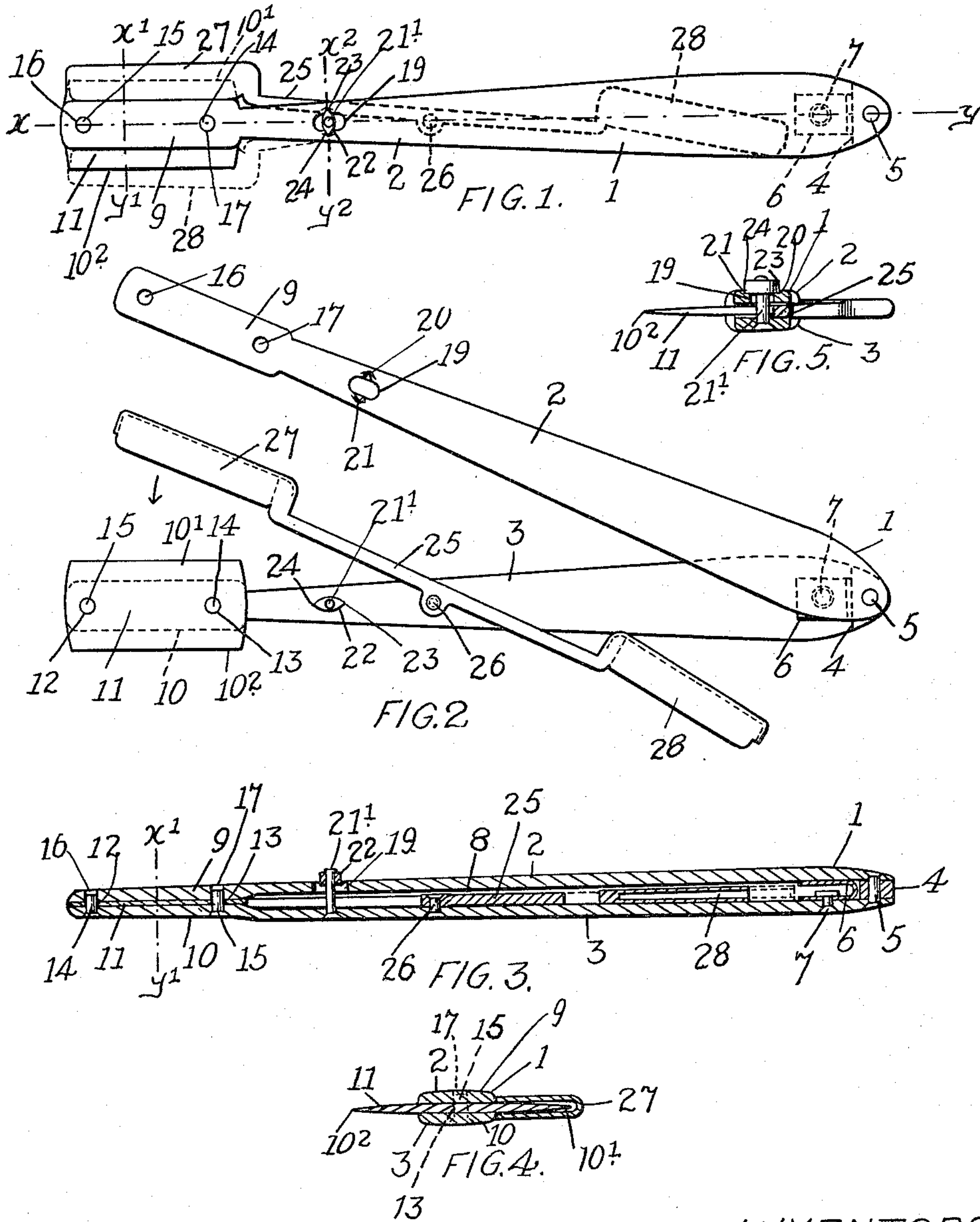


A. F. COLLINS & C. C. CRAIG.
SAFETY RAZOR BLADE HOLDER.
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1,155,132.

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WITNESSES.

Lawrence V. Head

H. J. Young

INVENTORS.

ALFRED F. COLLINS.

CLAUD C. CRAIG.

by *Fetherstonhaugh & Co*
attys.

UNITED STATES PATENT OFFICE.

ALFRED FRANK COLLINS, OF TORONTO, ONTARIO, AND CLAUDE CROSBY CRAIG, OF WINNIPEG, MANITOBA, CANADA.

SAFETY-RAZOR-BLADE HOLDER.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that we, ALFRED FRANK COLLINS, of the city of Toronto, in the county of York, in the Province of Ontario, Canada, and CLAUDE CROSBY CRAIG, of the city of Winnipeg, in the Province of Manitoba, Canada, have invented certain new and useful Improvements in Safety-Razor-Blade Holders, of which the following is the specification.

Our invention relates to improvements in safety razor blade holders and the object of the invention is to devise a convenient means for holding a blade of a safety razor during the operation of stropping the blade and for preventing the opposite edge of the blade, not operated upon by the strop, from catching in and cutting the strop and it consists essentially of a handle member divided into two portions, resilient means for connecting the portions together at one end, releasable locking means for holding the opposite ends of such portions together against each side of the blade so as to grip the same and a shield member designed to form a removable cover extending alternately either over one edge of the blade or the other as hereinafter more particularly explained by the following specification.

Figure 1 is a plan view of our device in position ready for operation. Fig. 2, is a similar view to Fig. 1 showing the parts in the open position. Fig. 3 is a longitudinal section on line $x-y$ Fig. 1. Fig. 4, is a cross section on line $x'-y'$ Figs. 1 and 3. Fig. 5, is a cross section on line x^2-y^2 Fig. 1.

In the drawings like letters of reference indicate corresponding parts in each figure.

1 indicates a divided handle comprising two portions 2 and 3.

4 indicates a separating portion inserted between the portions 2 and 3 at one end of the handle 1.

5 indicates a rivet extending through the separating portion 4 and the corresponding ends of the handle portions 2 and 3.

6 indicates a spring preferably U-shaped in form when compressed and connected to the handle portion 3 by a rivet 7.

It will be noticed particularly on referring to Fig. 3, that the major portion of the handle portions 2 and 3 are separated apart so as to provide an intervening space 8. The

outer ends of the portions 2 and 3 are provided with enlarged flattened portions 9 and 10.

11 indicates an ordinary safety razor blade provided with the usual orifices 12 and 13.

14 and 15 indicate pins or projections extending upwardly from the portion 10 through the orifices 12 and 13 of the blade.

16 and 17 indicate orifices formed in the portion 9 in alinement with the projections 14 and 15 and into which the projections extend when the device is in the closed position.

19 indicates a slot formed in the portion 2 and extending longitudinally thereof.

20 and 21 indicate depressions formed in the portion 2 upon each side of the slot 19.

21' indicates a rivet extending upwardly from the portion 3 through the slot 19 when the device is in the closed position.

22 indicates a turn button provided with tapered ends 23 and 24 designed to fit, when the device is in the closed position, in the depressions 20 and 21 located at each side of the slot 19. It will, of course, be understood that the sides of the depressions 20 and 21 are inclined so as to allow the button to be forced outwardly therefrom when the button is given a turning movement.

25 indicates an arm.

26 indicates a rivet secured in the portion 3 of the handle intermediately of its length and upon which the arm 25 is swung intermediately of its length.

27 and 28 indicate shields substantially U-shape in cross section as shown particularly in Fig. 4. The shield portions 27 and 28 are set reversely so that by swinging the arms 25 horizontally the shield portion 27 may be carried over the cutting edge 10' of the blade 11 and the shield 28 similarly carried over the cutting edge 10² of the blade 11.

Having described the principal parts involved in our invention we will briefly describe the operation of the same. When it is desired to sharpen the blade of a safety razor all that it is necessary to do is to place it in the position shown in Fig. 2, the projections 14 and 15 extending through the orifices 12 and 13. The handle portion 2 is then swung on the rivet 5 over the handle portion 3, the portions 2 and 3 being then

forced together compressing the spring 6 until the upper ends of the projections 14 and 15 extend through the orifices 16 and 17.

It will, of course, be understood that the button 22 is turned so as to pass through the longitudinal slot 19 during the above operation, and that, therefore, when the portions 2 and 3 of the handle 1 are forced together the button 22 is clear of the outer face of the handle portion 2. The button is then given a quarter turn until the tapered ends 23 and 24 thereof engage in the depressions 20 and 21.

When the device is in the closed position the arm 25 is free to swing between the portions 2 and 3. If it is desired to strop the edge 10² of the blade 11 the shield portion 27 is swung in the direction of arrow (see Fig. 2 of the drawings) until such shield portion is brought into the position shown by full lines in Figs. 1 and 4.

If it is desired to strop the edge 10' of the blade 11 all that it is necessary to do is to swing the shield portion 27 in the opposite direction to arrow thus carrying the shield portion 28 over the cutting edge 10² to protect the same. It will be readily seen that each shield portion is provided with a rounded outer edge forming the base of the U forming the portion 27. These rounded portions serve as a bearing on the strop when the blade is being turned for the reverse stroke thereby preventing the edge of the blade coming in contact with the strop and would, therefore, be very liable to cut

or otherwise spoil the surface of the strop and at the same time protects the cutting edge of the blade from injury.

What we claim as our invention is:—

1. A safety razor blade holder comprising a handle member, means for securing the blade to one end of the handle member so that the edges project laterally therefrom, a shield supporting member movably carried by the handle member and shield members carried at the ends of the supporting member and reversely set one to the other so as to alternately cover the edges of the blade when the supporting member is moved into the required position.

2. A razor blade holder comprising a handle member formed by two portions connected together at one end, means for securing the blade of a razor between the opposite ends of such portions, an arm swung between the portions intermediately of its length, and reversely set shield members, one shield member being carried at each end of the arm and designed to alternately cover the opposite cutting edges of the razor blade, as and for the purpose specified.

ALFRED FRANK COLLINS.

Witnesses:

B. BOYD,

E. PENNOLK.

CLAUDE CROSBY CRAIG.

Witnesses:

WILSON R. PEACOCK,

N. FINCH.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."