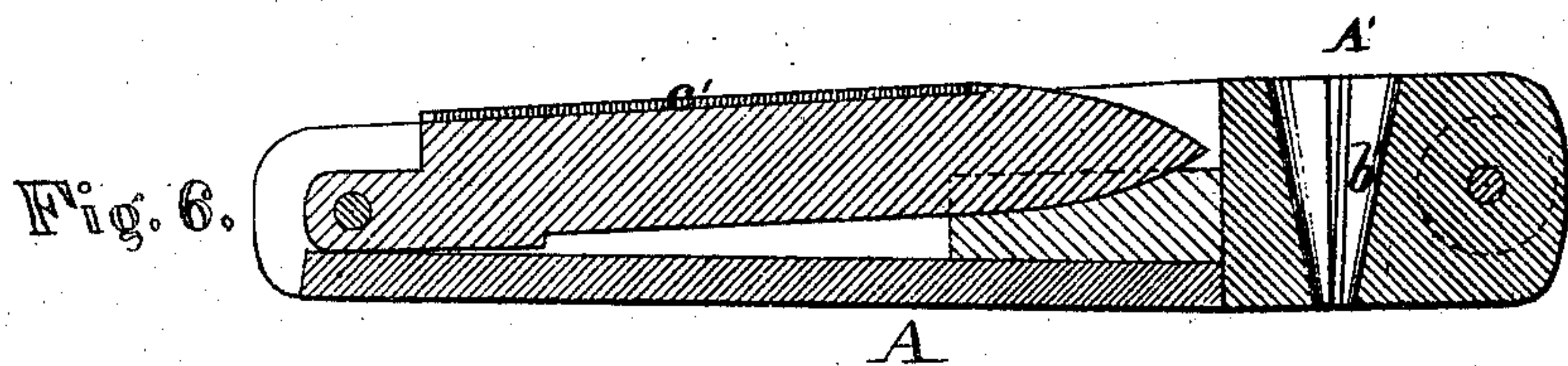
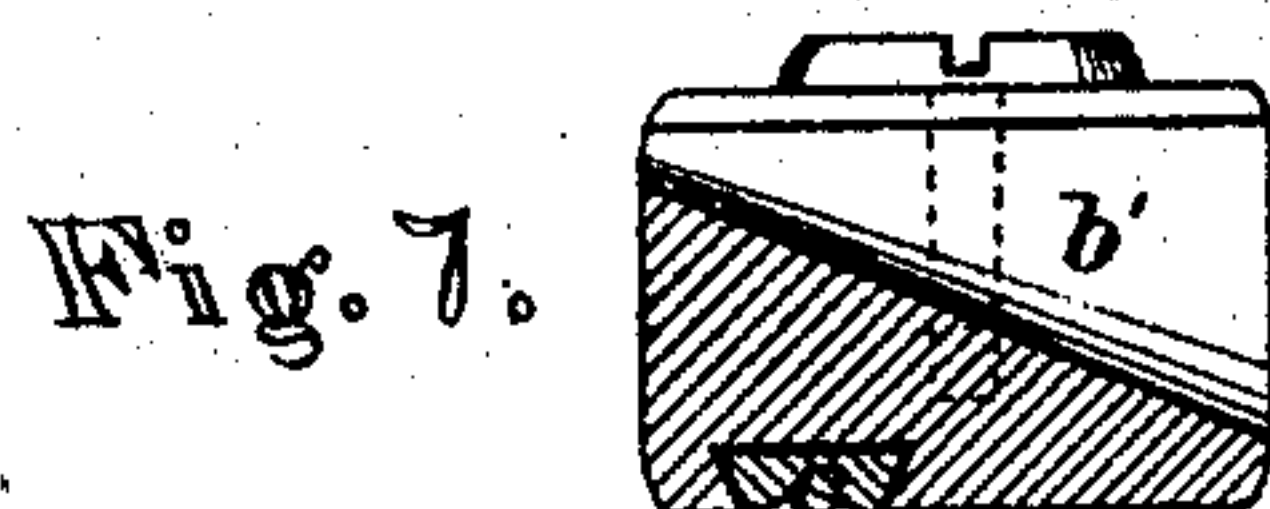
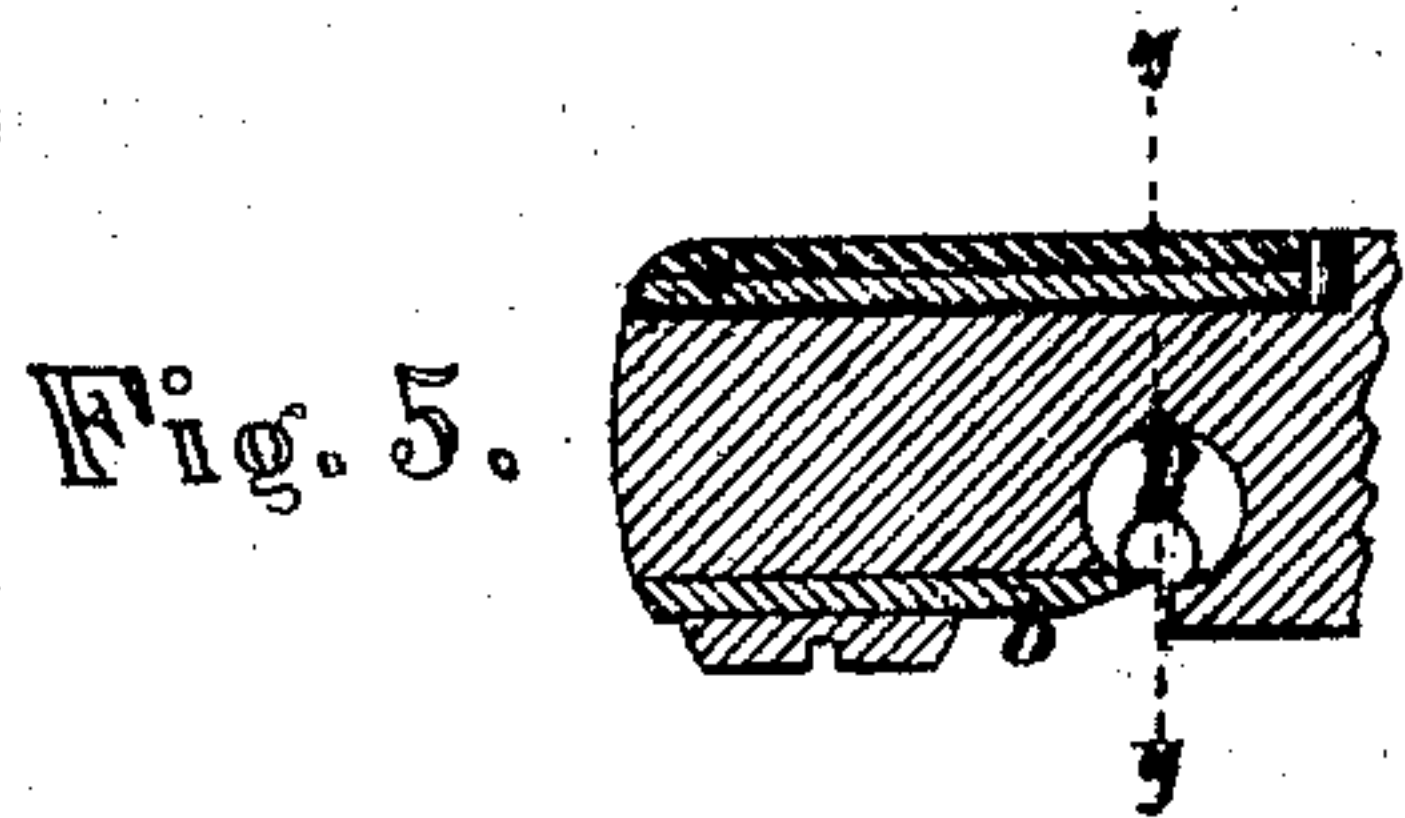
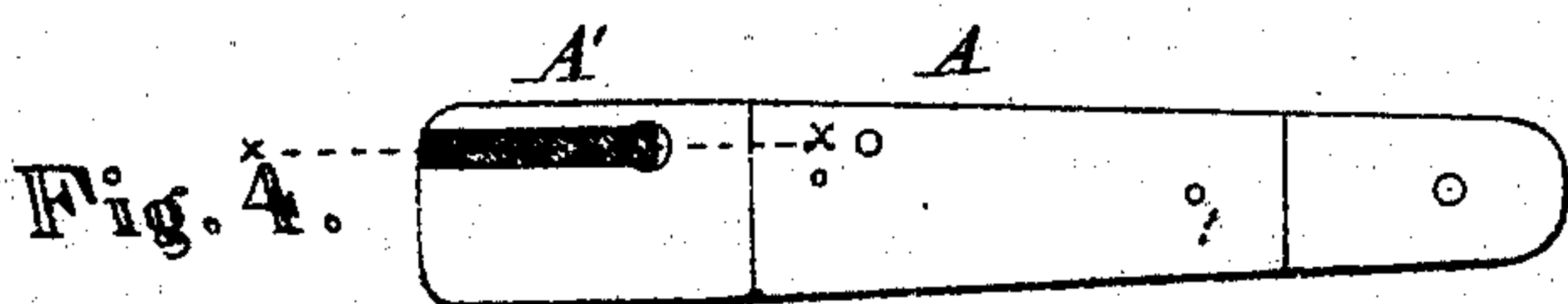
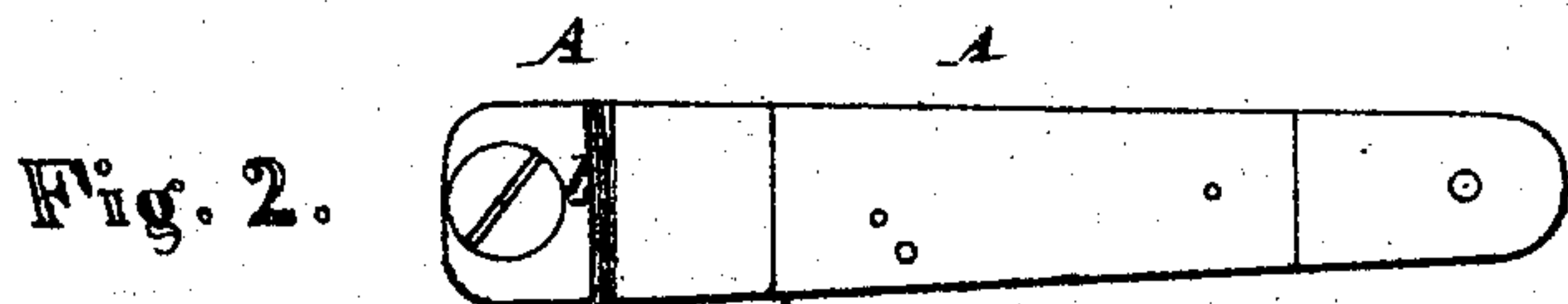
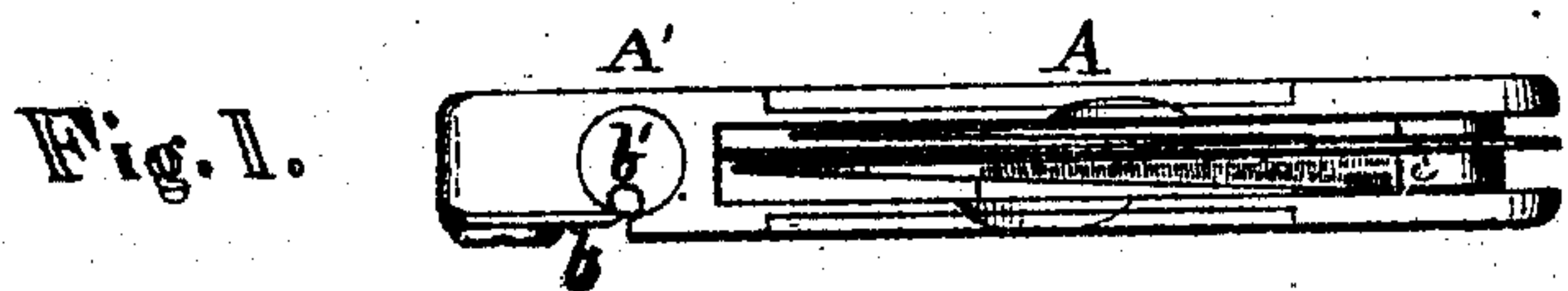


JACOB MCCLURE. COMBINED KNIFE *and* PENCIL SHARPENER.

116732

PATENTED JUL 4 1871



Witnesses.

Willet Anderson
P. J. Curtis

Inventor.

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Attys.

UNITED STATES PATENT OFFICE.

JACOB McCLURE, OF NASHUA, NEW HAMPSHIRE.

IMPROVEMENT IN COMBINED KNIFE AND PENCIL-SHARPENERS.

Specification forming part of Letters Patent No. 116,732, dated July 4, 1871.

To all whom it may concern:

Be it known that I, JACOB McCLURE, of Nashua, in the county of Hillsborough and State of New Hampshire, have invented a new and valuable Improvement in Combined Knife and Pencil-Sharpener; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a top view of my invention. Fig. 2 is a side view. Fig. 3 is a top view of the large blade, showing the file. Fig. 4 is a side view. Fig. 5 is a view through the line *xx*. Fig. 6 is a central vertical longitudinal section, and Fig. 7 is a view through the line *yy*.

My invention has relation to an improved method of combining a knife and pencil-sharpener or cone-cutter; and it consists in forming the necessary conical recess in or through the handle, or a prolongation thereof, in such a manner that it will not impair in the least the usefulness of the knife for ordinary purposes.

Referring to the accompanying drawing, A represents a knife with the end of the handle somewhat extended, as at A', for the support of the sharpening-blade *b*, and in which the conical cavity *b'* may be formed for the purpose of pressing the end of the pencil against the blade *b* and

giving it the proper shape. On one side of the end of the handle is a small concave file, *c*, for the purpose of sharpening the point of the pencil, or rather the point of the lead. A small cone may be formed in connection with the concave file, which is a great advantage in sharpening the point of the pencil. A concave file is also formed on the back of one of the knife-blades, as at *c'*. The end A', having the conical cavity, the blade, the concave file, or the conical cavity and file, and constituting the pencil-sharpener, may be made in a separate piece and attached to the knife-portion in a suitable manner.

I claim as my invention—

1. The cone-cutting recess *b'* formed in or through the handle of a pocket-knife in such a manner that the ends of the recess shall be even with the sides or edges of the handle, substantially as specified.

2. A knife-blade provided with a file-back, *c'*, having a central tapering smooth space between the slightly-inclined filing-surfaces, substantially as specified.

In testimony that I claim the above, I have hereunto subscribed my name in the presence of two witnesses.

JACOB McCLURE.

Witnesses:

F. W. SAWYER,
A. W. SAWYER.