

(No. Model.)

F. J. KALDENBERG.

KNIFE HANDLE.

No. 373,560.

Patented Nov. 22, 1887.

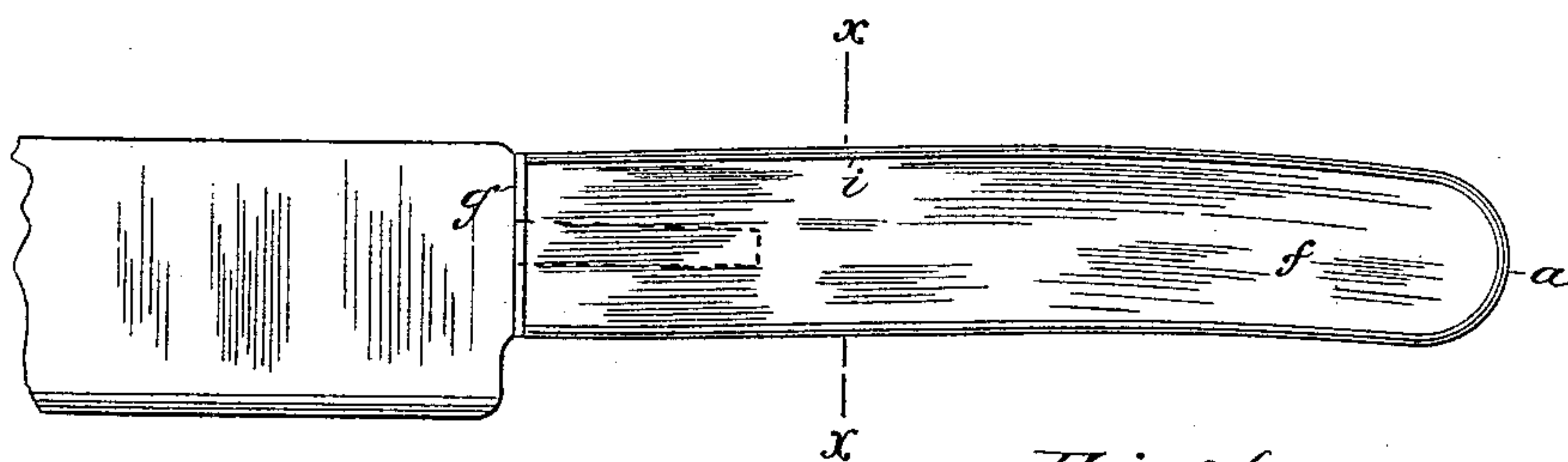


Fig. 1.

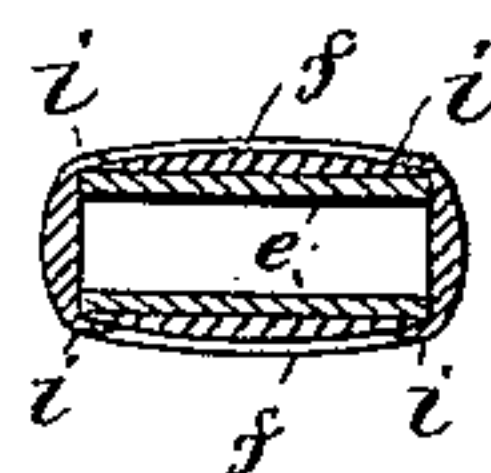


Fig. 2.

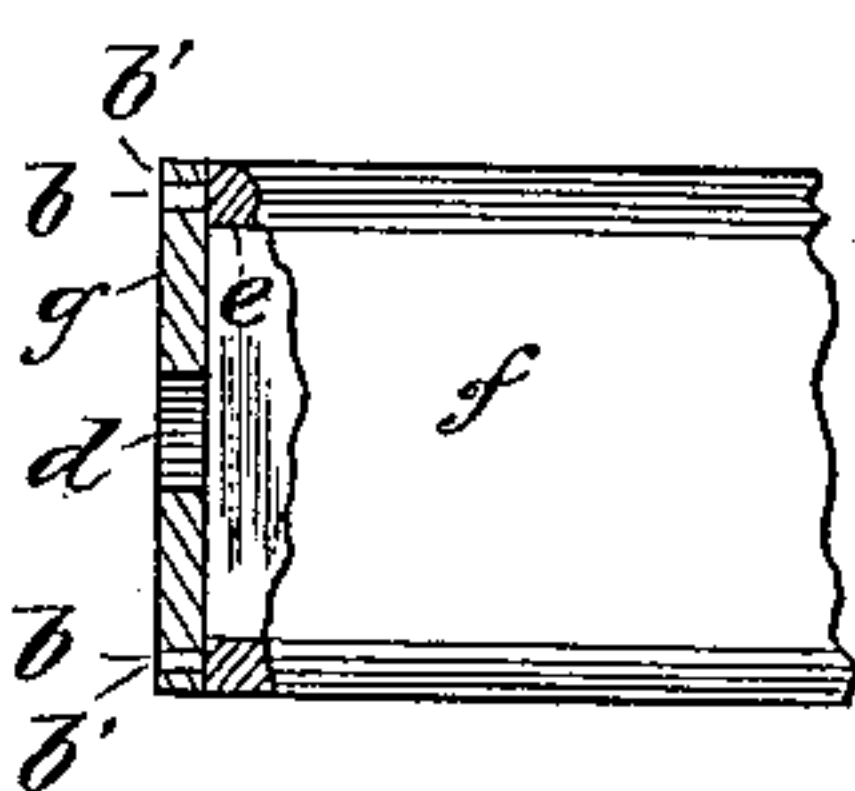


Fig. 3.

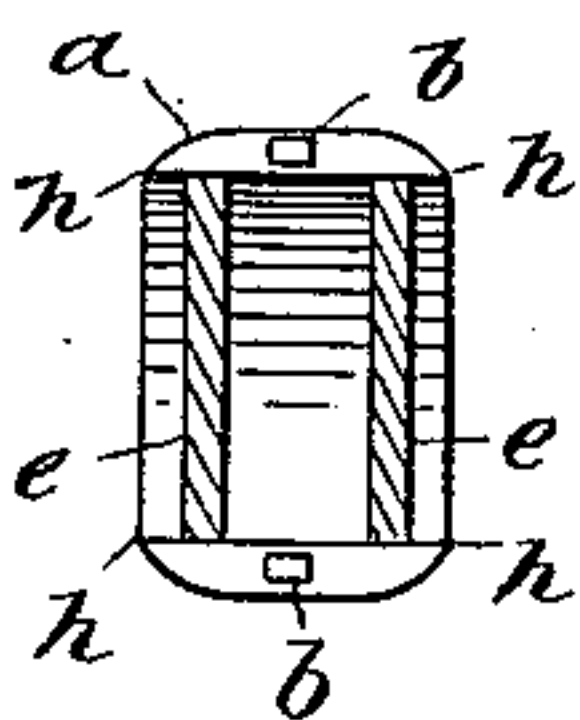


Fig. 4.

Witnesses

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UNITED STATES PATENT OFFICE.

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KNIFE-HANDLE.

SPECIFICATION forming part of Letters Patent No. 373,560, dated November 22, 1887.

Application filed July 21, 1887. Serial No. 244,948. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK J. KALDENBERG, a citizen of the United States, residing at Tarrytown, in the county of Westchester and State of New York, have invented certain new and useful Improvements in Knife-Handles, of which the following is a full, clear, and exact specification, reference being had to the drawings accompanying and forming part of the same.

My invention relates to improvements in handles for knives, forks, and similar articles where ivory, pearl, and other ornamental material is combined with metal in the construction of the same; and the objects of my improvements are, first, to provide a means whereby the ornamental scales may be attached to the base or metal body without the necessity of rivets; secondly, to afford facilities for uniting the end plate to the body and strengthening the joint formed by the meeting edges of the same; and, finally, to provide means whereby uniform strength is given to the metal body or base of the handle, and it is re-enforced at its weakest point, all as will be fully and in detail hereinafter set forth. These objects I attain by the construction illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of a handle made according to my invention. Fig. 2 is a cross-section of the same taken on the line *xx* of Fig. 1; and Figs. 3 and 4 are sectional fragmentary views of the inner end of the handle, showing the end-plate attachment.

The construction of the handle will be readily understood from the following description.

Let *a* represent a strip of metal which constitutes the vertical edge of the handle as completed. This is a single continuous piece having the requisite width, which is bent so as to have the general contour of a table-knife handle, and by preference with a slight convexity and concavity of the two edges, as shown in the drawings. On each of the adjacent ends of the strip is provided a small projection or stud, *b*.

g is the end plate which binds together the two ends of the strip *a* and closes the inner end of the handle. It is provided with a central hole, *d*, for the insertion of the tang of the knife-blade. In each end of this plate is

also formed a slot or hole, *b'*, to correspond to the stud *b*, into which the said studs are fitted, by which means the end plate is firmly secured to the handle and the ends of the strip are prevented from spreading apart under great strain. By this means, also, the inner end of the handle, which receives the heaviest strain at the point where the blade impinges, is re-enforced and strengthened.

e e are the two side plates of the metal body. These are secured to the strip *a* and its end plate, *g*, by means of solder, this being a matter of preference, however. In attaching the plates I place them at a point below the edge of the strip, so as to leave a portion projecting above and surrounding the said plates, as is shown in Fig. 4. This flange or projection is made the means for securing the pearl or ivory scale, which forms the ornamental sides of the handle, to the metallic body. The slab or scale *f* is placed in the recess formed by the projecting edges of the strip *a*, and the flange *h* then bent inwardly and downwardly to form an overhanging lip, *i*, which embraces the outer edge of the scale and serves to hold it securely on the handle.

What I claim as new, and desire to secure by Letters Patent, is—

1. The combination, in a knife-handle, of side plates secured together by a continuous edge strip applied so as to project beyond the edges of said plates, and connected by an end plate, and outer scales secured to the side plates by bending down the projecting edge of the strip, as set forth.

2. In the manufacture of knife-handles, the continuous strip *a*, bent substantially as shown, the side plates, *e e*, secured within and at a point below the edges of the strip, the end plate, *g*, and scales *f*, held to the inner side plates by bending down the projecting edge of the connecting-strip so as to embrace the periphery of the same, as set forth.

3. The combination, with the side plates, *e e*, of the connecting-strip *a*, provided with the studs or tongues *b* and end plate, *g*, having corresponding holes to receive said studs, as set forth.

FREDERICK J. KALDENBERG.

Witnesses:

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S. VAN ZANDT.