure by Letters Patent, is:—

1. A toilet article provided with a longitudinally extending slot, a handle for said article embodying a casing provided in its interior with a pintle, said toilet article being cut-away for a portion of its extent between the slot and at one of its lateral edges so as to permit the pintle in the handle to enter the slot, whereupon the longitudinal shifting of the toilet article brings one of its lateral edges into engagement with the interior of the handle, while the pintle is extending through the slot, whereby said toilet article is rigidly locked against pivotal movement on the pintle.

2. A toilet article provided with a two-way slot, a handle for the article embodying a casing, a pintle within said handle, the slot in the toilet article being adapted to be passed over the pintle in the handle, and the toilet article thereafter moved longitudinally within the handle for a portion of its extent to permit a portion of one of the lateral edges of the toilet article to engage with the

interior of the casing while the pintle is extending through the slot, whereby the toilet article is rigidly locked to said handle against pivotal movement in either direction.

5 3. A toilet article having a slot, and a handle for said toilet article, which handle is provided with a pintle adapted to cooperate with the slot of the toilet article, whereby said toilet article is mounted for pivotal
10 movement in the handle, said handle being hollow, a sliding closure for said handle, which closure, when in its closed position, serves to maintain the toilet article against pivotal movement on the pintle.

15 4. A toilet article provided with a two-way slot one portion of which extends longitudinally of the toilet article and the other transversely thereof, a handle for said toilet article, a pintle mounted on the handle and
20 adapted to cooperate with the slot in the toilet article, whereby the longitudinal movement of the toilet article, with the pintle in the longitudinal portion of the slot thereof, causes one of the edges of the toilet article
25 to engage with the interior wall of the handle for the purpose of rigidly precluding pivotal movement of the toilet article in either direction, said toilet article being shiftable to a position in angular relation to the handle to allow of its removal from the
30 pintle.

5 5. A toilet article provided with a slot, a handle for said toilet article, and a pintle mounted on the handle and adapted to co-
35 operate with the slot in the toilet article, said pintle being mounted in such position within the handle that when the toilet article is positioned on the pintle one edge thereof will engage with the handle, whereby the
40 movement of the toilet article longitudinally of its length causes one of its lateral edges to contact with the casing of the handle, while the pintle is extending through the slot for the purpose of rigidly locking the
54 toilet article against pivotal movement on the pintle, and said toilet article being cut-away for a portion of its extent between the slot and one of its lateral edges, whereby it may be removed from the pintle.

50 6. A toilet article provided with a slot, a handle for said toilet article, a pintle mounted on the handle and adapted to cooperate with the slot in the toilet article, said pintle being positioned at a distance from one side
55 of the handle equal to the distance from the slot in the toilet article to one of the lateral edges thereof, whereby the movement of the toilet article longitudinally of its length causes one of its lateral edges to contact with the casing of the handle, while the pintle is
60 extending through the slot, for the purpose of locking the toilet article against pivotal

movement on the pintle, and a sliding closure for the handle, said closure being adapted, when slid into closed position, to engage
65 the opposite lateral edge of the toilet article from that resting against the casing of the handle, for the purpose of more rigidly securing the toilet article against pivotal movement.

70 7. A toilet article provided at one end with a two-way slot, one portion of which extends longitudinally of the article, and the other portion thereof extends transversely of the article and opens communication between
75 the longitudinal reach of the slot and the lateral edge of the toilet article, a hollow handle for said toilet article, and a pintle positioned within the handle whereby, upon the manipulation of the toilet article to place
80 it in a position in angular relation to the longitudinal axis of the handle, the pintle is adapted to enter the longitudinal reach of the slot, the toilet article thereafter being adapted to be folded within said handle or
85 swung to an exterior position in alinement therewith, whereupon the longitudinal movement of the toilet article causes the pintle to travel longitudinally of the slot, and thereby lock the toilet article against pivotal move-
90 ment on said pintle.

8. A toilet article having a slot extending longitudinally thereof, a handle for said toilet article, which handle is in the form of a casing provided in its interior with a
95 pintle, the toilet article being cut-away for a portion of its extent between the slot at one of its lateral edges whereby the pintle in the handle may enter the slot, whereupon the longitudinally shifting of the toilet arti-
100 cle brings its uncut lateral edge into engagement with the interior of the handle while the pintle is extending through the slot for the purpose of rigidly locking said toilet article against pivotal movement on the
105 pintle.

9. A toilet article having a slot extending longitudinally thereof, a handle for said toilet article, which handle is provided with a pintle, the toilet article being cut-away for
110 a portion of its extent between the slot at one of its lateral edges, whereby the pintle of the handle may enter the slot, whereupon the longitudinal shifting of the toilet article causes it to cooperate with the handle and
115 with the pintle to rigidly lock said toilet article against pivotal movement on the pintle.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ROBERT D. LEARY.

Witnesses:

CHARLES F. CAMPBELL,
MARY JOYCE.