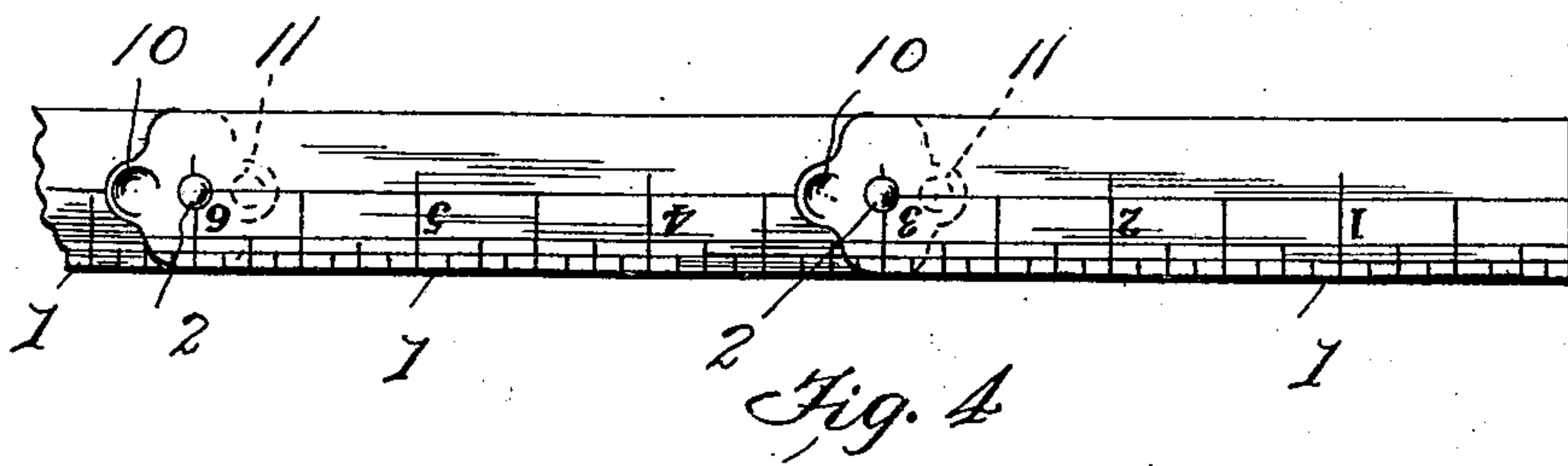
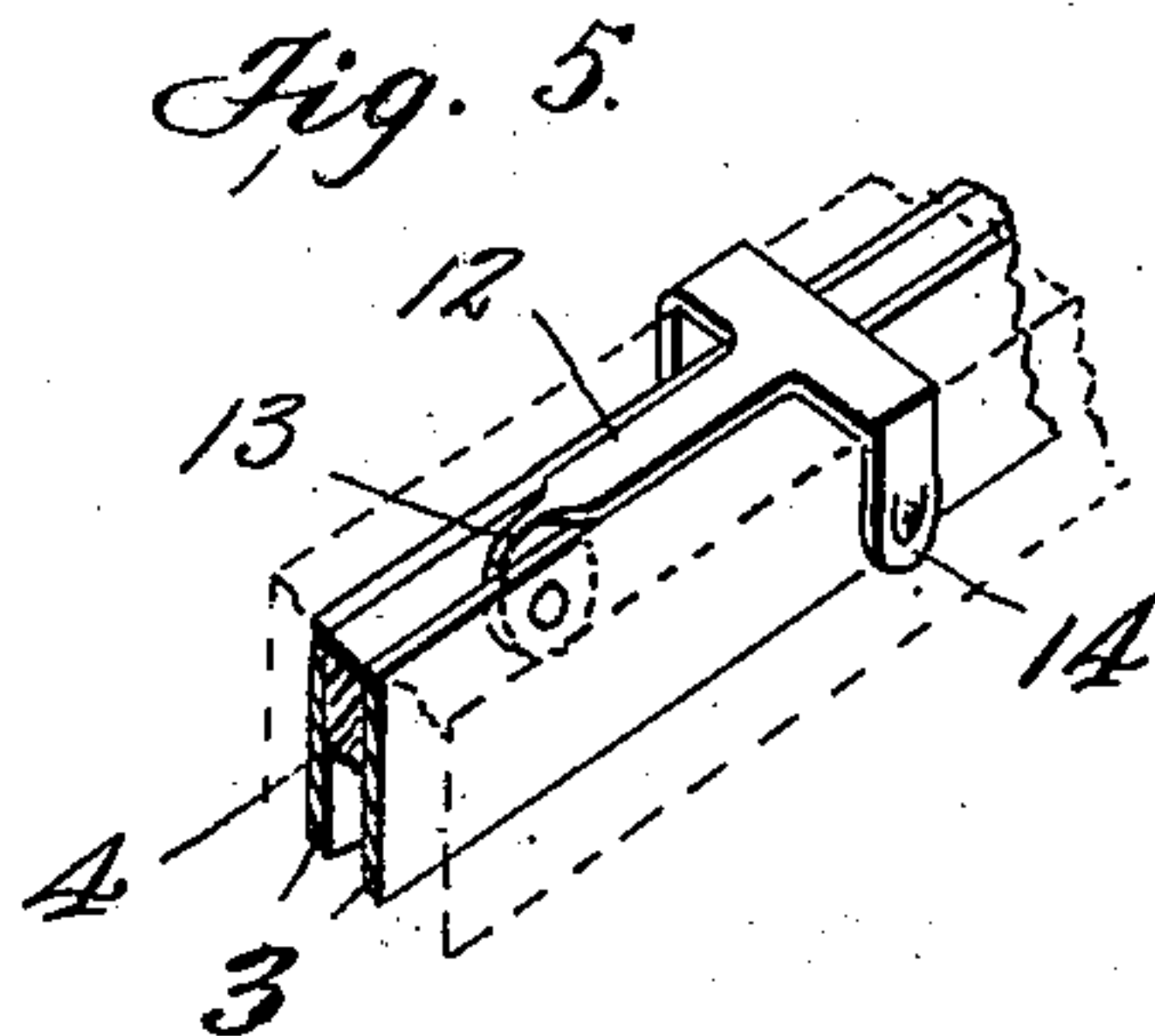
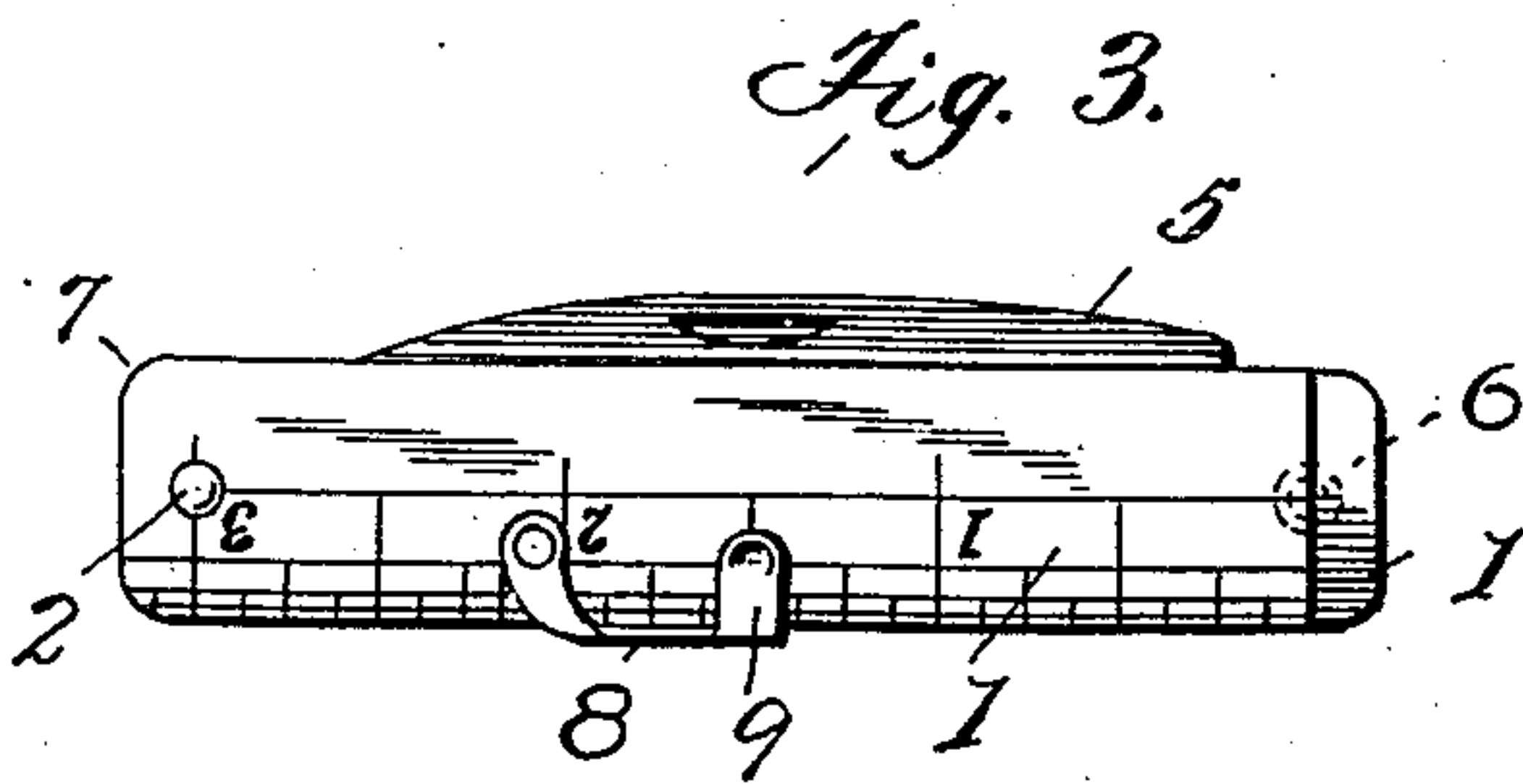
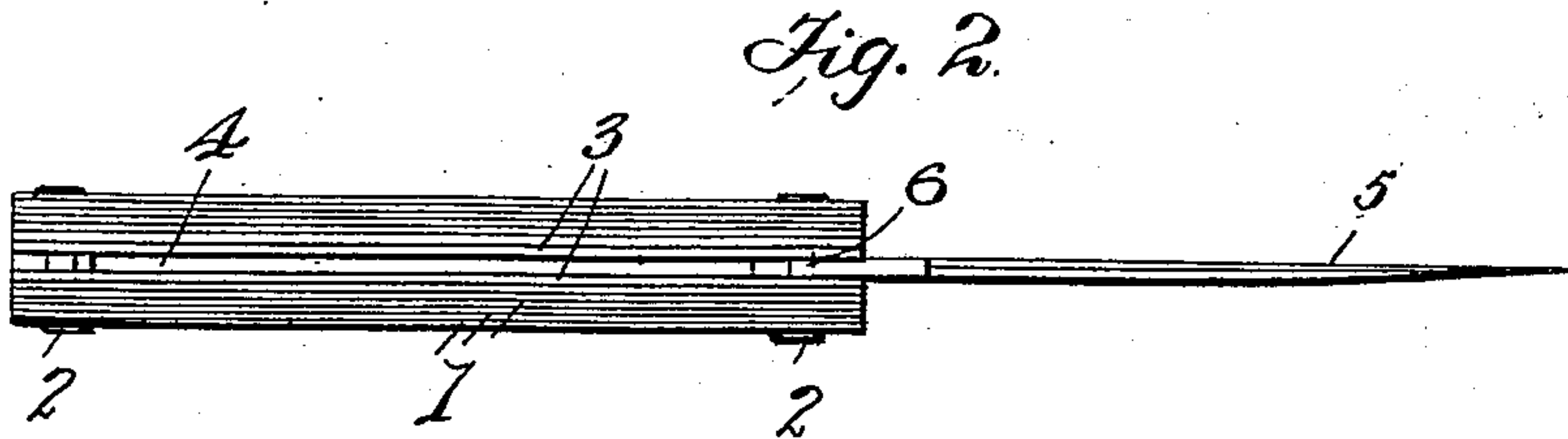
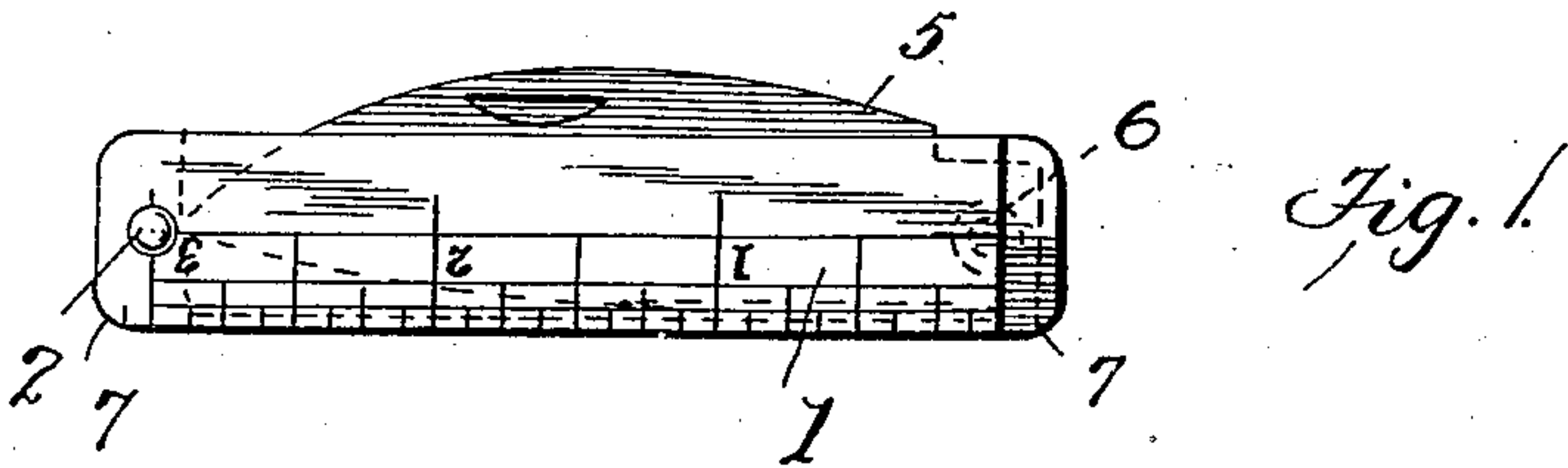


No. 869,759.

PATENTED OCT. 29, 1907.

A. WEBER.
COMBINATION TOOL.
APPLICATION FILED JUNE 6, 1907.



Anton Weber

WITNESSES
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UNITED STATES PATENT OFFICE.

ANTON WEBER, OF BUTTE, MONTANA.

COMBINATION-TOOL.

No. 869,759.

Specification of Letters Patent.

Patented Oct. 29, 1907.

Application filed June 6, 1907. Serial No. 377,557.

To all whom it may concern:

Be it known that I, ANTON WEBER, a citizen of the United States, residing at Butte, in the county of Boyd and State of Montana, have invented certain new and useful Improvements in Combination-Tools, of which the following is a specification.

My invention relates to improvements in combination tools, and has for its object, the provision of a combined knife and rule which shall be of extremely simple and durable construction and which shall be practical and desirable in every respect.

Another object of my invention is the provision of a compound tool the rule portion of which shall be of comparatively great length to afford great measuring capacity and which at the same time may be folded to compact form, the cutting blades being centrally located in the instrument so as to be readily accessible.

With the above and other objects in view, my invention comprises a rule made in foldable sections, one of said rule sections being hollow to form a sheath, and one or more cutting blades pivoted in the sheath section of the rule.

The invention further consists of a combined rule and knife embodying certain other novel features of construction, combination and arrangement of parts substantially as disclosed herein and as illustrated in the accompanying drawings, in which:

Figure 1, is a side elevation of my improved knife and rule in folded position. Fig. 2, is a front edge view of the same with the knife blade in the open or extended position. Fig. 3, is a detail view of the clip for holding the rule sections in assembled position to form a handle for the knife. Fig. 4, is a broken detail view of a modified form of joint between the rule sections. Fig. 5, is a detail view of a modified form of clip for retaining the rule sections in handle formation.

The rule consists of a series of rule sections 1, preferably made of flat thin metal in convenient lengths of from three to six inches each, the sections being connected together by means of the pivot pins or studs 2, to allow the sections to be folded one against the other. One of the rule sections, preferably the central one of the series consists of the two parallel side plates 3, which are preferably of heavier material than the other rule sections and secured between the side members of this double section, is a spring 4, such as is used in pocket knives, the spring serving to hold the side plates in spaced relation, the whole thereby forming a sheath, for the reception of one or more knife blades 5. This knife blade is pivoted between the side plates at one end, by means of the rivet or stud 6, the rivet also serving as a common joint for the next adjacent rule section. The

spring 4, bears upon the end of the blade to hold the same open or closed, and this spring forms the back to the knife section of the rule. The ends of the rule sections preferably have their corners beveled or cut away as at 7, so that when folded to form a handle for the knife blade, the rule sections do not present any sharp corners.

In order to hold the rule sections in folded or handle form, a clip 8, may be hinged to one of the outer rule sections, this clip passing across the back of the handle or folded rule sections and having a pair of spring arms 9, to embrace the outermost sections and clamp the parts in assembled relation.

As shown in Fig. 4, means may be provided for retaining the rule sections in straight extended position. In this construction, ribs or projections 10, are stamped or formed on the ends of the rule sections which are adapted to engage the corresponding seats or recesses 11, formed in the adjacent rule section, a spring action existing between the locking projections and the seats for the same so as to frictionally lock the parts in proper position.

In Fig. 5, is shown another method of retaining the rule sections folded in handle form, in which a clip 12, is formed with a narrow or restricted end 13, which is pivoted in a recess in the back of the knife section, the clip having diverging ends or arms 14, which engage the outer rule sections and hold the sections folded.

From the foregoing description taken in connection with the drawings, the many advantages and usefulness of my invention will be readily appreciated and it will be apparent that I have provided a combination rule and knife which accomplishes all the results herein disclosed as the objects of my invention.

I claim:

1. The combination with a series of jointed rule sections, of one or more knife blades pivoted in one of the innermost rule sections, said rule sections being pivoted flatwise on both sides of the knife section of the rule so as to fold one upon the other and form a handle for the knife blade or blades, and clamping means for securing the rule sections in folded arrangement.

2. The combination with a knife casing and suitable blades arranged therein, of flat rule sections having their ends connected together by pivot joints, the sections adapted to fold one upon the other in flat relation on each side of the knife casing so as to form a handle, the sections on the opposite sides of the knife being connected to opposite ends of the knife casing.

3. The combination with a knife casing and suitable blades or a blade arranged therein, of flat rule sections having their ends connected together by pivot joints, the sections adapted to fold one upon the other in flat relation on each side of the knife casing so as to form a handle, the sections on the opposite sides of the knife be-

ing connected to opposite ends of the knife casing, and a clamp provided with clamping arms, the clamp so pivoted that the arms overhang the rule sections when folded and clamp the whole together as a unitary knife handle.

- 5 4. The combination with a knife casing and one or more knife blades arranged therein, of flat rule sections pivoted together, the sections adapted to fold one upon another in flat relation on each side of the knife casing so as to form a handle, and a clasp pivoted at the back

of the knife casing having clamping jaws to engage the rule sections and clamp the whole together as a knife handle. 10

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

ANTON WEBER.

Witnesses:

P. L. MILLER,
BURT. MARSH.