

(No Model.)

A. BRAUCH.

COMBER BOARD FOR JACQUARD MECHANISM.

No. 574,382.

Patented Jan. 5, 1897.

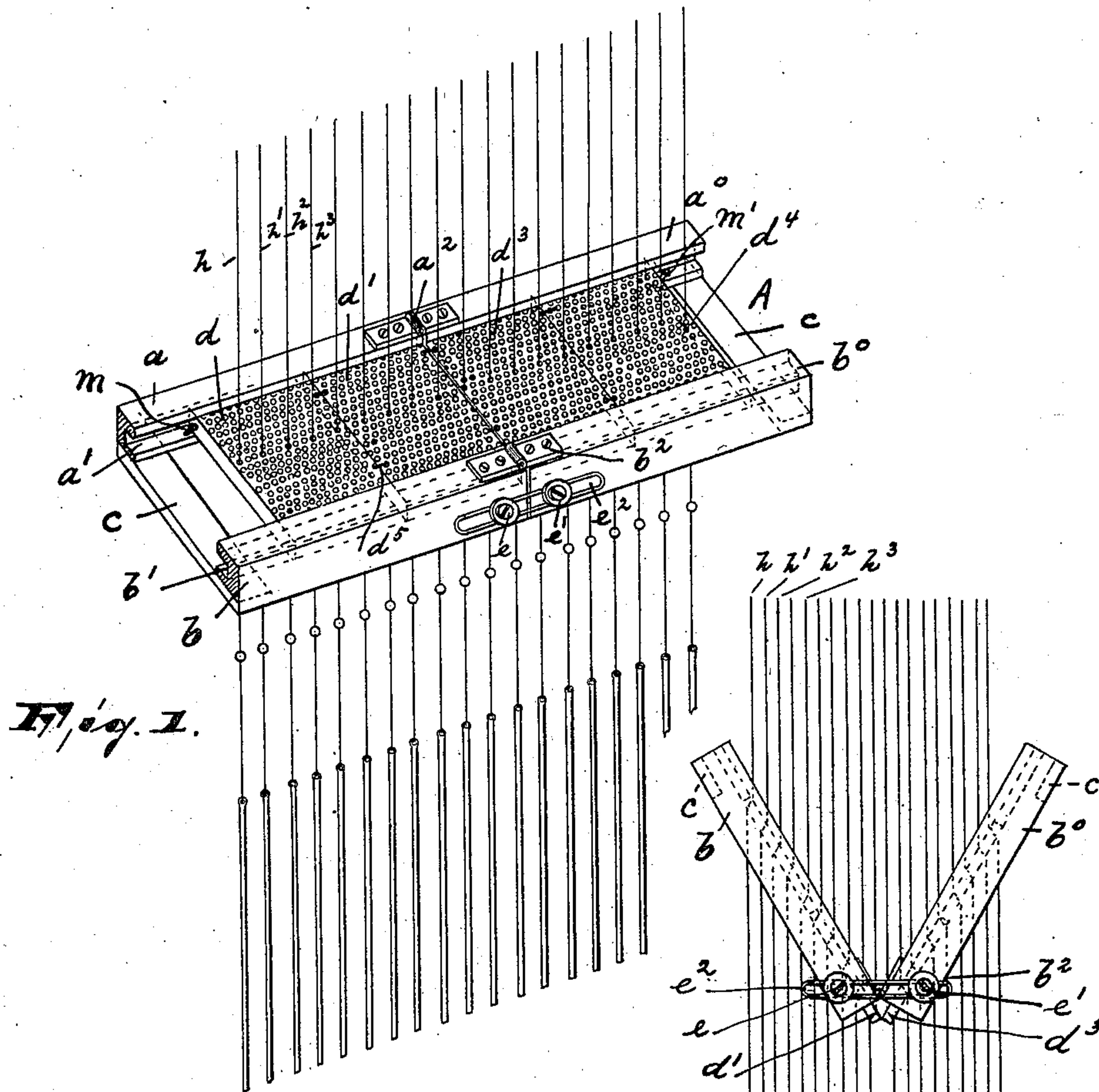


Fig. 1.

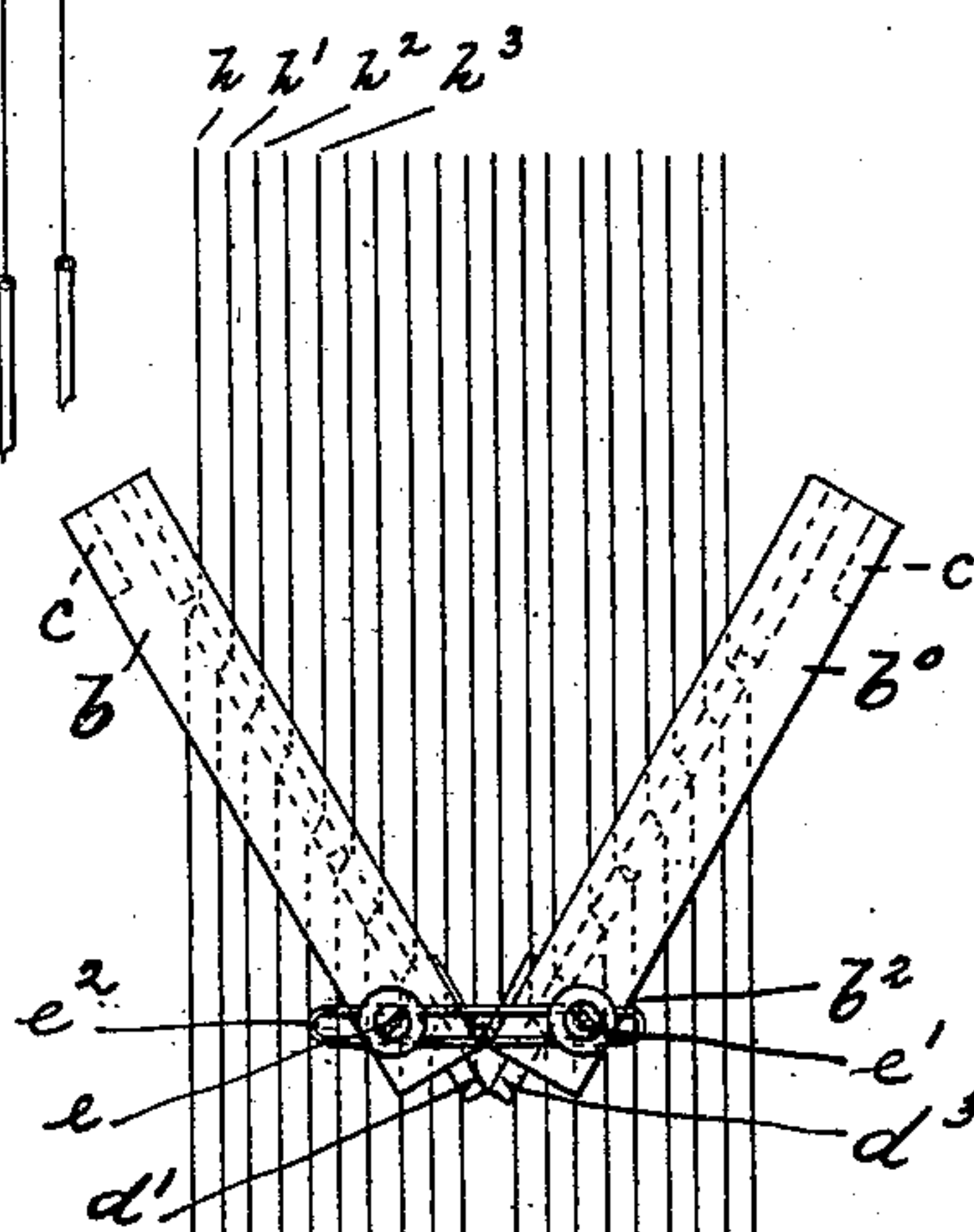


Fig. 2.

WITNESSES:

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UNITED STATES PATENT OFFICE.

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COMBER-BOARD FOR JACQUARD MECHANISM.

SPECIFICATION forming part of Letters Patent No. 574,382, dated January 5, 1897.

Application filed September 22, 1896. Serial No. 606,632. (No model.)

To all whom it may concern:

Be it known that I, ADOLF BRAUCH, a citizen of the United States, residing in Paterson, county of Passaic, and State of New Jersey, have invented certain new and useful Improvements in Comber-Boards for Jacquard Mechanism; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

The object of my present invention is to provide an adjustable sectional comber-board for Jacquard mechanism by means of which the same patterns in different widths can be woven without the necessity of changing the harness and the comber-board, and thus greatly simplifying the work and reducing the time.

The invention consists in the improved adjustable sectional comber-board, its adjusting and locking or tightening mechanism, and in the combination and arrangement of the various parts thereof, substantially as will be hereinafter more fully described, and finally embodied in the clauses of the claim.

In the accompanying drawings, Figure 1 is a perspective view of my improved comber-board in connection with a series of harness-threads, and Fig. 2 a front elevation of Fig. 1 and illustrating the comber-board adjusted to a different position.

In said drawings, A represents a rectangular frame consisting of the parallel sectional side bars $a a^0$ and $b b^0$, hinged or otherwise foldingly connected together, as at a^2 and b^2 , respectively, and of the connecting-braces c , preferably arranged at or near the outer ends of said sectional side bars, which latter are provided on their inner sides with longitudinally-extending grooves a' and b' , as clearly shown in Fig. 1.

One of the side bars in the drawings $b b^0$ is provided on its outside and at or near its hinge with the headed studs or screws $e e'$, which latter penetrate and are engaged by and in frictional contact with the elongated spring-wire loop e^2 , by means of which latter the sections of the frame are held in ad-

justed and normal position, as will be manifest.

In the grooves a' and b' is arranged the comber-board proper, consisting of a series of two or more sections d, d', d^3 , and d^4 , connected together by threads d^5 or in any other desired manner, and which boards are held in a fixed position by means, such as pins $m m'$, as will be manifest.

The harness-threads $h h' h^2 h^3$ pass through the openings in the comber-board in the well-known manner.

As shown in the drawings, the center line of the hinge is above the face of the comber-board, but it is evident that it may be placed in the plane of the face of the said comber-board, so as to avoid the sliding of the said board within the groove of the frame during the adjustment. In this case the frame may also be dispensed with and the hinge directly arranged upon the central sections of the comber-board.

Whenever a certain pattern is completed and a different pattern is desired calling for a different number of harness-threads to the inch, the frame containing the comber-board, or the latter one, if no frame is used, is swung upon its pivot until the proper adjustment is obtained. The spring-loop e^2 , being in frictional contact with the headed pins $e e'$, will hold the sections in adjusted positions.

It is evident that other means for tightening and locking the sections in adjusted position may be employed without departing from the spirit of my invention, such as, for instance, is used in setting dividers, compasses, &c. In place of the pins $m m'$ clamps or other suitable devices may be used.

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

1. A folding sectional comber-board, provided with means for adjusting and locking its sections at any desired angle, substantially as and for the purposes described.

2. A comber-board consisting of a folding frame, a series of two or more perforated sections arranged in said frame and means for adjusting and locking the sections of the frame at any desired angle, substantially as and for the purposes described.

3. A comber-board, consisting of a frame made in two parts hinged or otherwise fold-

ingly connected, a perforated board arranged
in said frame, and means for adjusting and
holding the parts of the frame at any desired
angle, and means for securing the perforated
5 board to the frame, substantially as and for
the purposes described.

In testimony that I claim the foregoing I

have hereunto set my hand this 12th day of
September, 1896.

ADOLF BRAUCH.

Witnesses:

WM. D. BELL,
CHRIS. GROETSCH.