

No. 699,520.

Patented May 6, 1902.

H. C. HART.
KNIFE AND THE ART OF MAKING SAME.

(Application filed Jan. 28, 1902.)

(No Model.)

Fig. 1.

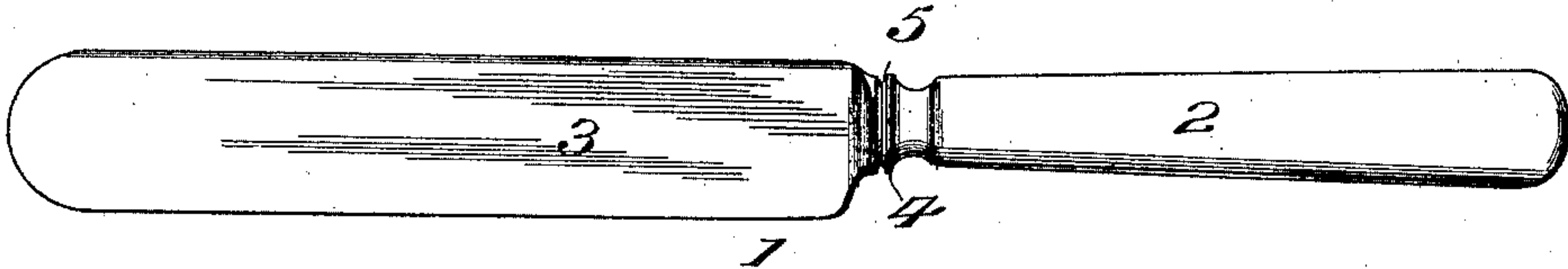


Fig. 2.

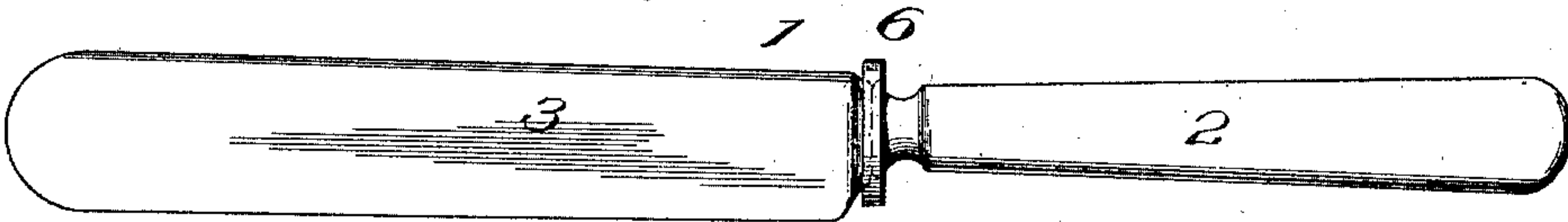


Fig. 3.

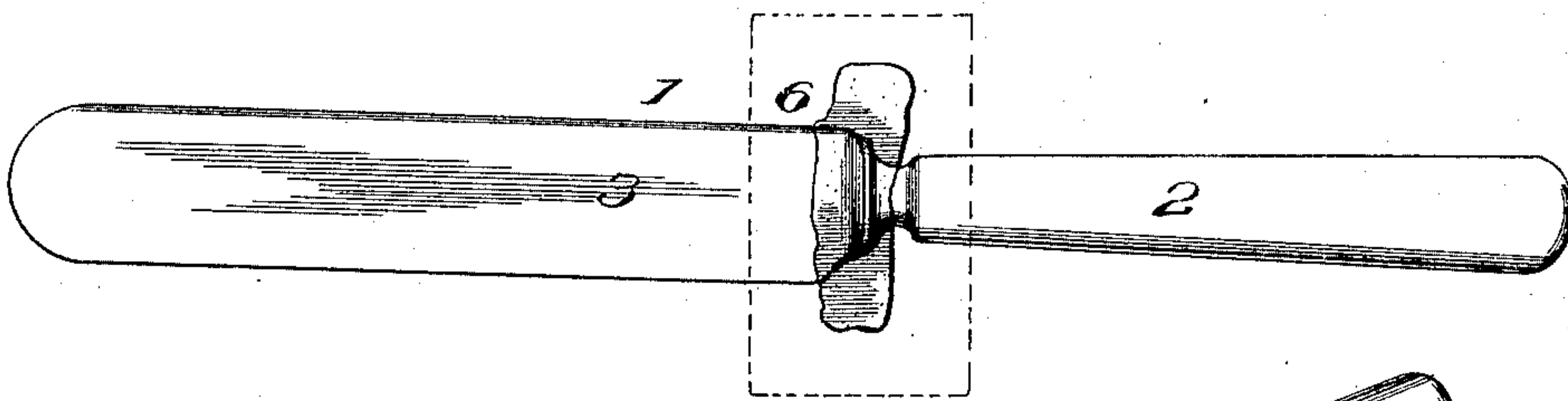


Fig. 4.

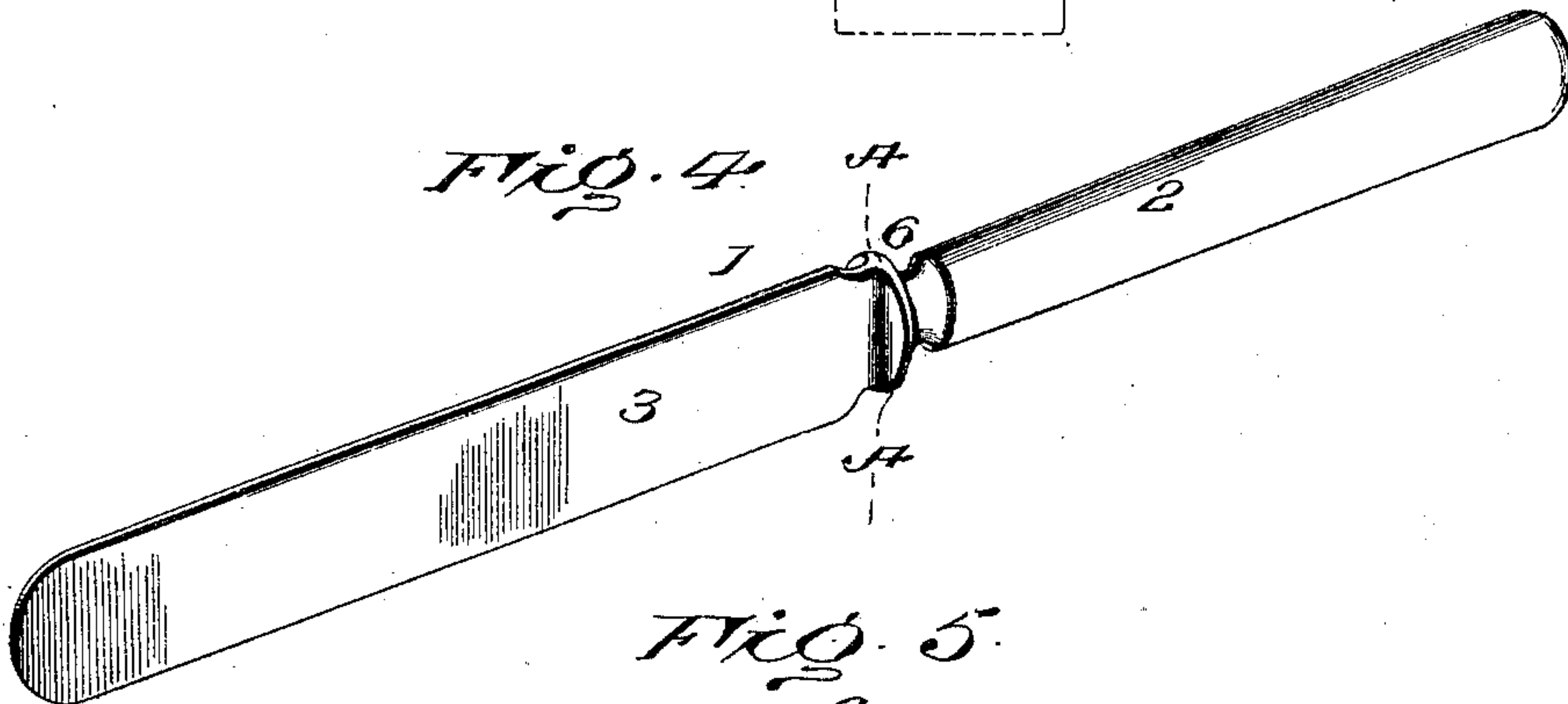
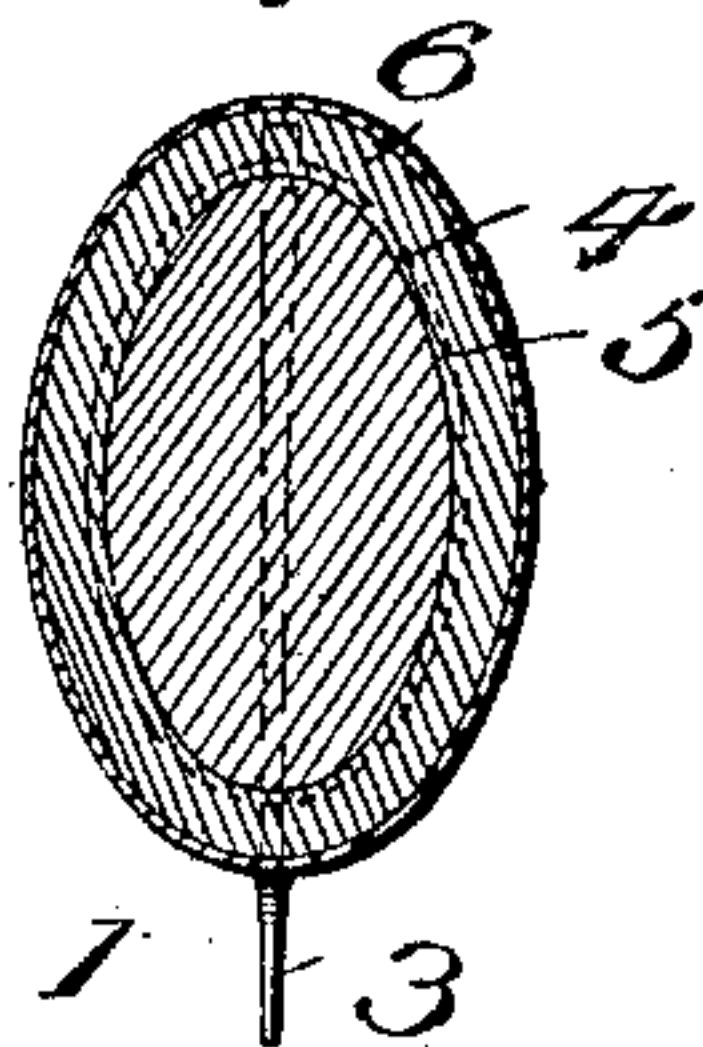


Fig. 5.



Witnesses

Wm. J. Jacobi
M. Williams.

Inventor
Hubert C. Hart

By
J. M. M. M. M.
Attorney

UNITED STATES PATENT OFFICE.

HUBERT CHAUNCY HART, OF UNIONVILLE, CONNECTICUT.

KNIFE AND THE ART OF MAKING SAME.

SPECIFICATION forming part of Letters Patent No. 699,520, dated May 6, 1902.

Application filed January 28, 1902. Serial No. 91,639. (No model.)

To all whom it may concern:

Be it known that I, HUBERT CHAUNCY HART, a citizen of the United States, residing at Unionville, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Knives and the Art of Making the Same; and I do 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 the figures of reference marked thereon, which form a part of this specification.

This invention relates to improvements in plated knives and the art of making the same.

Knives of the plated type are more susceptible to wear at the rim adjacent the bolster, and as a result thereof the metal at this point rusts first. The rim being the largest portion, it strikes the table or the like first when the knife is thrown down, which dents and knocks off the silver plate, exposing the steel, and as soon as moisture reaches such dent or exposed part rust sets in, and it only takes a very short time for the beauty of the knife to be destroyed. This moisture may come from the handling of the knife when in use or while it is being cleansed—sufficient to say that as soon as the silver is removed and the steel exposed the destructive influences thereof appear.

It is therefore the purpose of this invention to provide in a steel plated knife a non-corrosive rim or bolster, separately attached and swaged on.

Many other objects and advantages will be hereinafter referred to and be particularly pointed out in the claims.

In the drawings forming a part of this specification, Figure 1 is an elevation of a knife made of a single piece of metal and having a groove to receive a rim or bolster. Fig. 2 is a similar view showing a rim loosely applied and ready to be swaged. Fig. 3 is a similar view showing the rim as having been swaged, the dies being shown in dotted lines. Fig. 4 is a perspective view of a finished knife, and Fig. 5 is a cross-section on the line A A of Fig. 4.

The numeral 1 represents a plated steel knife of usual construction, except that where

the ordinary rim would be—i. e., intermediate the handle 2 and blade 3—there is only a slight flange 4, in which is formed a groove 5. The knife having been made with its groove 5, I next place a soft non-corrosive metal band 6 around the groove, then swage said band in the groove and at the same time give to it such shape as it is desired the rim shall be. The swaging operation having been completed, the knife is removed from the dies and is given its final dressing and plating, as shown in Figs. 4 and 5.

While a continuous band is preferred and is so shown in the drawings, I do not desire to be limited to this specific construction, for good results are obtainable by the use of a split band or bands made in sections; but inasmuch as the seams cannot with absolute safety be always closed I prefer the endless band.

It will therefore be seen that a silver-plated knife constructed in accordance with my invention possesses the very decided advantage of a uniform wearing-surface throughout irrespective of the fact that the rim projects and receives most of the wear. This then effectually prevents the knocking off of the silver plate to expose the steel body of the rim. The knocking and denting of the rim will in all probability be the same as before; but as it is composed of silver or other non-corrosive metal it will be obvious such knocks and dents will not in any wise be susceptible to the evil influences of moisture. Moreover, the silver rim while being of a different metal than the body of the knife becomes practically a part thereof and is absolutely prevented from being displaced, and aside from the groove and subsequent swaging the silver plating which is afterward applied tends to make the rim a part of the knife.

From the foregoing description and accompanying drawings it is thought the operation and advantages of my invention will be apparent to those skilled in the art to which it appertains.

Having thus fully described my invention, what I claim as new is—

1. The art of making knives which consists in making the knife proper and handle of metal and in one piece, of making the rim or bolster separately and of a non-corrosive

metal, and then plating the knife and rim, together, substantially as described.

2. The art of making knives which consists in making the knife proper and handle of steel and in one piece, of making the rim or bolster separately, and of a non-corrosive metal, and then plating the knife and rim together, substantially as described.

3. The art of making knives, which consists of making the knife proper of metal which has formed therein a rim-seat, and then swaging a non-corrosive rim in the seat, substantially as described.

4. The art of making knives which consists in making the knife proper, having a seat for a rim, a non-corrosive rim placed in the seat, and then swaging the rim and dressing and shaping said rim, substantially as described.

5. As an article of manufacture, a knife proper and handle made of metal and in one piece, a separate and non-corrosive rim or bolster, and a plating covering the knife and rim, substantially as described.

6. As an article of manufacture, a knife proper and handle made of metal having a

groove, and a separate and non-corrosive rim or bolster swaged in the groove, substantially as described.

7. As an article of manufacture, a knife proper and handle made of metal having a groove, a separate and endless non-corrosive rim or bolster swaged in the groove, and a plating covering the knife and rim, substantially as described.

8. As an article of manufacture, a steel knife and handle made in one piece and having a groove formed therein, a separate and non-corrosive rim or bolster swaged in said groove, and a plating covering the knife and rim, substantially as described.

9. A knife and handle made in a single piece and being formed with an endless groove, a separate non-corrosive rim swaged into the groove, and a plating covering the knife and rim, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

HUBERT CHAUNCY HART.

Witnesses:

JNO. IMIRIE,

B. G. BRAUN.