

(No Model.)

W. W. LEE.
TABLE KNIFE.

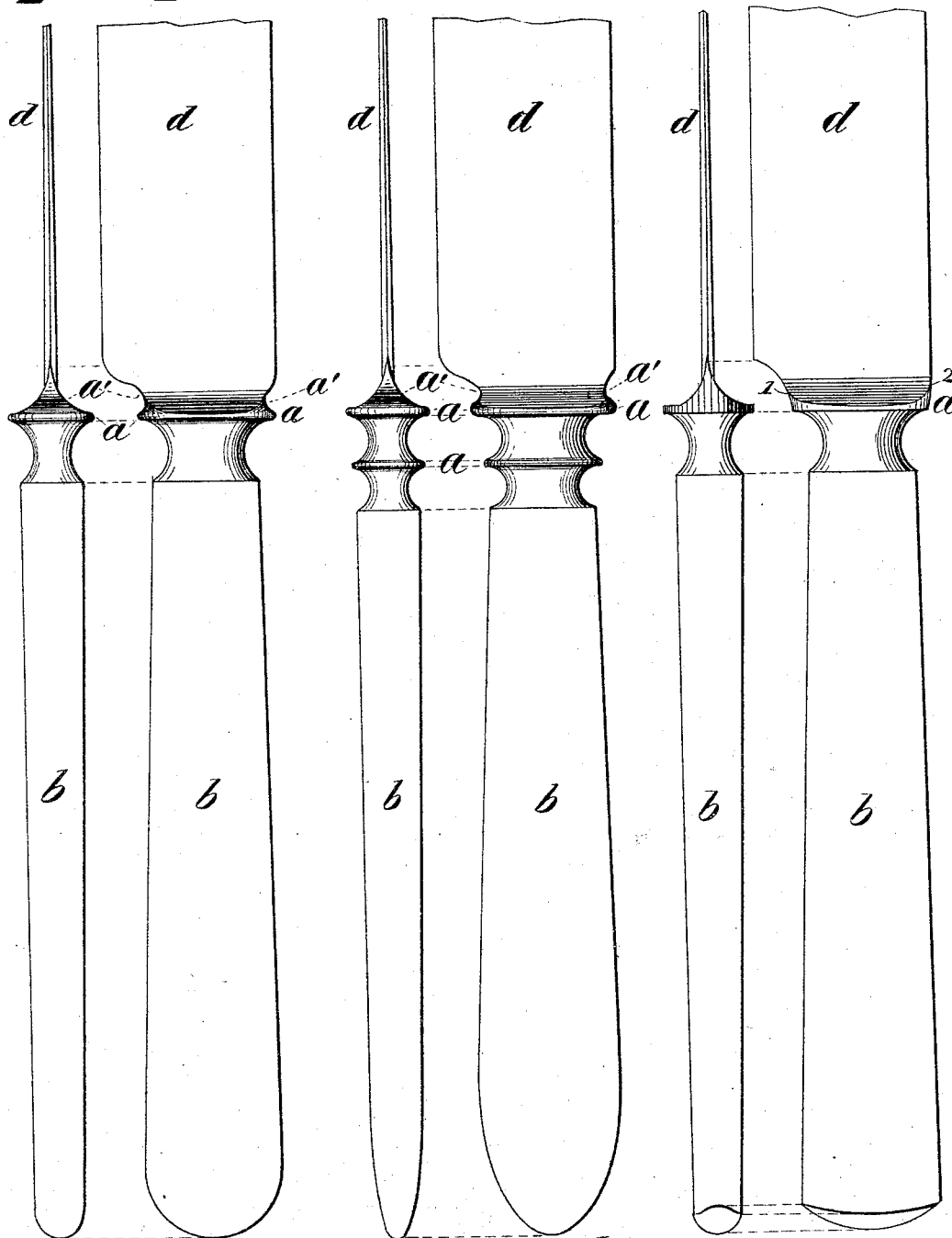
No. 458,632.

Patented Sept. 1, 1891.

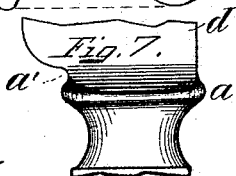
Fig. 1. Fig. 2.

Fig. 3. Fig. 4.

Fig. 5. Fig. 6.



Witnesses!
John Brown.
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UNITED STATES PATENT OFFICE.

WILLIAM W. LEE, OF NORTHAMPTON, MASSACHUSETTS.

TABLE-KNIFE.

SPECIFICATION forming part of Letters Patent No. 458,632, dated September 1, 1891.

Application filed June 13, 1891. Serial No. 396,130. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM WILSON LEE, of Northampton, in the county of Hampshire and State of Massachusetts, have invented
5 a new and useful Improvement in Knives formed with Bolsters, of which the following is a specification, reference being had to the accompanying drawings, in which—

Figure 1 is an enlarged cutting-edge view
10 of a single-bolster table-knife containing my improvement. Fig. 2 is a side view of what is shown in Fig. 1. Fig. 3 is an enlarged cutting-edge view of a double-bolster table-knife containing my improvement. Fig. 4 is a side
15 view thereof. Figs. 5 and 6 are cutting-edge and side views, respectively, of an old style of knife. Fig. 7 shows a modification of a knife on a small scale containing my improvement.

20 Heretofore table and other knives have been formed with bolsters (single and double) the edges or peripheries of which have had angular corners, as illustrated in Figs. 5 and 6, which show a table-knife of the old and familiar type. It has been found, and is well
25 known to those skilled in the art, that the plating rapidly wears off these corners. This objection is readily overcome by rounding off these corners—that is, by making the peripheries or edges of the bolsters rounded
30 from side to side of the bolsters. I am not aware, however, that any one has ever heretofore made the bolsters rounded from side to side, and no plan has ever before been devised, so far as I know, by which these corners
35 could be thus rounded with sufficient rapidity and economy to meet the practical requirements of manufacturers. It is obvious, of course, that the rounding off of the corners may be done in various ways, and
40 that the mere rounding off of the corners is a matter which any mechanic would know how to accomplish, but to accomplish this rapidly and economically is the problem; and
45 my invention consists in a knife having a bolster, contiguous to which on the blade side of the bolster there is a notch or recess in an edge of the blade.

50 In the drawings, *a* is the bolster, *b* the handle, and *d* the blade.

On the blade side of bolster *a* in an edge of the blade and contiguous to the bolster a notch or recess *a'* is formed conveniently by a suitable conformation of the dies in which
55 the blank is formed, as will be readily understood by those skilled in the art without further description.

In Figs. 1, 2, 3, and 4, showing the preferred symmetrical form of my new knife, there is a notch or recess *a'* in each edge of
60 the blade. The knife being formed with one or more notches or recesses *a'*, as the case may be, the bolster is subjected to the action of a grooved grinder, (best rotary,) and the bolster rapidly freed from scale and smoothed
65 and rounded from side to side, a single pass being all that is ordinarily required, as the notch or notches *a'* allow the knife to be passed (that is, rotated on its lengthwise axis) without hinderance entirely around on
70 the grinder, the flanges of which travel through the notches *a'*. Were the knife shown in Figs. 5 and 6 subjected to such a grinder, it would be thrown back from the
75 grinder when the points 1 or 2 were reached, as will be readily seen from the drawings, and the knife would be apt to be injured unless the workman removed the knife when these points were reached, and even then it would
80 be impossible, practically, to smooth and round the bolster symmetrically.

It is plain that my invention is not limited to table-knives, but may be embodied in bladed implements for various other uses.

A table-knife formed with two recesses *a'*
85 forms the subject-matter of an application of even date for a design patent.

In the modification shown in Fig. 7 an unsymmetrical knife is shown. In this form of
90 knife but one recess *a'* is necessary.

What I claim is—

In a bladed implement, a bolster and a blade which has one or more edge recesses contiguous to the bolster, substantially as and for the purpose set forth.

WILLIAM W. LEE.

Witnesses:

C. H. PIERCE,
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