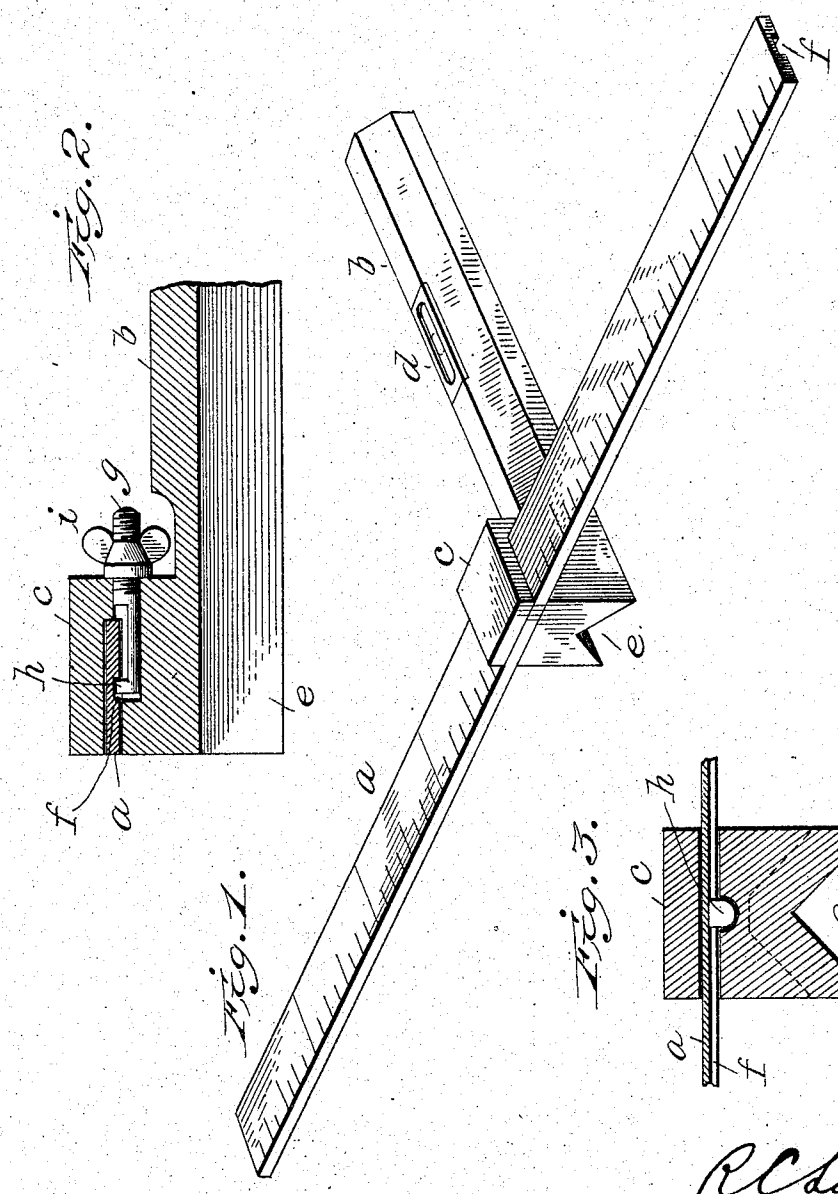
No. 786,824. PATENTED APR. 11, 1905.

R. C. LYNN.

SQUARE.

APPLICATION FILED DEC. 22, 1904.



Witnesses

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No. 786,824. Patented April 11, 1905.

UNITED STATES PATENT OFFICE.

ROBERT C. LYNN, OF YAZOO CITY, MISSISSIPPI.

SQUARE.

SPECIFICATION forming part of Letters Patent No. 786,824, dated April 11, 1905.

Application filed December 22, 1904. Serial No. 237,913.

To all whom it may concern:

Be it known that I, ROBERT C. LYNN, a citizen of the United States of America, and a resident of Yazoo city, county of Yazoo, State of Mississippi, have invented certain new and useful Improvements in Squares, of which the following is a full and clear specification, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view, Fig. 2 a longitudinal section, and Fig. 3 a transverse section, of my device.

The object of this invention is to provide a useful tool for machinists, millwrights, and other engineers and mechanics, and while it has a variety of uses it is especially adapted for placing two or more lines of shafting exactly parallel and level with each other, as more fully hereinafter set forth.

To the accomplishment of this object and such others as may hereinafter appear the invention consists of the parts and combination of parts hereinafter fully described, and particularly pointed out in the appended claims, reference being had to the accompanying drawings, forming a part of this specification, in which the same reference characters designate like parts throughout the several views.

Referring to the drawings by letters, *a* designates a comparatively long straight-edge, which may or may not be provided on its upper face with marks indicating a linear measure. Running the full length of the under side of this bar is a groove *f*. This straight-edge slidably fits a groove or recess formed in the front side of the head *c*, forming an integral part of the forward end of a bar *b*.

In the upper side of the bar *b* is inserted a spirit-level *d*, and in the under side of this bar is formed a central longitudinal groove *e*, **V** shape in cross-section. The straight-edge is clamped in its adjusted position in the slot by means of a bolt *g* extending inward from the rear side of head *c* and lying under the straight-edge, its forward end provided with an upward-extending lug or hook *h*, which engages in groove *f*. A thumb-nut *i*, bearing on the rear wall of the head, is provided for drawing the hook *h* against the adjacent wall of the groove *f* to clamp the straight-edge in place.

It will be observed that when the straight-edge is clamped in the groove its rear edge will bear solidly against the rear wall of the groove, and as this wall is exactly at right angles to the longitudinal center of the **V**-shaped groove in the bottom of the bar the straight-edge will be held at exactly right angles to said groove. By loosening the nut *i* the straight-edge may be adjusted back and forth or may be removed entirely from the head.

It will be observed that when the bar *b* is placed upon the shaft the **V**-groove insures the bar lying exactly parallel with the axial line of the shafting, and the spirit-level indicates whether the shafting is exactly horizontal. It will be seen, therefore, that by simply adjusting the straight-edge to the desired point and locking it it will be a simple matter to line up parallel shafting.

Other uses of the device will readily suggest themselves to a machinist.

It will be apparent to those skilled in the art that various mechanical embodiments of the invention are possible, and therefore I do not wish to be limited to the exact arrangement and construction shown.

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

1. In combination, a bar having a longitudinal **V**-groove in its under side and a longitudinally-extending spirit-level in its upper side and a transverse groove in its forward end, a straight-edge slidably mounted in said groove and lying at exactly right angles to the groove in the under side of the bar and projecting outwardly in opposite directions from said head, and means for clamping said straight-edge in its adjusted positions.

2. In combination, a bar having a longitudinal **V**-groove in its under side and a transverse groove in its forward end, a straight-edge slidably mounted in said groove and lying at exactly right angles to the groove in the under side of the bar and projecting outwardly

in opposite directions from said head, and means for clamping said straight-edge in its adjusted positions.

3. In a tool of the class described, the combination of a bar having a longitudinal groove in its under side and an upward-extending head portion at its forward end, this head portion being grooved transversely in its front side, the rear wall or edge of this groove lying at right angles to the groove in the under side of the bar, a straight-edge working in said groove, and a clamp device consisting of a screw extending into the head from the rear side and provided with a hook engaging the straight-edge and a tightening thumb-nut bearing against the rear face of said head.

In testimony whereof I hereunto affix my signature, in the presence of two witnesses, this 15th day of December, 1904.

ROBERT C. LYNN.

Witnesses:
W. D. LAWSON,
MAURICE WILSON.