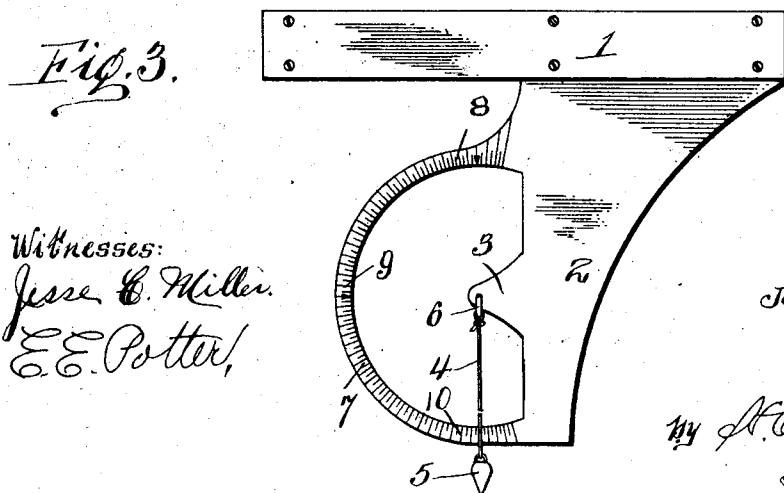
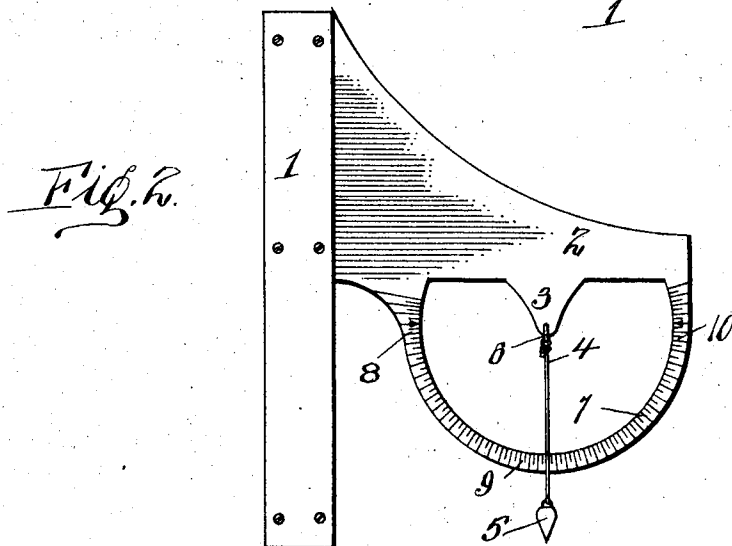
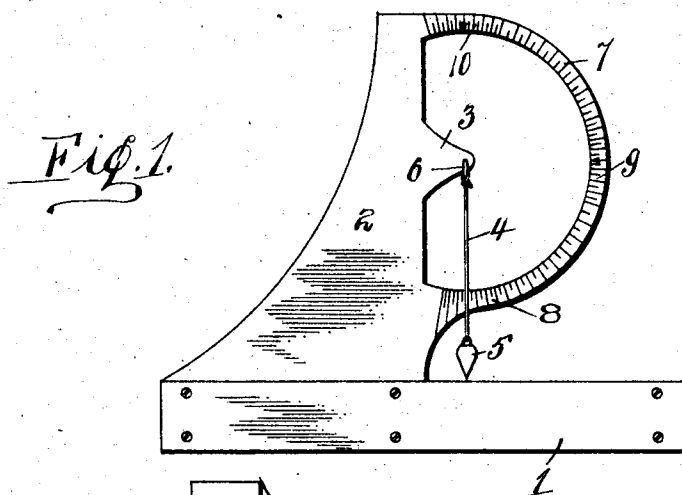


No. 834,765.

PATENTED OCT. 30, 1906.

J. SECHLER.
PLUMB LEVEL.

APPLICATION FILED JULY 18, 1906.



Witnesses:
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UNITED STATES PATENT OFFICE.

JACOB SECHLER, OF ECONOMY, PENNSYLVANIA.

PLUMB-LEVEL.

No. 834,765.

Specification of Letters Patent.

Patented Oct. 30, 1906.

Application filed July 16, 1906. Serial No. 326,460.

To all whom it may concern:

Be it known that I, JACOB SECHLER, a citizen of the United States of America, residing at Economy, in the county of Beaver and State of Pennsylvania, have invented certain new and useful Improvements in Plumb-Levels, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to a combination plumb and level, the object being to provide a device which will serve the double purpose of a plumb and a level and to use the plumb-bob as a substitute for the so-called "spirit-level."

The invention comprises a base-bar serving as a straight-edge, a plate projecting therefrom provided with a segmental gage, and a plumb-bob suspended from said plate in such a manner as to adapt it to register with the gage at different points thereon.

The construction of the improvement will be fully described hereinafter in connection with the accompanying drawings, which form a part of this specification, and its novel features will be defined in the appended claims.

In the drawings, Figure 1 is a side elevation of the improved plumb-level in position for use as a level. Fig. 2 is a similar view showing the base-bar of the device in vertical position, adapting it for use as a plumb; and Fig. 3 is a similar view showing the base-bar in horizontal position, with the plate and plumb-bob depending therefrom.

The reference-numeral 1 designates a base-bar or straight-edge, to which is secured a plate or standard 2, the latter being preferably curved on its outer edge and provided on its opposite edge with a projecting lug 3, from which is suspended, by means of a cord 4, a plumb-bob 5. The means for securing the cord to the lug 3 may be varied, but should be of such a character as to permit of a free movement of the cord with slight friction. The connection for this purpose here shown comprises a ring 6, fitting an opening in the lug, and the suspending-cord is secured in any suitable manner to the ring.

The gage 7 is a segment preferably formed integral with the plate 2 and provided at its center and its ends with graduations 8, 9, and 10, serving as indicators.

When the device is to be used as a substitute for the spirit-level, the base is applied to the surface to be leveled, and this may be done by placing the base 1 upon the surface

from above, with the plumb-bob above the base, as shown in Fig. 1, in register with the graduations 8, or by placing the base upon the surface from below, with the bob and gage depending below the base and the bob registering with the graduations 10, as shown in Fig. 3.

When the device is to be used as a plumb, the base is arranged in the vertical position shown in Fig. 2 to adapt the plumb-bob to register with the central graduations 9.

It will be apparent that the device constructed as above described is adapted to serve either as a plumb or level, thus combining in a single simple and inexpensive implement the functions of the two instruments.

As has been suggested above, other means than that shown may be used for securing and suspending the plumb-bob cord, and the invention therefore includes all such variations and modifications as may be resorted to without departing from the terms and scope of the claims.

What I claim, and desire to secure by Letters Patent, is—

1. A combination plumb and level comprising a base-bar, a plate carried by said base-bar and arranged at right angles thereto, a substantially semicircular gage carried by said plate and having each end connected thereto, a lug carried by said plate and arranged centrally of the ends of said gage, said gage being provided with indicating-marks near each end thereof, and an indicating-mark arranged on said gage centrally of the indicating-marks at each extremity thereof, and a plumb-bob suspended from said lug, and adapted to register with either of said indicating-marks.

2. A plumb-level, comprising a base-bar, a plate carried by said base-bar and arranged at right angles thereto, a substantially semicircular gage formed integral with said plate, an integral lug projecting from said plate and arranged centrally of the extremities of said semicircular gage, a plumb-bob suspended from said integral lug, said semicircular gage provided with a series of indicating-marks with which the supporting medium of said plumb-bob is adapted to register.

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

JACOB SECHLER.

Witnesses:

JACOB STOPPEL,
A. L. PATEUR.