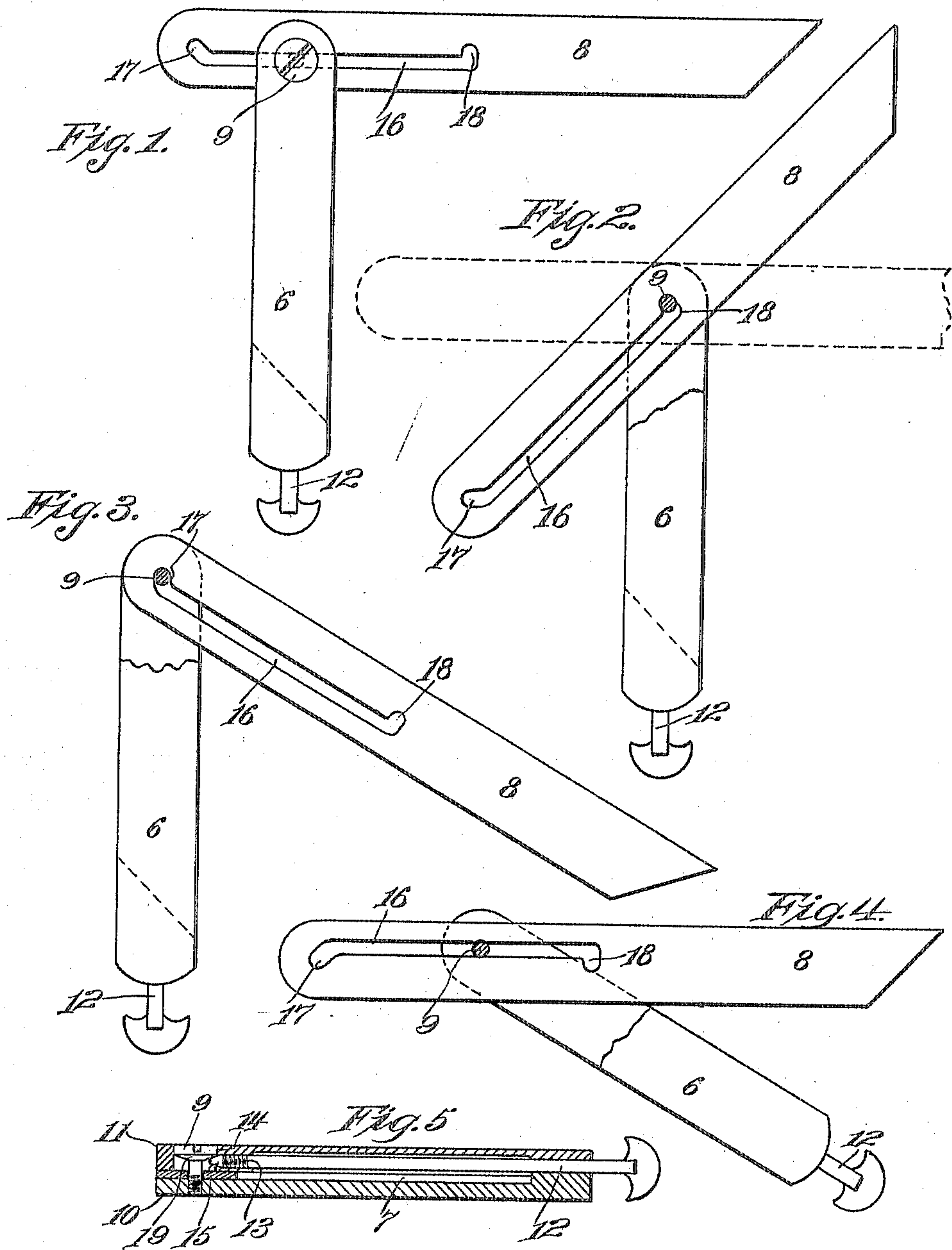


No. 817,205.

PATENTED APR. 10, 1906.

F. L. TRAUT.
MEASURING INSTRUMENT.
APPLICATION FILED OCT. 31, 1904.



Witnesses:

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Fred. W. Barnard.

Inventor:

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UNITED STATES PATENT OFFICE.

FRANK L. TRAUT, OF NEW BRITAIN, CONNECTICUT.

MEASURING INSTRUMENT.

No. 817,205.

Specification of Letters Patent.

Patented April 10, 1906.

Application filed October 31, 1904. Serial No. 230,623.

To all whom it may concern:

Be it known that I, FRANK L. TRAUT, a citizen of the United States, residing in New Britain, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Measuring Instruments, of which the following is a specification.

This invention has reference to that class of instruments by which measurements are determined or ascertained, and while applicable to any of such devices to which it may appear desirable to extend the same it is in the present instance applied to bevels.

It is an object of the present invention to provide an instrument capable of a variety of adjustments in planes angularly related to a stock and also to various lateral adjustments with relation to any of the said planes.

An embodiment of the invention is disclosed on the accompanying sheet of drawings, whereon—

Figure 1 illustrates a bevel with its blade projecting beyond the extremity of the stock. Fig. 2 illustrates said blade shifted to a position such that its outer edge registers with said stock extremity. Fig. 3 is a view similar to Fig. 2, the plane of the blade with relation to the stock simply being altered. Fig. 4 shows the blade shifted to a position such that the outer edge extends below the stock, and Fig. 5 is a detailed sectional view showing the locking means.

In the figures similar characters of reference apply to like parts.

The stock 6 may be of any suitable type, having, of course, the usual slit or opening 7, in which may be lodged the blade 8. A locking device 9, such as set-screw or such other similar device as may be deemed preferable, may be located near one extremity of the stock 6, and this device, in conjunction with a member 12, is adapted to squeeze together the two walls 10 and 11, respectively, of said stock in order that the blade 8 may be rigidly locked and maintained in any desirable position. For actuating said device 9 there is provided in the present instance a shaft 12, whose inner extremity may be screw-threaded, as at 13, into a bearing 14 in the body of the stock, and this shaft may—for instance, as shown—be provided with a tapering bearing 15, adapted to engage with said device, the engagement in the present instance occurring at an under beveled face 19 of the device 9, it being understood as the shaft is

projected forward the tendency is to draw the part to which the device is secured toward the part in which said device is free to move.

The blade 8 in the present instance may be provided with a path 16 for the locking means, and which preferably may be a slot or groove, which in the present instance may, if preferable, be located laterally of the central longitudinal axis of said blade or along one edge thereof, and either terminal of said path may be formed into offset portions 17 and 18, respectively, the former of which in the present instance may be located obliquely to the plane of said path and the latter substantially at right angles thereto, and both extend over the central longitudinal axis of said blade 8 toward the edge opposite to that along which the path is located. It is to be understood, of course, that this path permits the passage in various directions of the blade 8 with reference to the device 9.

The various figures on the drawings are explanatory of the operation of the instrument, and they show some of the various positions in which the blade can be placed with relation to the stock.

It may here be remarked that in placing the path hereinbefore mentioned to one side of the central longitudinal axis of the blade or along one edge thereof a variety of lateral adjustments—lateral with respect to the locking-bolt—may be accomplished and that this lateral adjustment may, if desired, be further extended within limits by the offset portions.

Having thus described my invention, I claim—

1. In a device of the character specified the combination with a stock, of a blade, having parallel edges, and provided with a slot nearer one of its edges than the other and parallel with one of said edges, said slot being offset at both of its terminals, the offsetting of one terminal being substantially at right angles and the other substantially oblique to the longitudinal axis of said blade, a screw carried by the stock and traversing said slot for causing the stock to bear against the blade and thereby lock the latter in any given position with respect to the stock, means for actuating the screw, said slot permitting the edge of said blade to be relatively adjusted with respect to the stock extremity both within and without the boundaries of said extremity.

2. In a device of the character specified,
the combination of a blade and stock of sub-
stantially equal width, the blade having par-
allel edges and provided with a slot parallel
5 with one of said edges and nearer to said edge
than to the other, a screw carried by the
stock and occupying a position in the central
longitudinal line thereof and traversing said
slot for clamping the blade and stock in posi-
10 tions of relative adjustment, said blade also
having a slot offset inwardly of the blade
from said parallel slot for said screw to trav-
erse for permitting lateral shifting of the blade

and positioning the same with the axis of the
screw in the longitudinal central line of the 15
blade for permitting said longitudinal cen-
tral lines to meet at the axis of said screw and
for permitting the edge of said blade to be
relatively adjusted with respect to the stock
extremity both within and without the boun- 20
daries of said extremity.

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Witnesses:

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