

(No Model.)

J. VALENTINE.
ROUNDING JACK.

No. 554,467.

Patented Feb. 11, 1896.

Fig. I.

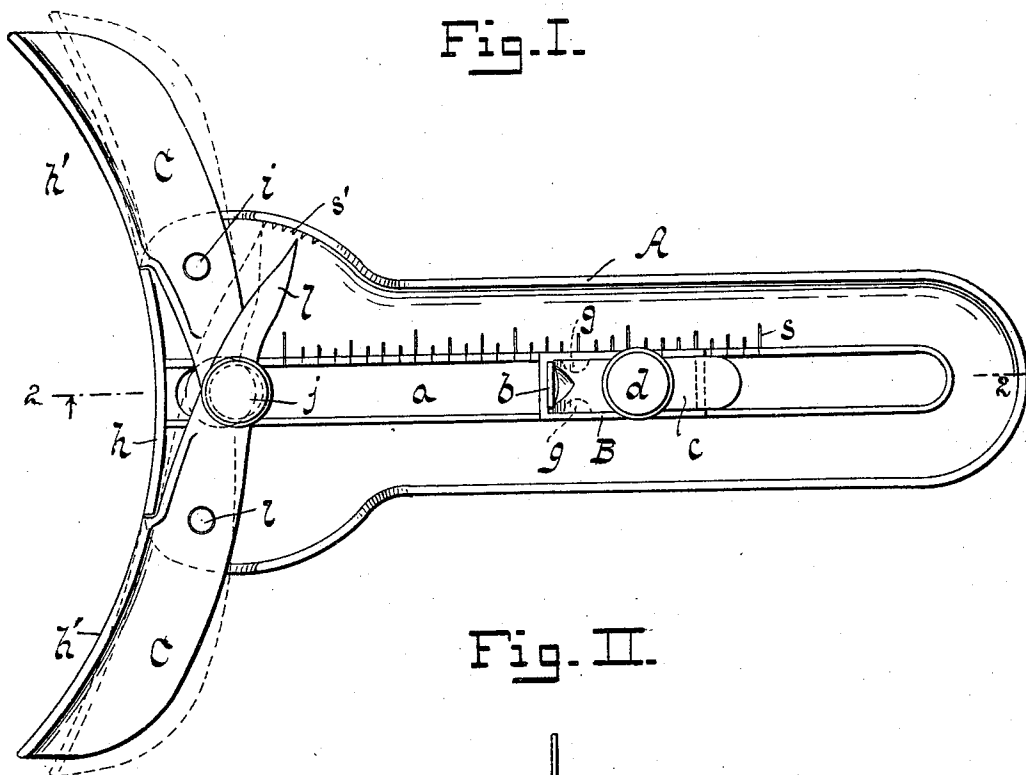


Fig. II.

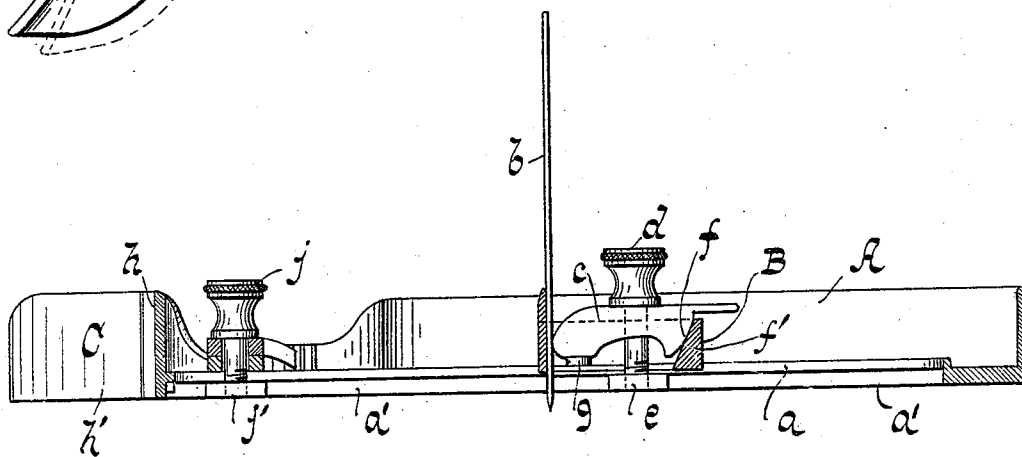
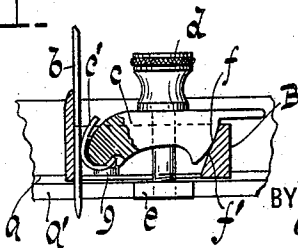


Fig. III.



WITNESSES:

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JOHN VALENTINE, OF NEWARK, NEW JERSEY.

ROUNDING-JACK.

SPECIFICATION forming part of Letters Patent No. 554,467, dated February 11, 1896.

Application filed November 21, 1894. Serial No. 529,455. (No model.)

To all whom it may concern:

Be it known that I, JOHN VALENTINE, a citizen of the United States of America, and a resident of Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Rounding-Jacks and the Like, of which the following is a specification.

My invention has reference to rounding-jacks such as are used for cutting or trimming the brims of hats, and it has for its objects to provide a cheap and light metallic jack provided with simple and quick means for adjusting the position of the cutter, as well as a jack which can be adjusted to crowns of varying sizes.

The nature of my invention will best be understood when described in connection with the annexed sheet of drawings, in which—

Figure 1 represents a plan or top view of a rounding-jack embodying my invention. Fig. 2 is a longitudinal section in the plane 2 2, Fig. 1. Fig. 3 is a sectional view illustrating a preferred form for the cutter-head.

Similar letters of reference designate corresponding parts throughout the several views of the drawings.

Referring to the drawings, the letter A designates the body of the jack suitably shaped to afford a good hold for the hand. In said body is formed a central longitudinal slot *a*, forming a way for the cutter-head B fitted snugly therein.

The body of the cutter-head is made in the form of a rectangular box the forward inner face of which forms an abutment for the cutter *b*, which in this instance is made in the form of a knife. Within the head is located a lock for the cutter and head, consisting of a tilting dog *c* perforated for the passage of a set-screw *d*, the lower end of which is engaged by a nut *e* adapted to travel in an undercut groove *a'*. One end of this dog is adapted to bear against the cutter *b*, while the opposite end *f* is beveled or cam-shaped and engages the bevel-face *f'* of the head B. Near the cutter end the cutter-head is formed with inwardly-projecting lugs *g g*, upon which the corresponding portion of the dog *c* rests.

By means of the set-screw *d* the cutter-head B is made secure or released in the way *a*, while the cutter is secured by the same screw,

in view of the dog *c* being pressed forward against the cutter when the screw is drawn up.

In practice the first turning of the screw serves practically only to unloosen the cutter-head in its way, while the cutter is not affected thereby.

To insure this action the construction illustrated in Fig. 3 is preferably employed, where the dog *c* is shown as provided with a short flat spring *c'* adapted to bear upon the cutter. During the first slight turn of the screw *d* to release the cutter-head the pressure of the spring retains the cutter within the head.

To adapt the jack for use for different sizes of hats I provide the same with an adjustable crown contact-surface, as follows: The end of the body A is provided with a short curved surface *h* corresponding about to the curvature of a medium-sized hat. To the body are pivoted at *i i* two segments C C having contact-surfaces *h' h'*, forming a continuation of the surface *h*. Through overlapping portions of the segments passes a set-screw *j* engaged by a nut *j'* located in and adapted to travel in the groove *a*. By means of this screw the segments can be secured after they have been set to the position corresponding to the diameter of the hat-crown. Of course in place of the set-screw other means may be employed for securing the segments. If desired, the contact-surface *h* may be omitted and only the segments used. As usual, the body A is provided with a scale *s* to measure off the distance necessary to cut the required width of brim, while a scale, as *s'*, is preferably provided for the segments, one of the latter having an extended portion *l*, serving as a pointer.

While the jack may be of any suitable material, I prefer in practice to make the same of a metal, aluminum being preferred on account of its lightness.

While I have herein shown and described my invention as embodied in a rounding-jack, it is to be understood that it can be similarly embodied in marking or scratch gages, or other like tools, the cutter being constructed to suit the required purpose, or replaced by a marking or, if necessary, by a shearing device.

What I claim as new is—

1. As a new article of manufacture, a rounding-jack, or like tool, consisting of a body pro-

vided with a longitudinal slot and with a curved contact-surface, two segments provided with curved contact-surfaces and separately pivoted to fixed pivots located on opposite sides of the slot to maintain the surfaces of said segments in continuity with the contact-surface of the body on adjustment of said segments, a set-screw passing through the inner overlapping ends of the segments and through the slot, a nut engaged by the set-screw and traveling in the said slot, and a cutter adjusted in the said slot, substantially as and for the purpose specified.

2. The combination in a rounding-jack, or like tool, of a body provided with a longitudinal slot, a cutter-head mounted in said slot and provided with a bearing-face at one end, a cutter arranged against the forward end of said head, a tilting dog located in said head and provided at one end with a cam-surface engaging the bearing-face of the said head and having its other end in engagement with the cutter, a set-screw extending through the dog and the slot, and a nut movable in the

slot engaged by said screw, whereby the cutter-head and cutter can be simultaneously secured in position, substantially as described.

3. The combination in a rounding-jack, or like tool, of a body provided with a longitudinal slot, a cutter-head mounted in said slot and provided with a bearing-face at one end, a cutter arranged against the forward end of said head, a tilting dog located in said head and provided at one end with a cam-surface engaging the bearing-face of the said head, a spring on the opposite end of said dog engaging the cutter, and means for actuating the dog to release or secure the cutter and cutter-head, substantially as described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 15th day of November, 1894.

JOHN VALENTINE.

Witnesses:

A. FABER DU FAUR, Jr.,
CHAS. W. THOMAS.