

No. 824,148.

PATENTED JUNE 26, 1906.

A. S. ROBERTS.
POCKET KNIFE.

APPLICATION FILED AUG. 31, 1905.

FIG. 1

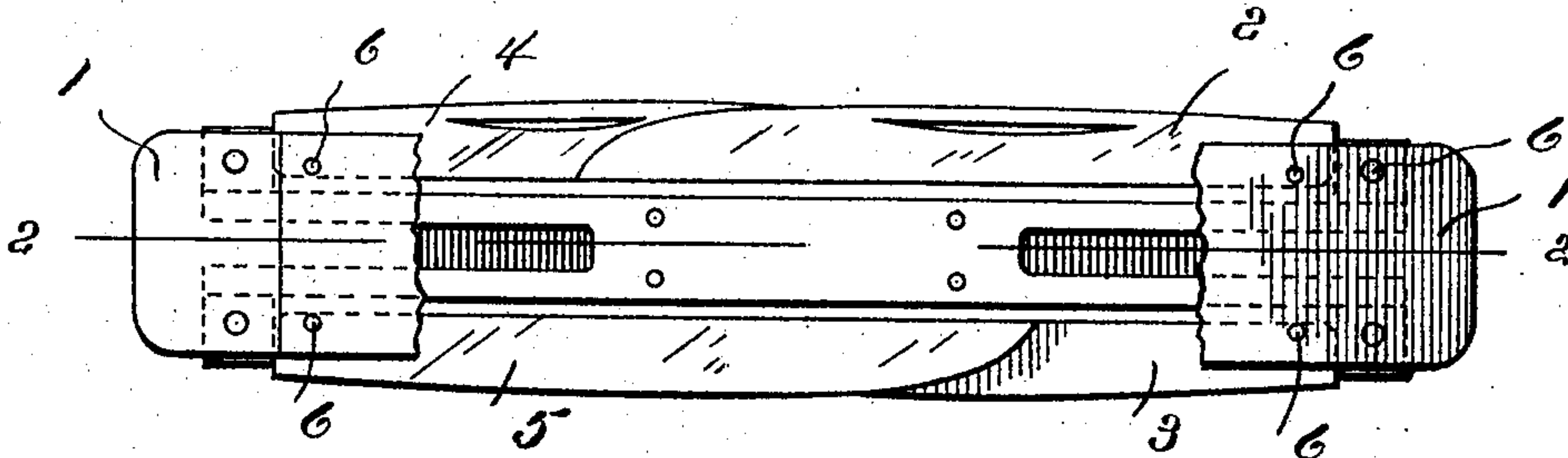


FIG. 2

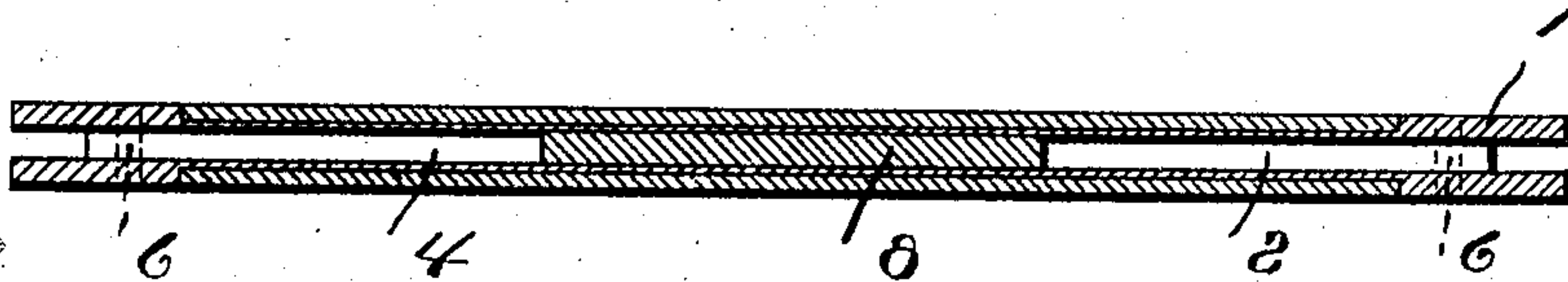


FIG. 3

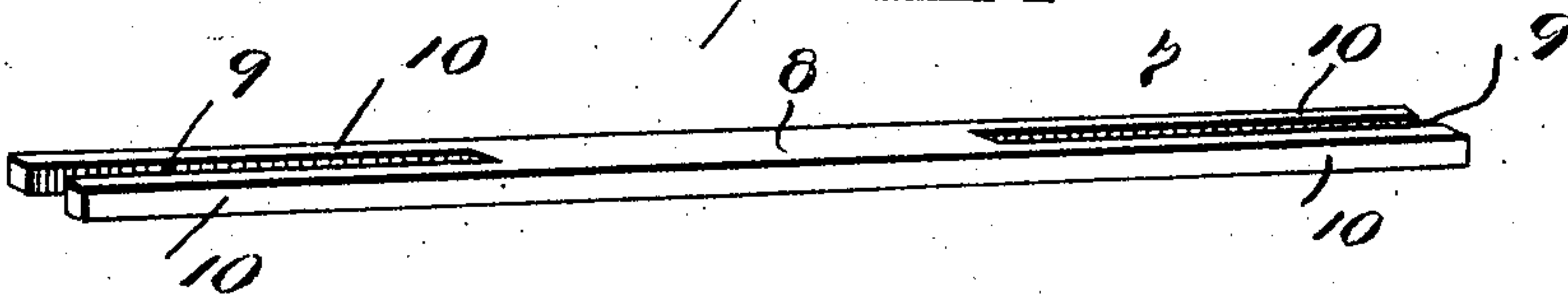
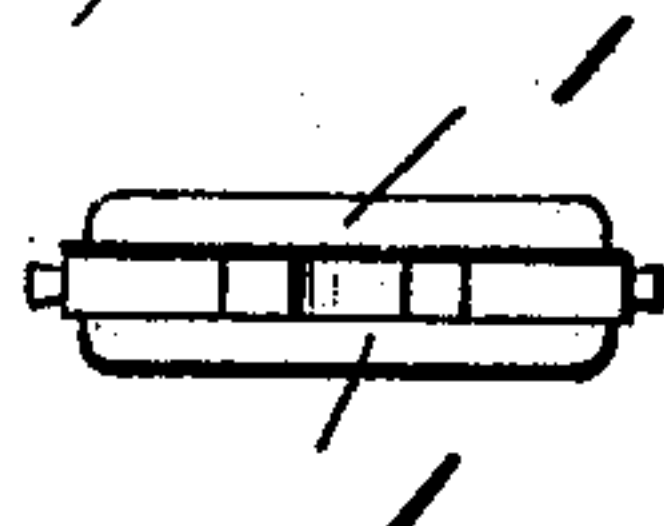


FIG. 4



WITNESSES:

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ALBERT S. ROBERTS, OF HILLSBORO, ILLINOIS.

POCKET-KNIFE.

No. 824,148.

Specification of Letters Patent.

Patented June 26, 1906.

Application filed August 31, 1905. Serial No. 276,566.

To all whom it may concern:

Be it known that I, ALBERT S. ROBERTS, a citizen of the United States, residing at Hillsboro, in the county of Montgomery and State of Illinois, have invented certain new and useful Improvements in Pocket-Knives, of which the following is a specification.

This invention relates to improvements in pocket-knives; and it consists in certain peculiarities in the construction and arrangement of parts and in certain novel combinations of elements substantially as hereinafter described, and particularly pointed out in the subjoined claim.

The principal object of the invention is to simplify the construction and reduce the cost and size of pocket-knives having a series of blades by providing for said series of blades a single back-spring of peculiar construction having spring elements for the several blades. This object is well accomplished by the construction illustrated in the accompanying drawings, in which—

Figure 1 is a side view of a knife embodying my improvements, the handle being shown as broken away intermediate of its ends to disclose the internal parts of the knife. Fig. 2 is a longitudinal section on the line 2 2 of Fig. 1. Fig. 3 is a perspective view of the back-spring. Fig. 4 is an end view of the device.

The same numerals of reference designate the same parts in the several figures.

1 designates a casing or handle, of any suitable construction and material, open longitudinally along its opposite sides. In this casing or handle are mounted the series of blades 2, 3, 4, and 5 in pairs 2 and 3 and 4 and 5, the members of a pair, as 2 and 3, being arranged at opposite sides of the longitudinal center of the handle. A knife comprising four of such blades constitutes the best embodiment of the invention; but this number may be reduced or increased without departing from the spirit of the invention. These blades are pivoted at their ends, as usual, as shown at 6. When four of such blades are employed, two of them, as 2 and 4, will be pivoted at their

ends at the respective ends of the handle 1 at one side of the longitudinal center thereof, and will project from one of the open longitudinal sides of said handle, while the other two, as 3 and 5, of said blades will similarly be pivoted at the ends of and project from the other open longitudinal side of the handle.

The back-spring 7 is arranged within the interior of the handle or casing 1 between said pairs of blades. It comprises a body 8, fixedly secured to the handle and having its end or ends formed with a recess or recesses 9, thus providing spring elements or arms 10 for the respective blades. In the form shown to exemplify the invention both ends of the body 7 are formed with such recesses 9, whereby four of such spring elements are provided, one for each of the four blades, two of said arms projecting in the same direction from one end of the body 7 and the other two similarly projecting from the other end of said body.

Having thus described the invention, what I believe to be new, and desire to secure by Letters Patent, is—

A knife comprising a handle formed with a pair of spaced longitudinal sides united at their ends, a back-spring disposed within the space between the sides of the handle and having rigid connection with said sides, blades pivotally mounted between the sides of the handle and occupying the same longitudinal plane as said back-spring, said back-spring comprising a body having bifurcated ends, the furcations serving as spring-fingers and being in the same plane with one another and with said blades, said blades engaging said spring-fingers when in their open position and forcing said fingers toward the longitudinal axis of said back-spring.

In testimony whereof I affix my signature in presence of two witnesses.

ALBERT S. ROBERTS.

Witnesses:

E. D. MARSHALL,
JOHN F. CRISWELL.