

No. 724,702.

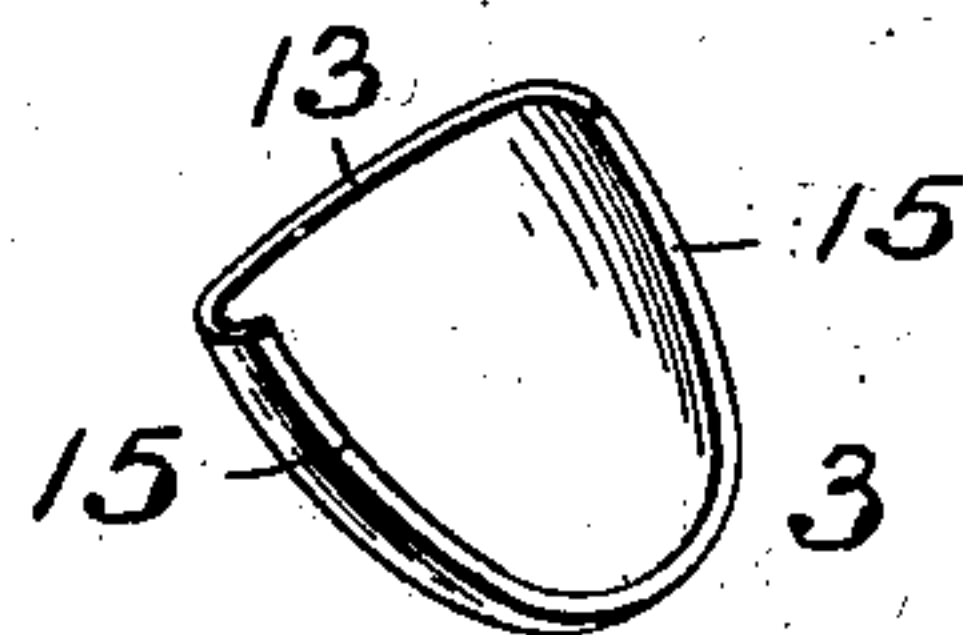
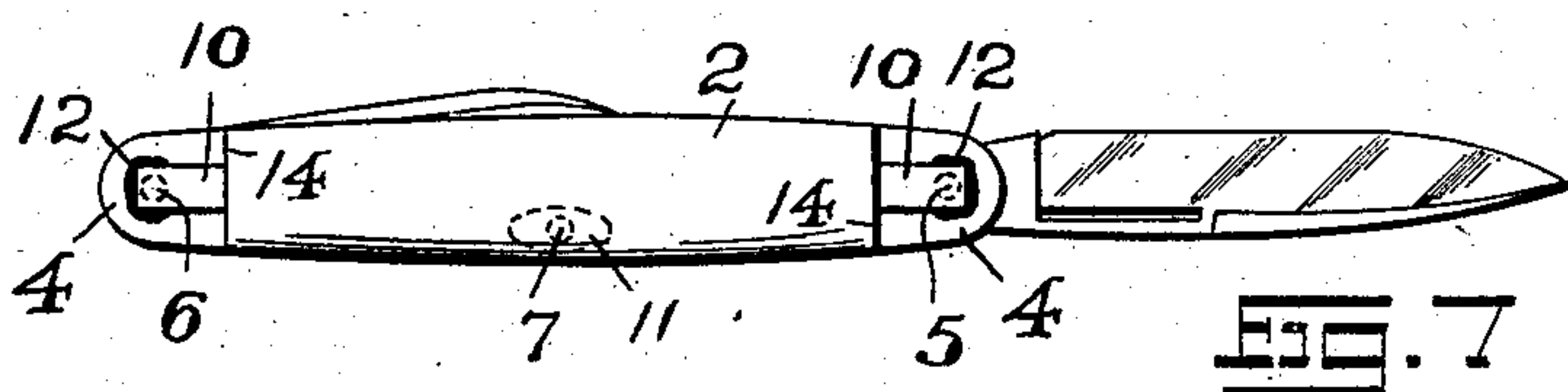
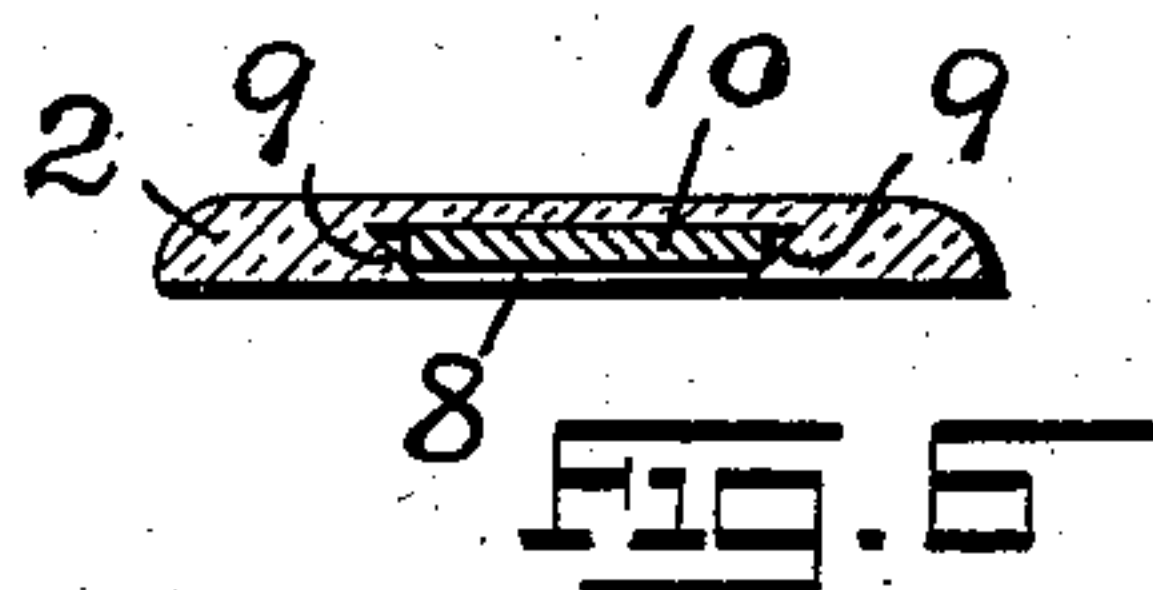
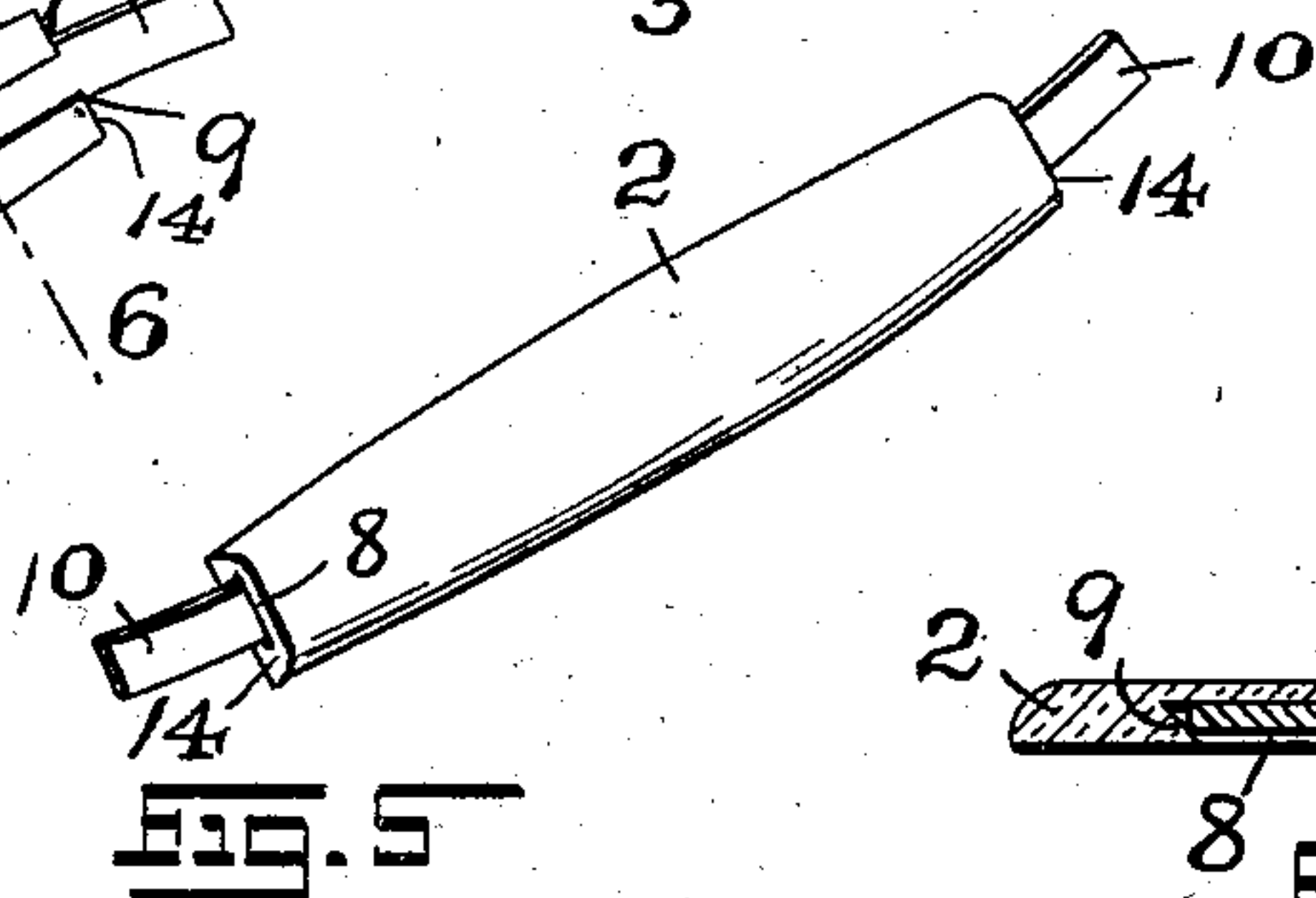
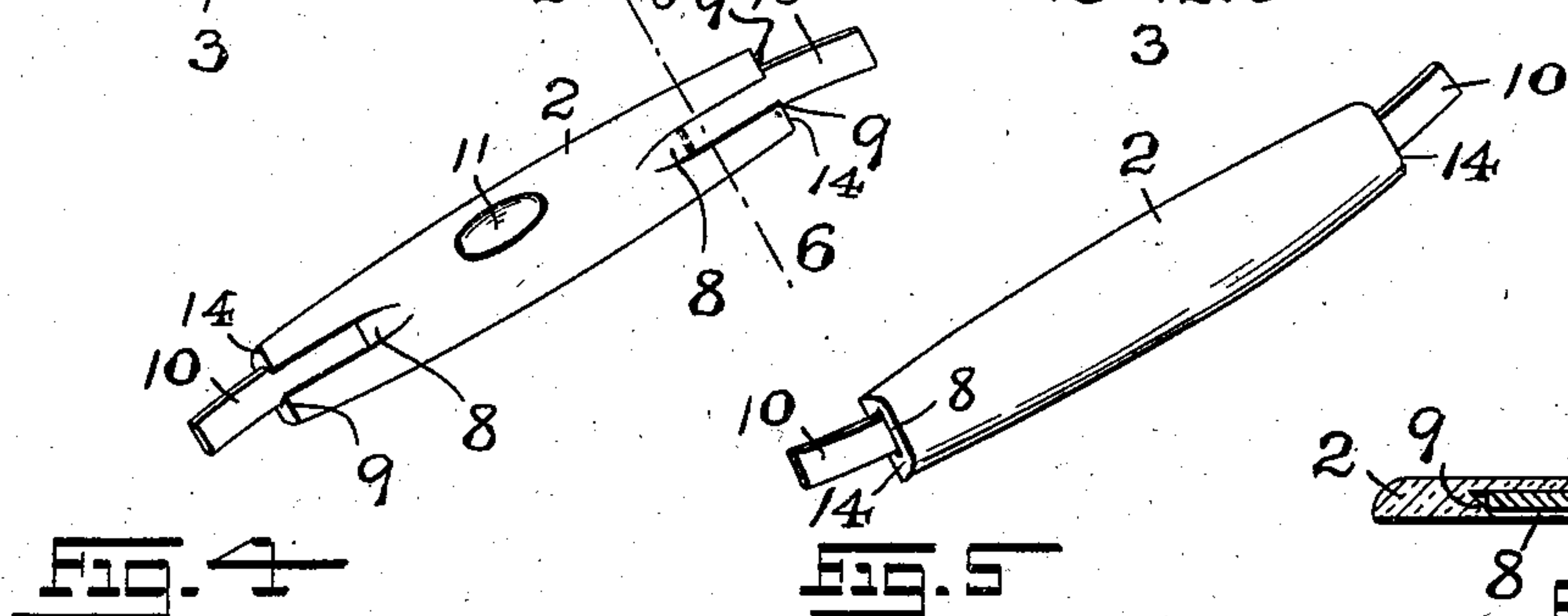
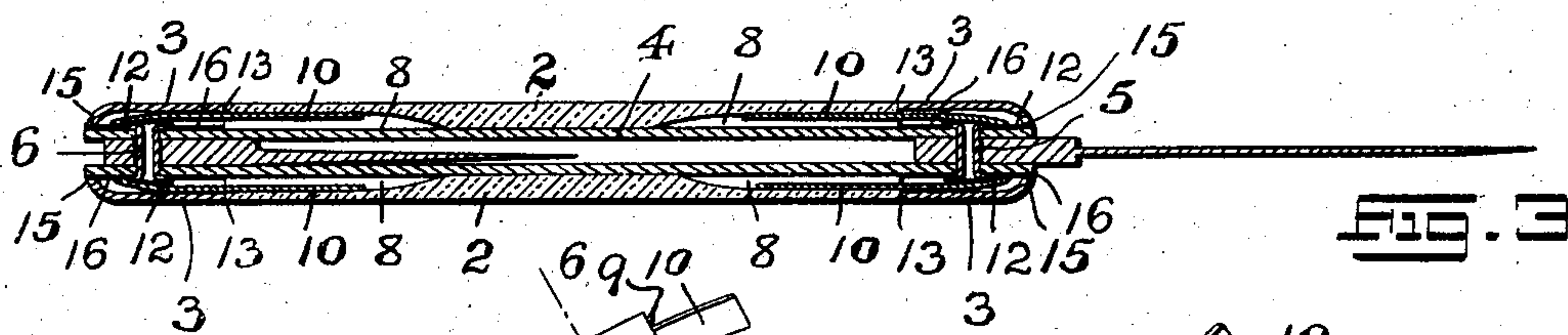
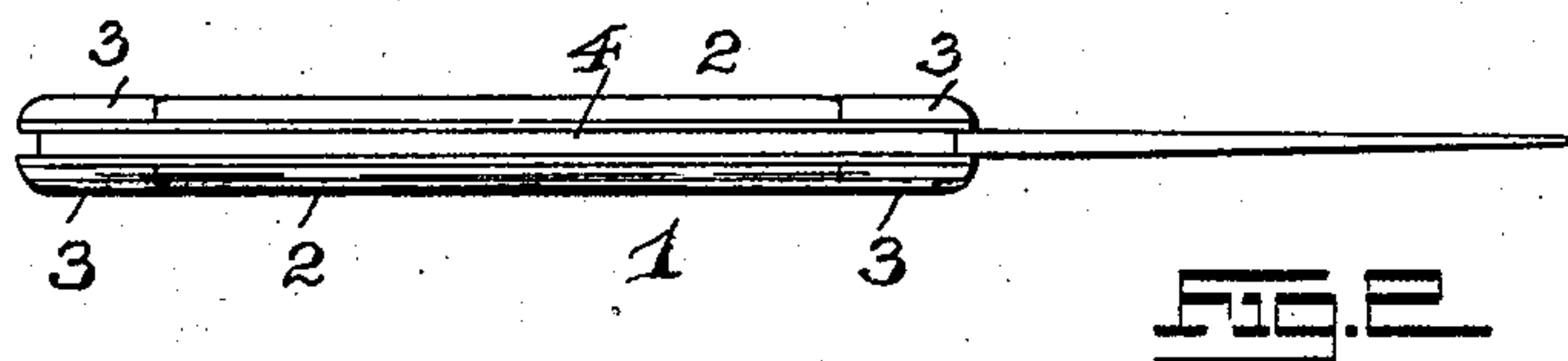
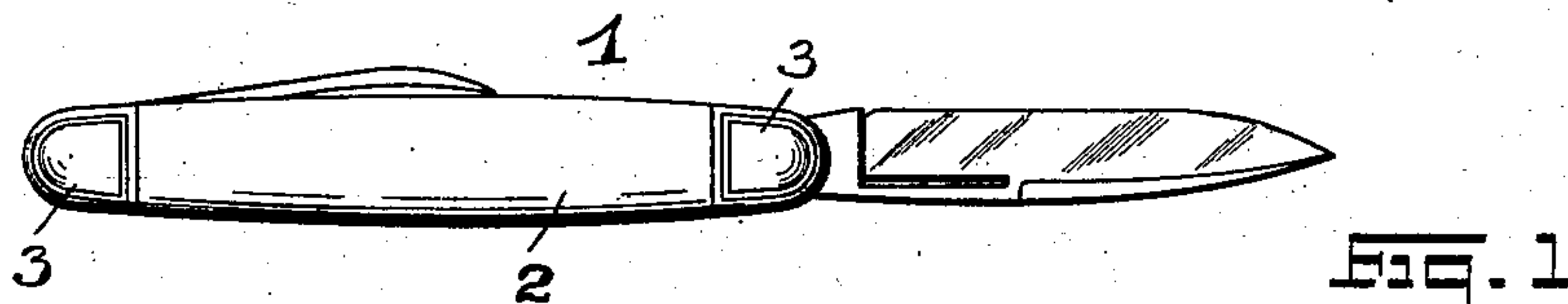
PATENTED APR. 7, 1903.

E. H. J. HUEBNER.

MEANS FOR ATTACHING FACE PLATES TO KNIFE BLADE CASINGS.

APPLICATION FILED AUG. 8, 1902.

NO MODEL.



WITNESSES:

Geo. S. Richards
Harrie Holman

FIG. 8

INVENTOR:

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BY

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UNITED STATES PATENT OFFICE.

ERNST H. J. HUEBNER, OF NEWARK, NEW JERSEY.

MEANS FOR ATTACHING FACE-PLATES TO KNIFE-BLADE CASINGS.

SPECIFICATION forming part of Letters Patent No. 724,702, dated April 7, 1903.

Application filed August 8, 1902. Serial No. 118,840. (No model.)

To all whom it may concern:

Be it known that I, ERNST H. J. HUEBNER, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Means for Attaching Face-Plates to Knife-Blade Casings; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to figures of reference marked thereon, which form a part of this specification.

The present invention has reference generally to improvements in knives, and more especially to pocket-knives which are provided with face-plates of pearl, tortoise-shell, or imitations thereof.

My present invention has for its principal objects to provide a novel means for attaching such face-plates of pearl, tortoise-shell, and imitations thereof to the frame or casing in which the knife blade or blades are arranged without the use of cement or the usual pins or rivets for securing the face-plates in position, and, furthermore, to provide a neat, simple, and cheaply-constructed means for attaching such face-plates against the sides of the frame or casing of the knife.

My invention therefore consists in the novel means for attaching pearl, tortoise-shell, and other similar face-plates or imitations thereof to the sides of the metallic frame or casing of the knife, with a view also of preventing the cracking or breaking of the face-plates at the pins or rivets due to contraction and expansion of the face-plates or other causes, and thereby avoiding an unsightly appearance.

The invention consists, furthermore, in the various novel arrangements and combinations of parts, all of which are hereinafter more fully described and then embodied in the clauses of the claim, which are appended to and form a part of this specification.

The invention is clearly illustrated in the accompanying drawings, in which—

Figure 1 is a face view of a pocket or other similar knife embodying the principles of this invention, and Fig. 2 is a top edge view

of the back of the same. Fig. 3 is a horizontal section of the metallic frame or casing for the knife blade or blades and horizontal sections of the two face-plates, illustrating the novel means of attachment of the said face-plates upon the sides of the knife-blade frame or casing, the said view being made on an enlarged scale. Figs. 4 and 5 are two perspective views of one of the shell or other face-plates provided with projecting end pieces of metal for securing the said face-plates upon the sides of the knife-blade frame or casing; and Fig. 6 is a transverse section, taken on line 6 6 in Fig. 4. Fig. 7 is a side or face view of the knife-blade frame or casing and the pearl or other face-plate secured in position upon the same in the manner of the present invention, but the end pieces being omitted from this view. Fig. 8 is a perspective view of one of the metallic end caps employed with the said face-plates for covering the end pieces thereof and producing an ornamental finish.

Similar characters of reference are employed in all of the said hereinabove-described views to indicate corresponding parts.

Referring now to the said drawings, the reference character 1 indicates the finished knife, 2 the face-plates of pearl, tortoise-shell, or any other and similar material adapted to be secured upon the opposite sides of the knife-blade frame or casing, and 3 indicates suitable metallic end caps, which may be suitably ornamented and all being arranged to produce a knife of a greatly-enhanced appearance and one in which the ends of the riveting-pins, as in pocket-knives as now generally made, are not exposed to view and in which such pins or rivets are entirely dispensed with.

The knife-blade frame or casing 4 is made in the usual manner, the frame-pieces and the knife-blades being operatively secured together in the well-known manner by means of the usual pins 5 and 6, the parts being also held at the back by means of a pin or rivet 7, as clearly illustrated.

Each face-plate 2, of pearl, tortoise-shell, or other similar material, such as horn or bone or celluloid or the like, is made at its respective end portions and in the back, as shown, with the longitudinally-extending

grooves or channels 8, each of which is made with the undercut parts 9, forming suitable holding edges for retaining an end piece or band 10, of spring metal, in each groove or channel 8. Each end piece or band 10 is slightly curved or bent, as shown in Figs. 3, 4, and 5 of the drawings, and the shell face-plate 2 is also made in its back surface with a recess or depression 11, the purpose of which is that the rear or back surface of the face-plate 2 can be snugly and firmly placed upon the flat surface of the knife-blade frame or casing 4 with the curved or bent end pieces or bands extending directly over the projecting ends or rivet-heads of the pins 5 and 6, and the end or rivet-head of the rivet or pin 7 extending directly into the said recess or depression 11 in the back of the face-plate 2. The face-plate 2 is then secured in its firm and ornamental position against the side or face of the knife-blade frame or casing 4 by the application of solder 12 between the lower surfaces at the ends of the said end pieces or bands 10 and the surface of the knife-blade frame or casing 4, all of which will be clearly understood from an inspection of the drawings, and more especially from Fig. 7 of the same. In order that the exposed ends of said end pieces or bands 10 may be suitably covered and an ornamental finish of the complete knife produced, the ornamental end caps 3, which are preferably struck up from suitable sheet metal, as silver or the like, by means of the proper die, are then arranged over the said ends of the end pieces or bands 10, with their straight edges 13 fitted snugly against the edges 14 of the face-plates 2 and their marginal edges 15 resting directly upon the faces at the ends of the knife-blade frame or casing 4 and secured thereto by means of solder 16, as shown in Fig. 3, or in any other suitable manner.

From the above description it will be clearly evident that I have devised a simple and effective means for attaching pearl, tortoise-shell, and other similar face-plates to the sides of the knife-blade frame or casing, so that there shall be no exposed rivet or pins, and the piercing or drilling of the face-plates is entirely obviated, whereby the danger of breaking the shell plates, as well as the cost of manufacture, is greatly reduced, while at the same time a neat and more finished appearance is the result. Furthermore, it will be clearly evident that in my method of fastening the face-plates upon the knife-blade frame or casing there is no danger of the face-plate splitting or becoming broken due to expansion and contraction against the ends of the rivets or pins, as in those constructions where the said face-plates are secured in place by means of such rivets or pins.

I am aware that some changes may be made in the various arrangements and combinations of the parts without departing from the scope of my invention. Hence I do not limit

my invention to the exact arrangements and combinations of the parts as described in the previous specification and as illustrated in the accompanying drawings, nor do I confine myself to the exact details of the construction of said parts.

Having thus described my invention, what I claim is—

1. In a means for attaching pearl, and other similar face-plates upon the sides of a knife-blade casing, the combination, with said casing of a face-plate, end bands secured to said face-plates and having their end portions extending beyond the ends of said face-plate, and means for securing said projecting ends of the said end bands upon the said knife-blade casing, substantially as and for the purposes set forth.

2. In a means for attaching pearl and other similar face-plates upon the sides of a knife-blade casing, the combination, with said casing, of a face-plate, end bands secured to said face-plate and having their end portions extending beyond the ends of said face-plate, and a solder between the ends of said end bands and the said knife-blade casing for securing said end bands to said casing, substantially as and for the purposes set forth.

3. In a means for attaching pearl and other similar face-plates upon the sides of a knife-blade casing, the combination, with said casing, of a face-plate, end bands secured to said face-plate and having their end portions extending beyond the ends of said face-plate, means for securing said projecting ends of the said end bands upon the said knife-blade casing, and metallic end caps arranged over said projecting ends of the said end bands and secured upon the end portions of the knife-blade casing, substantially as and for the purposes set forth.

4. In a means for attaching pearl and other similar face-plates upon the sides of a knife-blade casing, the combination, with said casing, of a face-plate, end bands secured to said face-plate and having their end portions extending beyond the ends of said face-plate, a solder between the projecting ends of said end bands and the said knife-blade casing for securing said end bands to said casing, metallic end caps arranged over said projecting ends of the said end bands, and a solder between the surrounding edge of said end caps and the knife-blade casing for securing said end caps upon the end portions of the knife-blade casing, substantially as and for the purposes set forth.

5. In a means for attaching pearl and other similar face-plates upon the sides of a knife-blade casing, the combination, with said casing, of a face-plate provided with undercut channels at its respective ends and in the under surface of said face-plate, an end band arranged and held in each channel, said end bands having their end portions extending beyond the ends of said face-plate, and means

for securing said projecting ends of the said bands upon the knife-blade casing, substantially as and for the purposes set forth.

6. In a means for attaching pearl and other similar face-plates upon the sides of a knife-blade casing, the combination, with said casing, of a face-plate provided with undercut channels at its respective ends and in the under surface of said face-plate, an end band arranged and held in each channel, said end bands having their end portions extending beyond the ends of said face-plate, and a solder between the ends of said end bands and the said knife-blade casing for securing said end bands to said casing, substantially as and for the purposes set forth.

7. In a means for attaching pearl and other similar face-plates upon the sides of a knife-blade casing, the combination, with said casing, of a face-plate provided with undercut channels at its respective ends and in the under surface of said face-plate, an end band arranged and held in each channel, said end bands having their end portions extending beyond the ends of said face-plate, means for securing said projecting ends of the said end bands upon the said knife-blade casing, and metallic end caps arranged over said projecting ends of the said end bands and secured upon the end portions of the knife-blades casing, substantially as and for the purposes set forth.

8. In a means for attaching pearl and other similar face-plates upon the sides of a knife-blade casing, the combination, with said casing, of a face-plate provided with undercut channels at its respective ends and in the under surface of said face-plate, an end band arranged and held in each channel, said end bands having their end portions extending beyond the ends of said face-plate, a solder between the projecting ends of said end bands and the said knife-blade casing for securing said end bands to said casing, metallic end caps arranged over said projecting ends of the said end bands, and a solder between the surrounding edge of said end caps and the knife-blade casing for securing said end caps upon the end portions of the knife-blade casing, substantially as and for the purposes set forth.

9. In a means for attaching pearl and other similar face-plates upon the sides of a knife-blade casing, the combination, with the casing and the pins at the respective end portions of the said knife-blade casing, of a face-plate, suitably-curved end bands secured to said face-plate, said bands having their end portions extending beyond the ends of the face-plate and arranged over the slightly-projecting ends of the said pins, and means for securing said projecting ends of the said end bands upon the said knife-blade casing, substantially as and for the purposes set forth.

10. In a means for attaching pearl and other similar face-plates upon the sides of a knife-blade casing, the combination, with the cas-

ing and the pins at the respective end portions of the said knife-blade casing, of a face-plate, suitably-curved end bands secured to said face-plate, said bands having their end portions extending beyond the ends of the face-plate and arranged over the slightly-projecting ends of the said pins, and a solder between the ends of said end bands and the said knife-blade casing for securing said end bands to said casing, substantially as and for the purposes set forth.

11. In a means for attaching pearl and other similar face-plates upon the sides of a knife-blade casing, the combination, with the casing, and the pins at the respective end portions of the said knife-blade casing, of a face-plate, suitably-curved end bands secured to said face-plate, said bands having their end portions extending beyond and secured to said face-plate and arranged over the slightly-projecting ends of the said pins, means for securing said projecting ends of the said end bands upon the said knife-blade casing, and metallic end caps arranged over said projecting ends of the said end bands and secured upon the end portions of the knife-blade casing, substantially as and for the purposes set forth.

12. In a means for attaching pearl and other similar face-plates upon the sides of a knife-blade casing, the combination, with the casing, and the pins at the respective end portions of the said knife-blade casing, of a face-plate, suitably-curved end bands secured to said face-plate, said bands having their end portions extending beyond and secured to said face-plate and arranged over the slightly-projecting ends of the said pins, a solder between the projecting ends of said end bands and the said knife-blade case for securing said end bands to said casing, metallic end caps arranged over said projecting ends of the said end bands, and a solder between the surrounding edge of the end caps and the knife-blade casing, for securing said end caps upon the end portions of the knife-blade casing, substantially as and for the purposes set forth.

13. In a means for attaching pearl and other similar face-plates upon the sides of a knife-blade casing, the combination, with the casing, and the pins at the respective end portions of the said knife-blade casing, of a face-plate provided with undercut channels at its respective ends and in the under surface of said face-plate, and suitably-curved end bands arranged and held in said channels, said bands having their end portions extending beyond the ends of the face-plate and arranged over the slightly-projecting ends of said pins, and means for securing said projecting ends of the said end bands upon the said knife-blade casing, substantially as and for the purposes set forth.

14. In a means for attaching pearl and other similar face-plates upon the sides of a knife-blade casing, the combination, with the cas-

ing, and the pins at the respective end portions of the said knife-blade casing, of a face-plate provided with undercut channels at its respective ends and in the under surface of
5 said face-plate, and suitably-curved end bands arranged and held in the said channels, said bands having their end portions extending beyond the ends of the face-plate and arranged over the slightly-projecting
10 ends of said pins, and a solder between the ends of the said end bands and the said knife-

blade casing for securing said end bands to said casing, substantially as and for the purposes set forth.

In testimony that I claim the invention set forth above I have hereunto set my hand this
6th day of August, 1902.

ERNST H. J. HUEBNER.

Witnesses:

FREDK. C. FRAENTZEL,
GEO. D. RICHARDS.