

No. 779,486.

PATENTED JAN. 10, 1905.

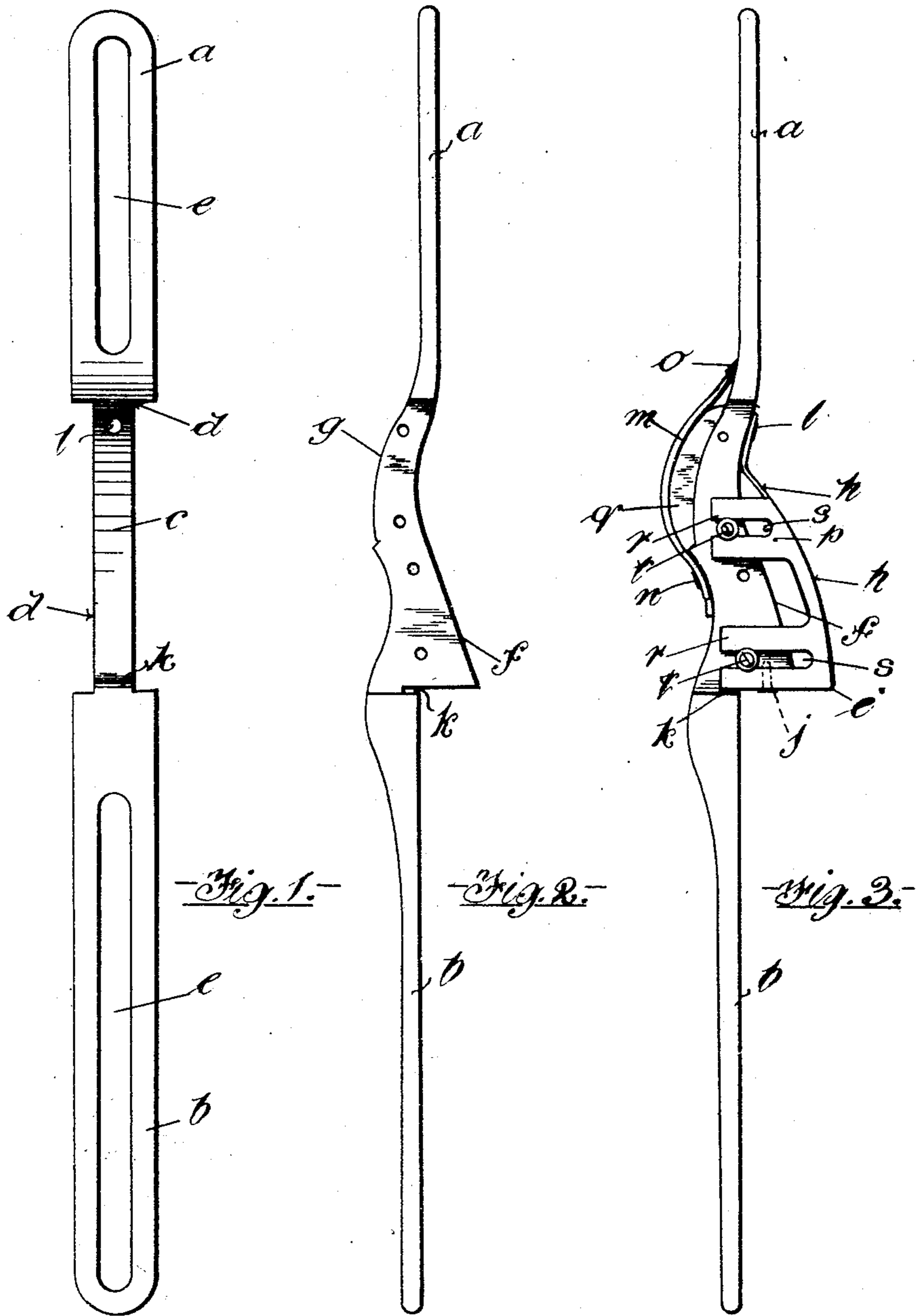
R. J. E. METZENTHIN.

SHAVE FOR THE HEELS AND FOREPARTS OF BOOTS OR SHOES.

APPLICATION FILED MAY 31, 1904.

MODEL.

2 SHEETS—SHEET 1.



Witnesses
James. A. Baker
John Mill.

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MODEL.

2 SHEETS—SHEET 2.

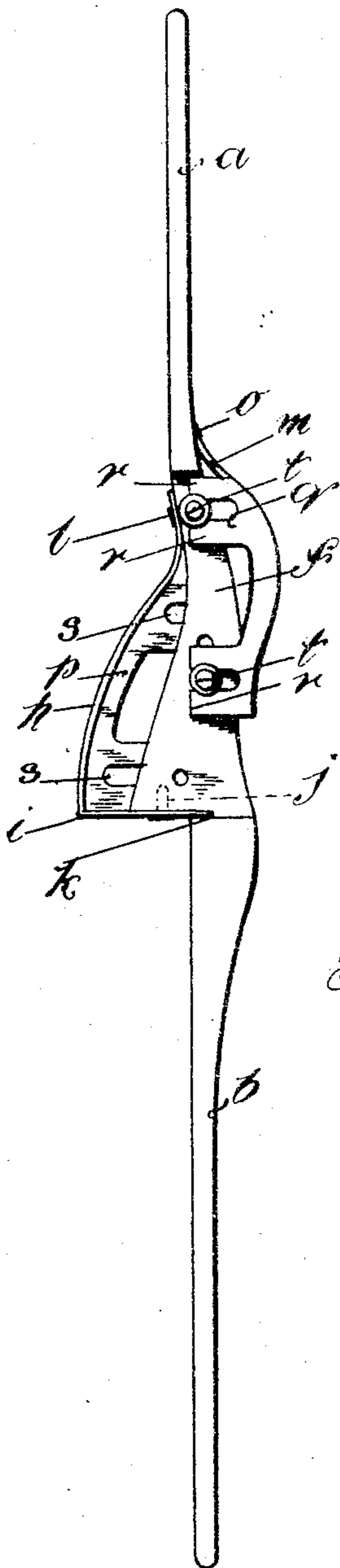


Fig. 4.

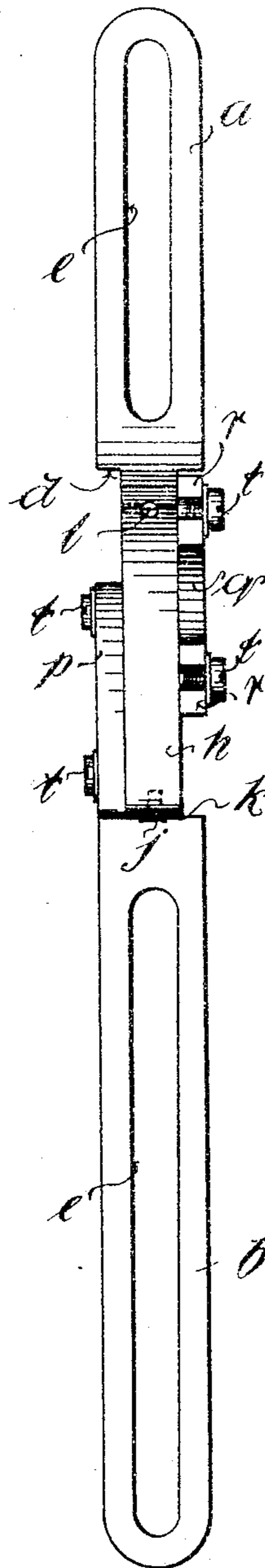


Fig. 5.

Witnesses.

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UNITED STATES PATENT OFFICE.

REINHOLD JOHN ERNEST METZENTHIN, OF WANGANUI, NEW ZEALAND.

SHAVE FOR THE HEELS AND FOREPARTS OF BOOTS OR SHOES.

SPECIFICATION forming part of Letters Patent No. 779,486, dated January 10, 1905.

Application filed May 31, 1904. Serial No. 210,586. (Model.)

To all whom it may concern:

Be it known that I, REINHOLD JOHN ERNEST METZENTHIN, a subject of the King of the United Kingdom of Great Britain and Ireland, residing at Druids Chambers, Wanganui, in the Colony of New Zealand, have invented new and useful Improvements in Shaves for the Heels and Foreparts of Boots or Shoes, of which the following is a specification.

10 This invention relates to improvements in shaves for the heels and foreparts of boots and shoes, the object being to provide a tool of this class which can be used with safety upon the heel or forepart of a boot or shoe without fear of cutting the upper no matter
15 how much trodden over the said upper may be. An advantage also offered by the improved shave is that two knives of different shapes are fitted to it instead of one only. Consequently the user only requires just half
20 the number of these tools that he would of those at present in use.

The angle-knife hereinbefore referred to can be used on the foreparts—namely, the soles—
25 as well as the heels, thus rendering a separate forepart-plane unnecessary.

Knives of various curves can be used with this tool, according to the shape of the heel, whereas at present a different tool must be
30 used with each shape.

In carrying my invention into effect I proceed in or in about the following manner, making reference to the accompanying drawings, wherein—

35 Figure 1 is a plan and Fig. 2 a side view of the tool with the knives and gages omitted. Figs. 3 and 4 are views of each side with the knives fitted, and Fig. 5 is a plan of the tool complete.

40 The shave comprises two handles *a* and *b*, connected by a web *c*, thinner than the width of the handles, so as to provide two side recesses *d*, the handles preferably being made open in the middle, as at *e*. The web *c* is
45 shaped on each edge somewhat flatter than

the curves of the knives to be used, and a convenient shape is that shown in the drawings at *f* and *g*.

Above the part *f* is fastened the knife *h*, that above referred to as the angle-knife and
50 having a very decided angle at the end *i*, which is attached to *f* by a screw at *j*, the extremity of this end being inserted in a groove *k*. The other end of *h* is screwed down to *f* by the screw *l*. Above *g* is the other knife, *m*, one
55 end being screwed at *n* to the top of *g* and the other to a bevel *o*, provided on the handle. For each knife is provided a gage for adjusting the depth to which the knife shall cut, that for the knife *h* being shown at *p* and that
60 for the knife *m* at *q*. Each gage has two legs *r*, in which are open-ended slots *s*, through which are passed the screws *t*, by loosening and retightening which and shifting the gages the latter can be fastened at the required dis-
65 tance from the edge of the knife. The knives are sharpened on both edges, so that the respective gages can be used on either side of the web, according as the user prefers to push or draw the knife when working.
70

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

A heel-shave having two handles connected by a web curved on opposite edges; a suitably-curved knife removably attached to one
75 of the said curved edges and another suitably-curved knife removably attached to the other of the said curved edges; gages for adjusting the cut of the knives, each of the said gages having two legs in each of which is an open-
80 ended slot through which is passed a headed screw, all substantially as hereinbefore described.

In testimony whereof I have signed my name to this specification in the presence of two sub-
85 scribing witnesses.

REINHOLD JOHN ERNEST METZENTHIN.

Witnesses:

W. J. TREADWELL,
ISCOR KUTS.