

D. W. BRYANT.
POCKET KNIFE.
APPLICATION FILED MAY 14, 1910.

975,015.

Patented Nov. 8, 1910.

Fig. 1.

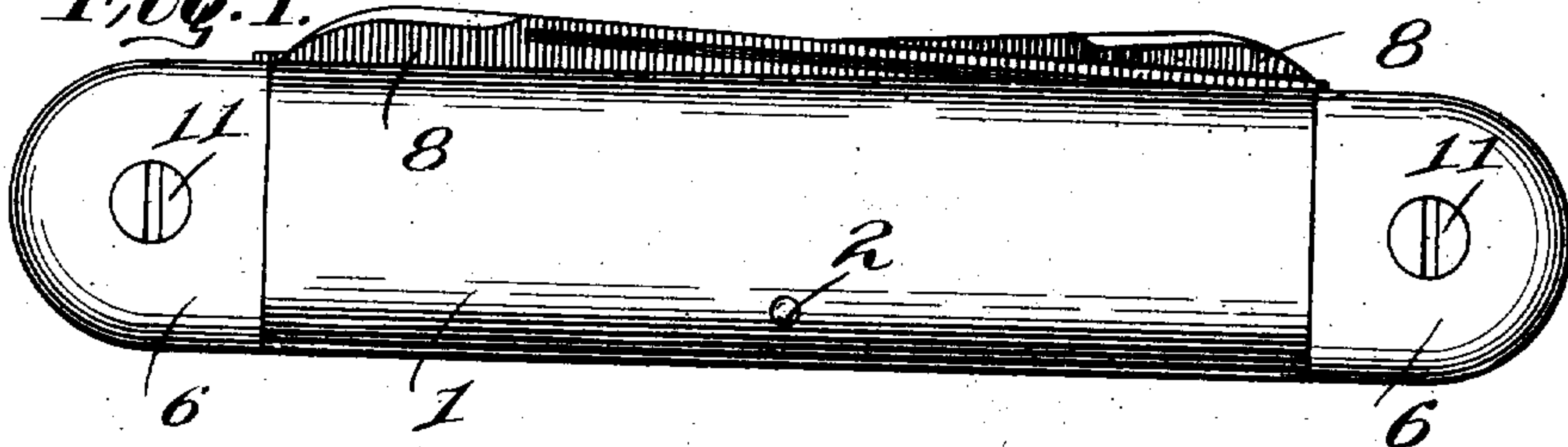


Fig. 2.

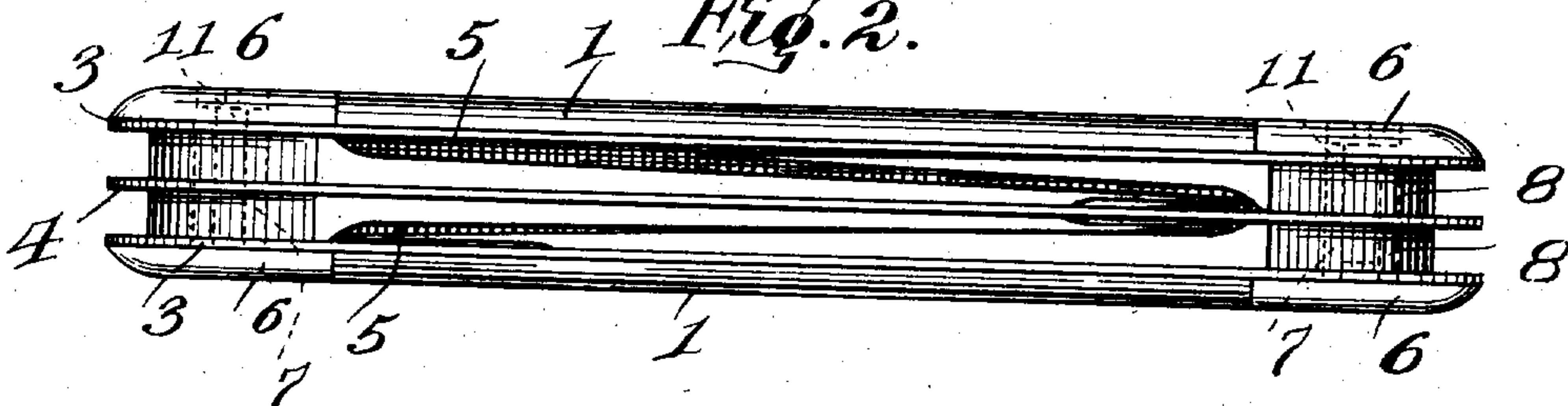


Fig. 3.

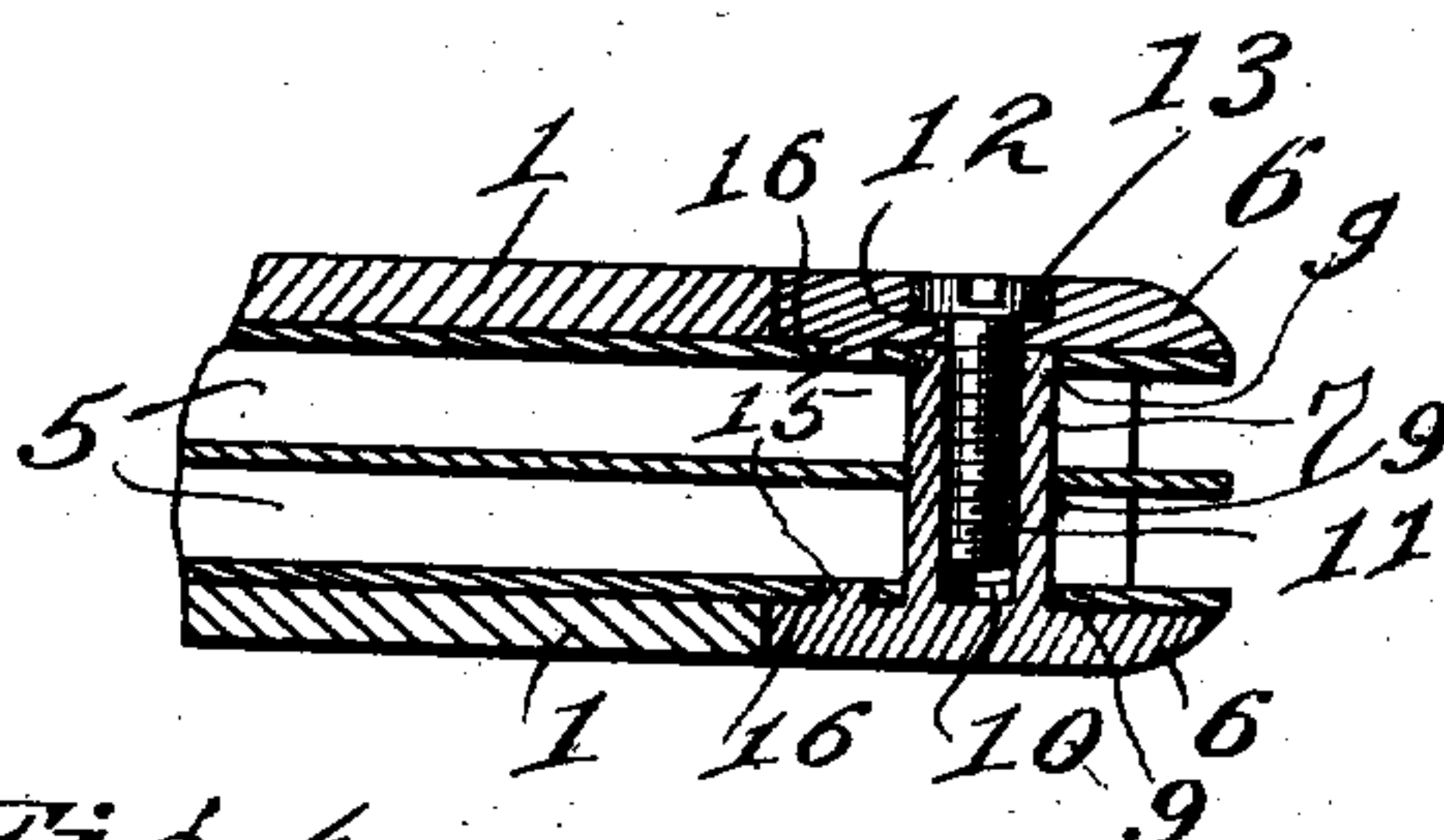
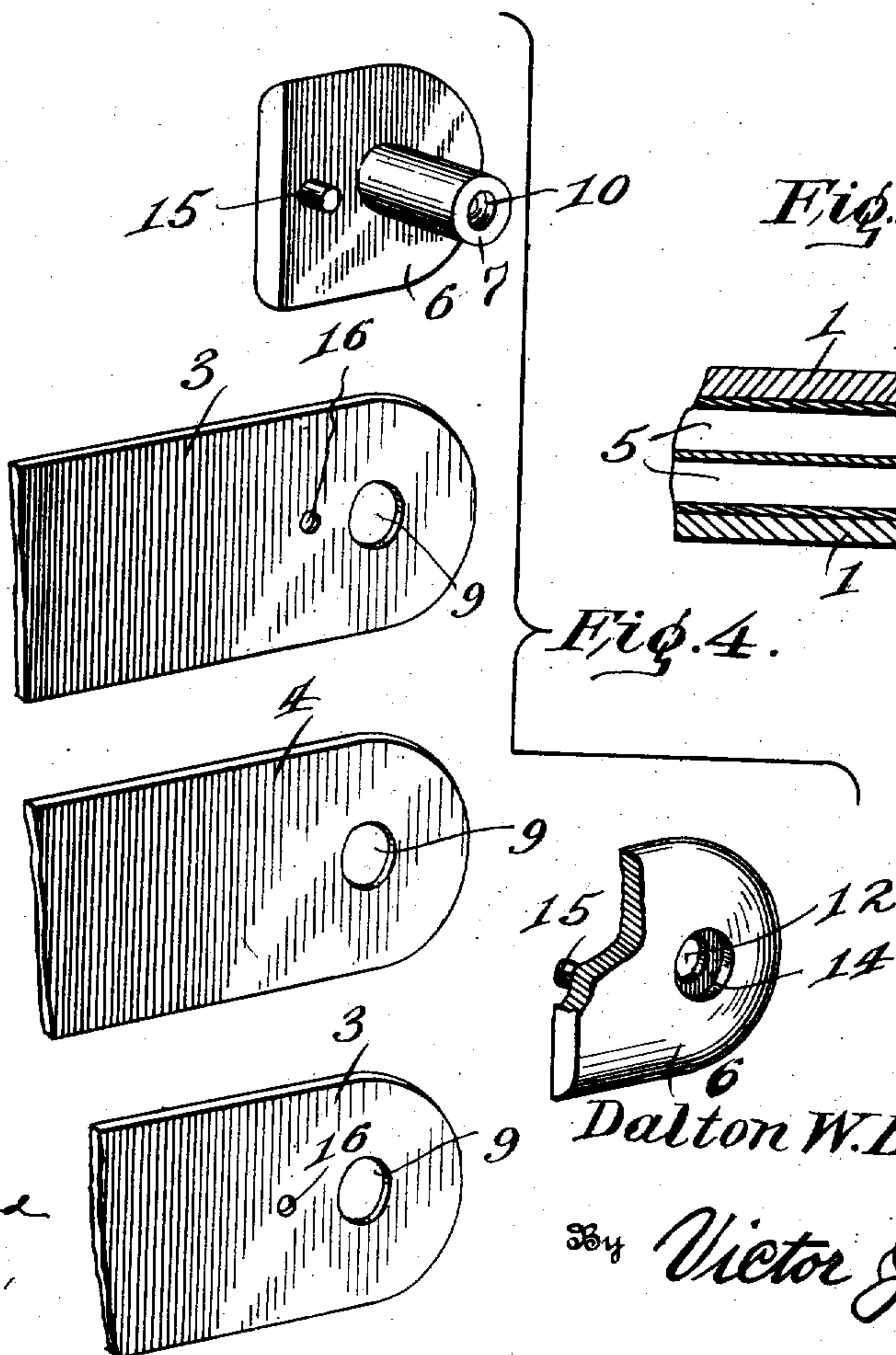


Fig. 4.



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POCKET-KNIFE.

975,015.

Specification of Letters Patent.

Patented Nov. 8, 1910.

Application filed May 14, 1910. Serial No. 561,356.

To all whom it may concern:

Be it known that I, DALTON W. BRYANT, a citizen of the United States, residing at Carbondale, in the county of Lackawanna and State of Pennsylvania, have invented new and useful Improvements in Pocket-Knives, of which the following is a specification.

This invention relates to pocket knives and more particularly to the construction of the handle into which the blade or blades close.

The invention has for one of its objects to provide an improved handle of that type in which the parts are detachably connected together so that the blades can be readily taken out and new ones substituted when desired.

Another object of the invention is to improve and simplify the construction of knife handles so as to be comparatively easy and inexpensive to manufacture, of durable and substantial design, and composed of comparatively few parts.

With these objects in view and others as will appear as the description proceeds, the invention comprises the various novel features of construction and arrangement of parts which will be more fully described hereinafter and set forth with particularity in the claims appended hereto.

In the accompanying drawings, which illustrate one embodiment of the invention:—Figure 1 is a side view of the knife. Fig. 2 is a plan view thereof. Fig. 3 is a detail sectional view of one end of the handle with the blades removed. Fig. 4 is a detail perspective view of the parts at one end of the handle with the exception of the blades and their springs, the said parts being separated in their proper relative positions.

Similar reference characters are employed to designate corresponding parts throughout the several views.

In the present instance, I have selected to illustrate the invention as applied to a four blade knife, but it is to be understood that the number of blades can be varied as desired without affecting the principle of the invention.

Referring to the drawing, 1 designates the side members of the handle, which are fastened together by a rivet 2, which passes through the said members and the intervening parts. These intervening parts consist

of lining plates 3, a separating plate 4, and blade springs 5, the said plate extending the full length of the handle. At the ends of the side members 1 are cap pieces 6, which bear against the portions of the lining plates that project beyond the side members of the handle. These cap pieces are connected together in such a manner that they can be readily taken apart and put together. One piece is provided with a stud 7 that is round in cross-section and of such length as to extend to the opposite cap piece so that the stud forms a pivot for the blades 8. The said stud passing through openings 9 in the plates 3 and 4. The stud is bored out longitudinally and is provided with screw threads 10 with which engages a screw 11 that passes through an opening 12 in the opposite cap piece opposite from that on which the stud 7 is formed, and the head 13 of the screw is countersunk or set into a recess 14 in the cap piece. The inner edges of the cap pieces meet the end edges of the side members of the handle so that the cap pieces cannot turn, but to provide additional means for preventing turning, each cap piece has an inwardly extending projection 15 on its inner face that engages in an opening 16 in the adjacent lining plate 3, but this projection does not extend so far inwardly as to interfere with the knife blades.

With a construction of this character, it is a simple matter to take off a blade, as the cap pieces that carry the blade pivots can be detached simply by removing the screws 11, and the assembling of the parts is correspondingly easy.

From the foregoing description taken in connection with the accompanying drawings, the advantages of the construction and of the method of operation will be readily apparent to those skilled in the art to which the invention relates, and while I have described the principle of operation of the invention, together with the device which I now consider to be the best embodiment thereof, I desire to have it understood that the device shown is merely illustrative and that such changes may be made when desired as are within the scope of the claims.

What I claim as new and desire to secure by Letters Patent is:—

1. In a knife, the combination of handle members, lining plates having their ends extending beyond the handle members and the projecting portions of the lining plates hav-

ing separate openings; cap pieces at each
end of the plates bearing against the project-
ing portions of the plates and each having
projections engaging in one of the openings,
5 one cap piece at each end having a screw re-
ceiving opening and the other cap piece at
each end having a stud passing through the
other openings of the lining plates, said
studs being bored and tapped, screws pass-
10 ing through the screw receiving openings of
the said cap pieces and engaging in the
studs, and blades mounted pivotally on the
studs.

2. In a knife, the combination of handle
15 members, lining plates secured thereto and
projecting beyond the ends of the members,
a blade separating plate, said lining plates
having alining openings, a cap piece bear-
ing against one of the lining plates and hav-

ing a stud extending through the openings 20
of all the plates, a cap piece bearing against
the other lining plate and having an open-
ing, a screw passing through the opening
and engaging in the stud, projections on the
inner faces of the cap pieces, said lining 25
plates having apertures into which the said
projections engage for preventing turning
of the cap pieces, and blades disposed be-
tween the lining and separating plates, said
blades having openings through which the 30
stud projects to form a pivot for the blades.

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

DALTON W. BRYANT.

Witnesses:

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FREDERICK O. MEDLER.