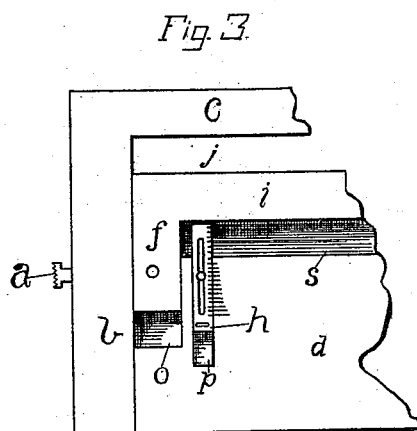
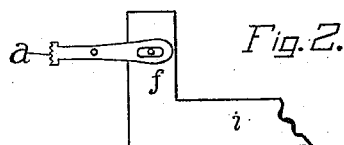
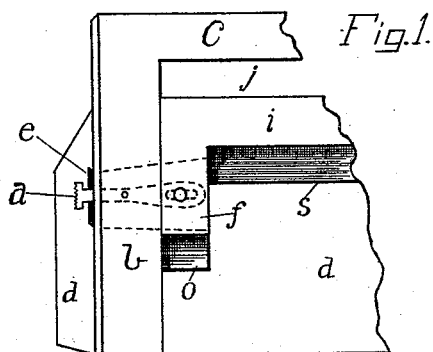


(No Model.)

S. B. WHITESIDE.
DUPLEX LEDGER RULER.

No. 421,877.

Patented Feb. 18, 1890.



Witnesses:

M. C. Galt

James P. Emerson

Inventor,

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By W. R. Beck
his Atty.

UNITED STATES PATENT OFFICE.

SIDNEY B. WHITESIDE, OF LOS ANGELES, CALIFORNIA, ASSIGNOR TO
HAMILTON CAMPBELL, OF NEW YORK, N. Y.

DUPLEX LEDGER-RULER.

SPECIFICATION forming part of Letters Patent No. 421,877, dated February 18, 1890.

Application filed April 19, 1889. Serial No. 307,670. (No model.)

To all whom it may concern:

Be it known that I, SIDNEY B. WHITESIDE, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented a new and useful Improvement in Duplex Ledger-Rulers, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

Figure 1 of the drawings represents a perspective view of one end of my ruler, showing the mechanism in dotted lines for adjusting the movable ruler-plate. Fig. 2 represents the under side of a portion of the movable plate with the adjusting-lever attached thereto. Fig. 3 represents a plan or top view of a portion of the ruler with its sliding gage attached.

My improved ruler is intended for use by book-keepers and draftsmen, and is designed for making parallel lines at any desired distance apart without changing the position of the ruler upon the paper being ruled, and is adapted for closing accounts in ledgers and for drawing parallel lines, and shading lines in drawings and other analogous purposes.

The drawings represent one end or portion of the ruler; but the ends of my improved ruler are exactly alike, each end being provided with adjusting-lever *a*, pivoted in the metal arm *b* of the fixed plate *c* and with the gage-plate *h*. Arm *b* is secured permanently to the wood portion *d* of the ruler, in which a recess is formed at *e* under arm *b*, shown in dotted lines as extending under movable plate-arms *f*, in which a pivot pin or screw is inserted, which passes through a slot in the pivoted lever *a*, which is serrated at its outer end. A flat metal slide *h*, secured to the part *d*, is set down flush with the latter and with the plates *c* and *i* and their arms *b* and *f*, and its slot works upon a countersunk screw and serves as a graduated gage to determine and set the movable plate *i*, and by the adjustment of said plate opening or slot *j* between the two plates *c* and *i* can be widened or nar-

rowed. Depressions formed in part *d* at *o p* allow movable plate and its arms *f* and gaging slides *h* to work back and forth as they are adjusted by the lever *a*.

It will now be apparent that the adjusting and gaging mechanism used at each end of the ruler by manipulation of a person will effect the purpose of closing and opening slot *j* between the plates *c* and *i* to any necessary degree and to retain the plate *i* in such adjusted position, and that the adjustments may be made without changing the position of the ruler upon a book or paper being ruled.

In practice the book-keeper using this ruler to close accounts adjusts the movable plate *i* into such position that the distance between the edge of *i* and the outer or ruling edge of the plate *c* equals the distance required between the two lines usually drawn at the foot of a column in closing the same. He then places the ruler in position so that the ruling-edge of *c* at the foot of the column to be closed and the ruling-edge of *i* are at the line one space below, so that the book-keeper can rule across the foot of the column and then without moving the ruler can rule below the space intended for the footings. The position of plate *i* is changed by moving the adjusting-lever *d* at the ends of the ruler.

Having described my invention, I claim and desire to secure by Letters Patent —

1. The combination of the fixed plate *c b* and adjustable plate *i f* with slotted lever *a* in recess *e* for widening and narrowing opening or slot *j* between the plates *c* and *i* of the ruler, substantially as described.

2. The adjustable graduated slide *h* and adjustable plate *i* of the ruler, in combination with part *d*, plate *c*, and slotted lever *a*, substantially as and for the purpose specified.

In testimony whereof I hereunto set my hand this 30th day of March, 1889.

SIDNEY B. WHITESIDE.

Witnesses:

M. C. GALER,
H. P. K. PECK.