

(No Model.)

J. F. HARVEY.
POCKET KNIFE.

No. 603,847.

Patented May 10, 1898.

Fig. 1.

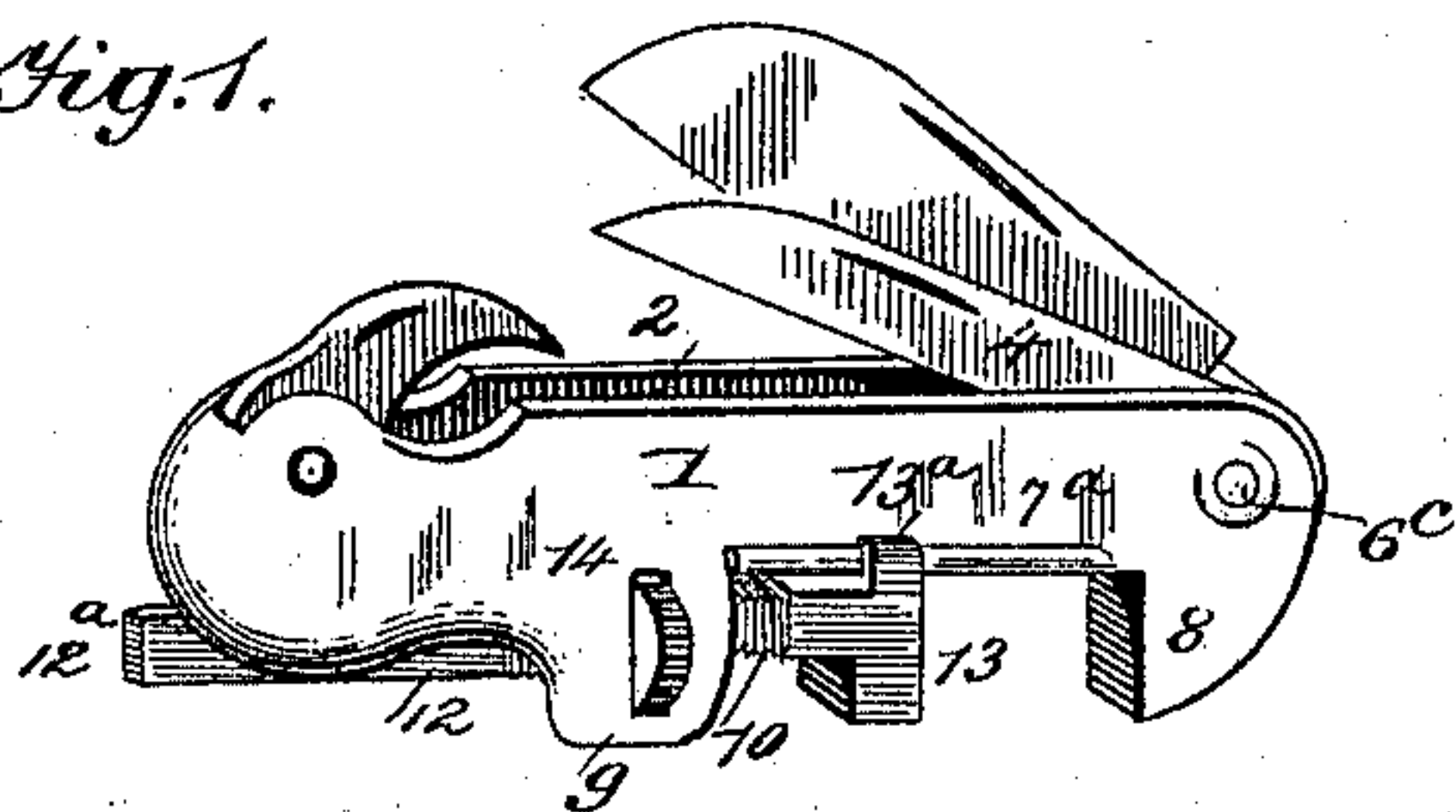


Fig. 2.

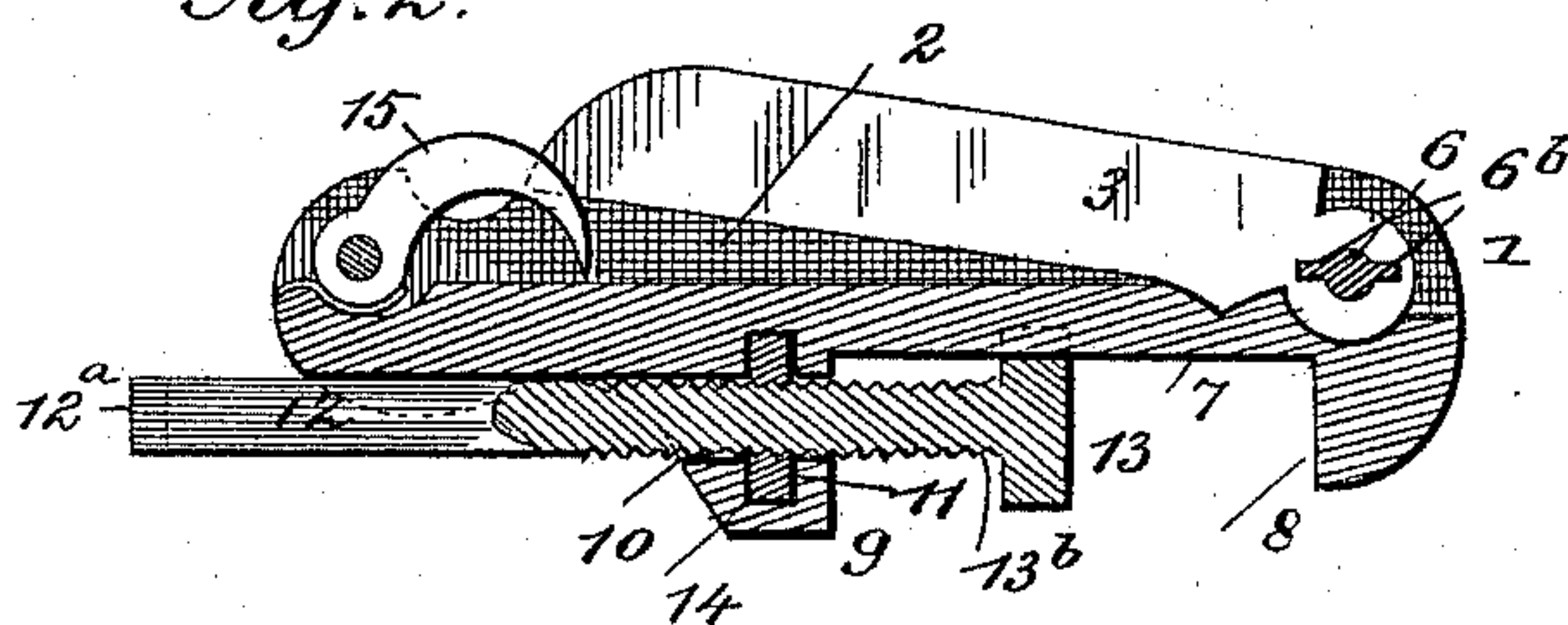


Fig. 3.

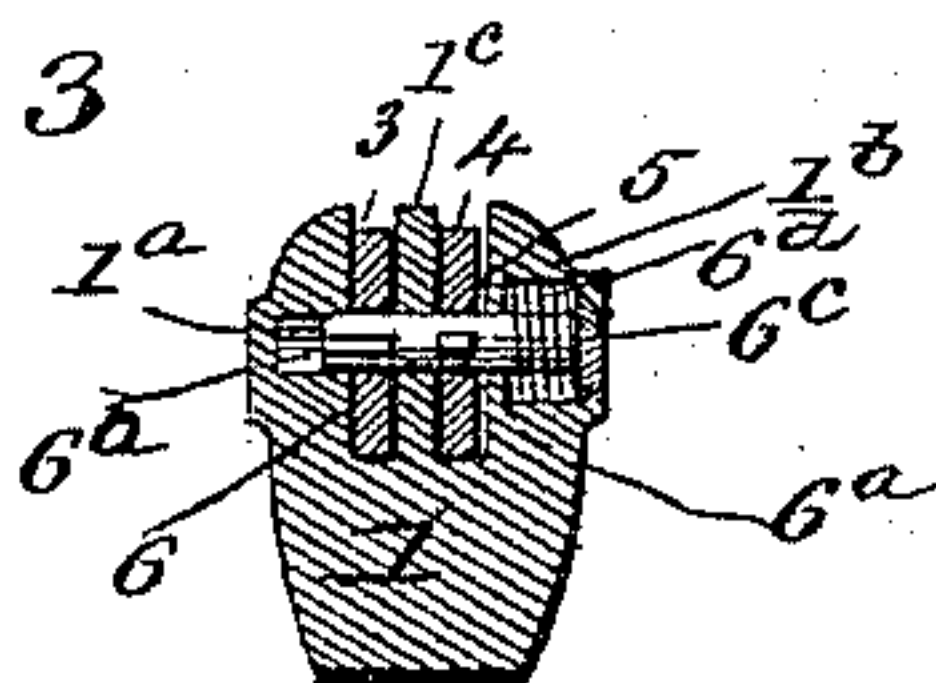


Fig. 4.

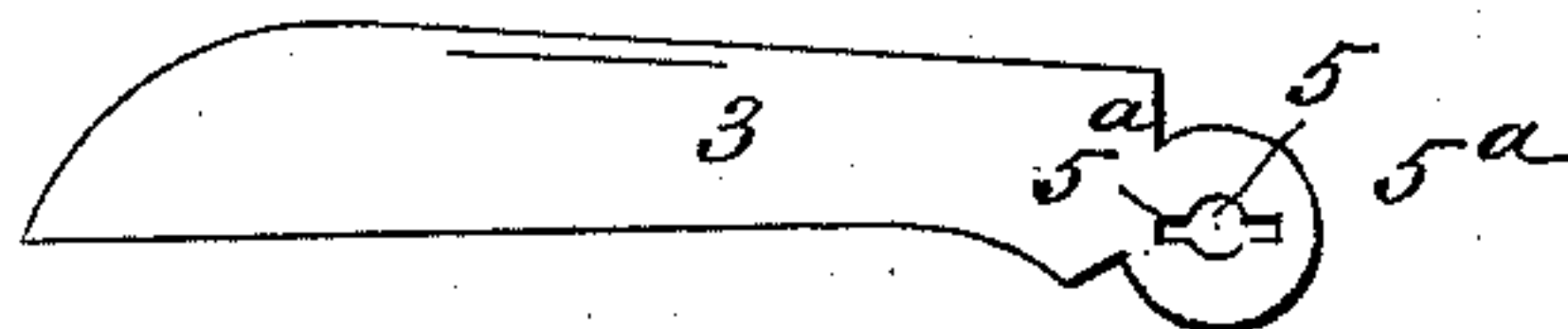
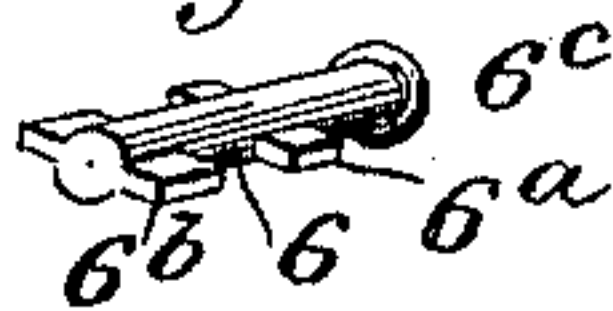


Fig. 5.



WITNESSES

Fred G. Dieterich
A. E. Dieterich

INVENTOR

J. F. Harvey.

BY

A. B. Webb & Co.
ATTORNEYS.

UNITED STATES PATENT OFFICE.

JOHN FRANCIS HARVEY, OF JOHNSONBURG, PENNSYLVANIA.

POCKET-KNIFE.

SPECIFICATION forming part of Letters Patent No. 603,847, dated May 10, 1898.

Application filed June 2, 1897. Serial No. 639,160. (No model.)

To all whom it may concern:

Be it known that I, JOHN FRANCIS HARVEY, a citizen of the United States, residing at Johnsonburg, in the county of Elk and State of Pennsylvania, have invented certain new and useful Improvements in Pocket-Knives; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention, while in its specific nature relating to an improved pocket-knife, generally refers to that class of knives having the stock arranged to embrace several auxiliary implements—such as champagne-opener blades, screw-driver, and wrench devices; and primarily this invention has for its object to provide an implement of this character of a very simple and inexpensive nature, which can be easily manipulated and which will effectively serve for its intended purposes.

The invention consists in the peculiar combination and novel arrangement of parts, such as will be first described and then especially pointed out in the appended claims, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of my improvement. Fig. 2 is a vertical longitudinal section of the same, the blades being shown closed. Fig. 3 is a transverse section taken through the knife-pintle end. Fig. 4 is a view of one of the blades; and Fig. 5 is a view of the combined blade, pivot, and lock member, hereinafter specifically referred to.

In its practical construction my invention comprises a body portion 1, having the usual blade-receiving pocket 2 at one end and in practice preferably provided with a champagne blade-opener 15, spring-held to either its outer or inner position by means of the spring 15^a, as shown in Fig. 2. It is also my purpose in practice to construct the body 1 with a pendent portion, forming one jaw 8 of the wrench, and at some distance from such jaw with the pendent member 9, having a slot arranged lengthwise thereon, in which is held to freely slide a wrench-jaw 13, the shank member of which has threads 13^b, and its outer end terminating in a screw-driver point 12^a, and to hold the jaw 13 in the proper aline-

ment with the body 1, such head has guide-faces provided with a flange 13^a to engage a lateral flange 7^a on the body 1, as clearly shown in Fig. 1. The pendent portion 9 is also provided with a transverse socket, in which is held the mill-nut 14, which engages the shank 12, and by means of which the movable jaw 13 is adjusted in or out, as desired.

The knife-blades 4 and 3 in practice are separated by an intermediate member 1^c, as shown in Fig. 3, which member, as also the blades, is provided with a pintle-aperture 5, having lateral notches 5^a to receive the lateral lugs 6^a 6^b on the pintle 6, the outer end of which has a hedge 6^c, which is adapted to fit and move on the socket 1^b in one side of the body 1, and is normally held to its outermost position by the spring 6^d. The body 1 also has a socket 1^a, in which the end of the pintle and the outer edge of the hedge 6^c fits, such socket in practice having side extensions to receive such lugs.

As shown in Fig. 3, it will be noticed that the pintle is of such a length that when the parts are in their normal position its outer end extends into the socket 1^a, and as its lock 6^b also engages such socket such bolt or pintle is held from turning, it being also observed that when the blades are at their extreme innermost or outermost position—that is, when their notches 5^a are in line with the lugs 6^a 6^b—such lugs engage the said notches 5^a and lock the blades to their closed or open position.

By providing an intermediate member 1^c it is obvious that if it is desired to open the small blade 4 the pintle 6^c is pushed inward until its lug 6^a clears the blade 4 and enters the space in the member 1^c, it being obvious that as soon as the lug 6^a clears the blade and as pressure is released on the head 6^a the tension of the spring will force the lug 6^a against the side of the blade, and thereby hold it from swinging too freely on its pivot.

By making the lug 6^b of a somewhat greater length than the lug 6^a a double purpose is effected in that the blade 4 can be released without the lug 6^b clearing the blade 3.

While I have shown my improvement as combined with a knife-stock having wrench, screw-driver, and champagne-opener devices,

it is obvious that the same may be used with the ordinary knife-stock.

From the foregoing description it is thought the advantages of my improvement will be readily understood. The same forms a compact and complete implement for bicyclists' use, which can be conveniently manipulated and when the parts are closed in can be readily carried in the pocket like an ordinary pocket-knife. These several parts are so joined as to produce a very strong and durable construction.

It is obvious that by providing a spring-pintle for the blades constructed as shown and dispensing with the usual back spring for the blade the knife can be readily opened with one hand, as it is only necessary to press upon the pintle 6 inward sufficient for the lugs to clear the blades, when either can be swung out by gravity.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a pocket-knife as specified, the combination with the body 1 having a central division 1^c, the knife-blades held in the upper

face of such body, said blades and central member having pintle-apertures provided with lateral notches 5^a 5^a, a body having sockets 1^a and 6^d and the pintle 6 having lugs 6^a 6^b and means for holding such pintle normally in a locked engagement with the blades as shown and described.

2. The combination with the body member having a knife-socket in its upper edge, a lateral socket 1^a and 6^a, blades 3 and 4 having a pintle-aperture provided with lateral notches 5^a 5^a, of the pintle, said pintle-aperture having a lug 6^a adapted to engage the notches in the blade 4 and a lug 6^b of greater width than the blade 3, whereby it will normally project into the socket 1^a and hold the pintle from turning, said pintle having endwise movement in the blade and in its bearings in the body 1, the spring for holding such body to its normal position, all being arranged substantially as shown and for the purposes described.

JOHN FRANCIS HARVEY.

Witnesses:

M. H. WALSH,
J. M. KRAUSS.