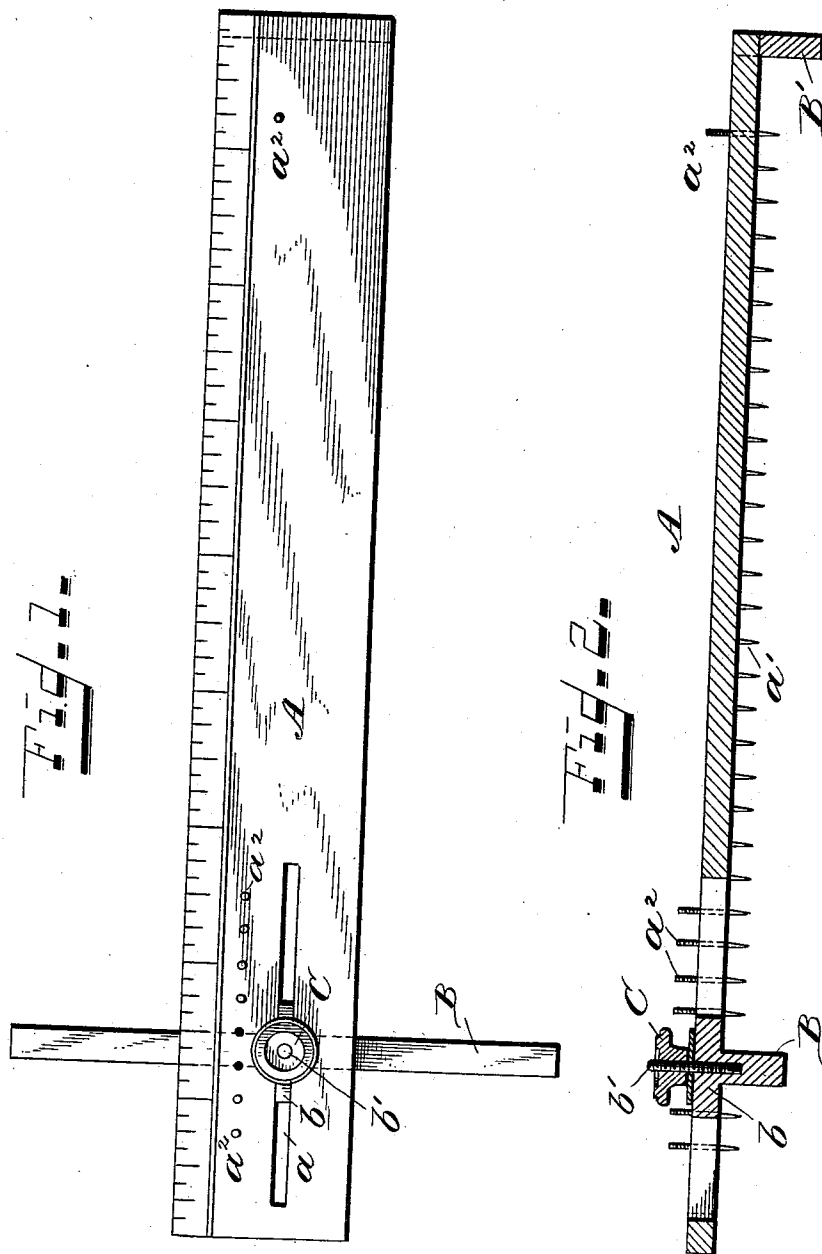


(No Model.)

A. BECHMANN.
SLATE RULER.

No. 509.356.

Patented Nov. 28, 1893.



Witnesses.
Thomson & Cross
P. W. Sommers

Inventor:
Albertina Bechmann,
by *Geo. B. Parkinson,*
Her Attorney.

UNITED STATES PATENT OFFICE.

ALBERTINA BECHMANN, OF CINCINNATI, OHIO.

SLATE-RULER.

SPECIFICATION forming part of Letters Patent No. 509,356, dated November 28, 1893.

Application filed July 10, 1893. Serial No. 480,034. (No model.)

To all whom it may concern:

Be it known that I, ALBERTINA BECHMANN, a citizen of the United States of America, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Slate-Rulers, of which the following is a specification.

My invention relates to slate ruling devices, the object being to provide a device for ruling an entire slate at one operation.

The invention consists in the parts and the combination and arrangement of parts hereinafter described and claimed.

In the drawings: Figure 1 is a plan view of my improved slate ruler, and Fig. 2 is a longitudinal section of the same.

A designates a ruler provided with a longitudinal slot *a*, a series of stationary pins *a'* and adjustable pins *a*². The object of adjusting these pins is to permit the ruler to be used with slates of different length, and the pins may be made adjustable by providing them with screw threads which take into corresponding threads in the ruler.

B is an adjustable guide having a lug *b* adapted to slide in the slot *a* and hold the guide B at right-angles to the ruler. The guide may be locked against motion in the

slot by a set-nut C working on screw *b'* projecting from the lug *b*.

B' is a fixed guide secured to the opposite end of the ruler from the adjustable guide and acts in conjunction therewith.

The ruler may be arranged for use with slates of different dimensions by raising the points of the required number of adjustable pins sufficiently to clear the slate from or lowering them to bring them in operative contact with the slate as occasion may require.

What I claim is—

1. The combination with a slate ruler, of a series of fixed pins and a series of adjustable pins secured therein and adapted to cut or scratch the surface of the slate, and a guide secured to the rule and adjustable thereon, substantially as and for the purpose specified.

2. The combination with a slate ruler, of a series of fixed pins, and a series of adjustable pins adapted to cut or scratch the surface of a slate, a longitudinal slot in the ruler, and an adjustable guide movable in the slot, substantially as and for the purpose specified.

ALBERTINA BECHMANN.

Witnesses:

JAMES N. RAMSEY,
B. W. SOMMERS.