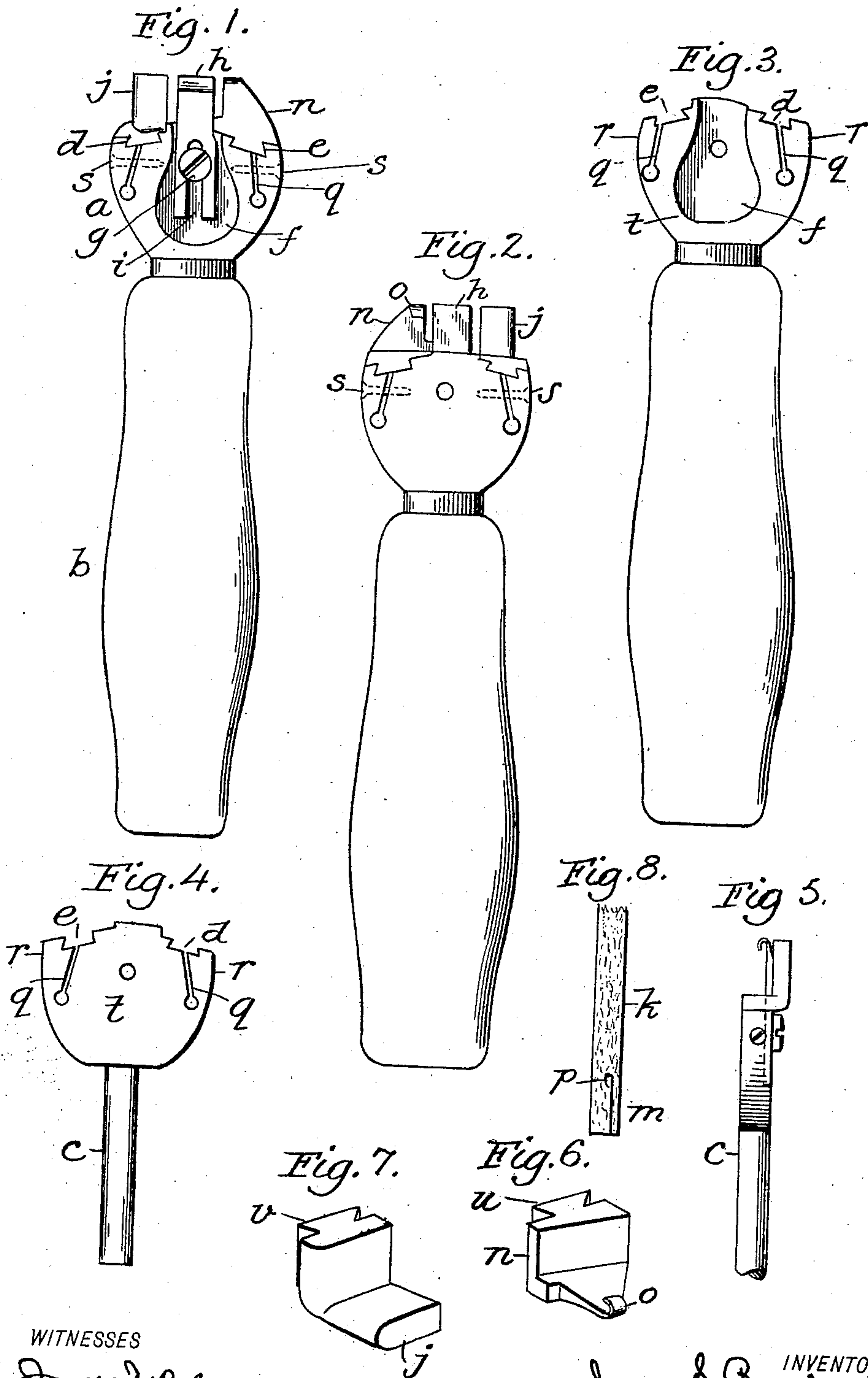


No. 863,939.

PATENTED AUG. 20, 1907.

J. S. RAMLOSE.
CHANNEL CUTTER.
APPLICATION FILED MAY 2, 1906.



WITNESSES
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JAMES S. RAMLOSE, OF NEWPORT, RHODE ISLAND.

CHANNEL-CUTTER.

No. 863,939.

Specification of Letters Patent.

Patented Aug. 20, 1907.

Application filed May 2, 1906. Serial No. 314,756.

To all whom it may concern:

Be it known that I, JAMES S. RAMLOSE, a citizen of the United States, residing in Newport, in the county of Newport and State of Rhode Island, have invented certain new and useful Improvements in Channel-Cutters, of which the following is a description, reference being had to the accompanying drawings.

My invention relates to improvements in tools for cutting a lip and groove in leather or like material; and the object of my invention is to provide a tool of the class described which will be simple in construction, susceptible of ready adjustment and certain in its action.

In the drawings illustrating the principle of my invention and the best mode now known to me of applying that principle, Figure 1 shows the back of the tool, the parts being assembled; Fig. 2 is a view of the cutting side or face of the tool, the parts being assembled; Fig. 3 illustrates the tool with the cutting devices and the gage removed; Fig. 4 is a similar view of the head of the tool; Fig. 5 is a side view of the head with the cutting devices and the gage mounted therein; Fig. 6 is a perspective view of the groover; Fig. 7 is a like view of the gage; and Fig. 8 shows a piece of leather cut by new tool.

The head *a* is secured in the handle *b* by inserting the shank *c* therein, and is formed with the dove-tailed channels *d*, *e* and the recess *f*. In the latter there is secured by the screw *g* a knife or cutter *h* the tail end of which is formed with a slot *i* which permits the knife to be adjusted to vary the depth of the cut or the width of the lip. In the groove or channel *d* is slidably mounted the gage or guard *j* which rubs along the top *k* of the leather and may be adjusted to vary the thickness of the lip *m*. In the other groove *e* is slidably fitted the groover *n* formed with a hook-shaped cutter *o* which serves to cut the groove *p*.

Extending downwardly and outwardly from the bottom of each of the grooves *d*, *e* is a slot *q* which separates and forms an ear *r* upon each side of the head *a*. The resiliency of the material of which the ears *r* are made tends to keep the slots *q* open by causing the ears to spring away from the main portion *t* of the head. A screw *s* is passed through each ear *r* and en-

gages the main portion *t* of the head. By tightening the screws *s* the ears *r* are forced in closer to the main portion *t* of the head and firmly secure in place the gage *j* and the groover *n*. By loosening the screw *s* the ear *r* is permitted by its own resiliency to spring away from the main portion *t* of the head and the devices slidably fitted in the grooves *d*, *e* may then be adjusted, as will be readily understood. The tenons *u*, *v* of the groover *n* and the gage *j* respectively fit snugly in the grooves *e*, *d*, respectively, the walls of the grooves serving to hold the tenons firmly in place when the screws *s* are tightened.

What I claim is:

1. In a channel cutter, the combination of a head formed with grooves; a knife mounted in said head for cutting a lip; a gage mounted in one of said grooves for determining the depth of the lip cut by the knife; and a device mounted in the other of said grooves for forming a groove in the cut made by said knife.

2. In a channel cutter, the combination of a head formed with grooves from the bottom of which extend slots; a knife mounted in said head; a gage mounted in one of said grooves; a device mounted in the other of said grooves for cutting a channel in the cut made by said knife; and means for securing said gage and device in their respective grooves.

3. A channel cutter made up of a head formed with a groove on each side and a recess between said grooves; a gage adjustably mounted in one of said grooves; a cutter having a hook-shaped end and mounted in the other of said grooves adjustably; and a knife adjustably mounted in said recess between said gage and cutter.

4. A channel cutter made up of a head formed with a pair of grooves running in the same direction; a knife mounted in said head and adjustable in a direction at right angles to the direction of said grooves to vary the depth of the slit cut by it; a gage mounted in one of said grooves and adjustable in the direction of said groove to determine the position of the slit formed by said knife in the leather; and a cutter formed with a hook-shaped end and mounted in the other of said grooves, said cutter being adapted to cut a channel in the slit made by said knife and being adjustable in the same direction as said gage to vary the depth of said channel.

In testimony whereof I hereunto set my hand this 25th day of April, 1906, in the presence of two witnesses at said Newport.

JAMES S. RAMLOSE.

Witnesses:

JAMES T. KAULL,
J. T. LEWIS.