

No. 812,916.

PATENTED FEB. 20, 1906.

F. A. BORST.
ADJUSTABLE FACE PLATE.
APPLICATION FILED OCT. 21, 1905.

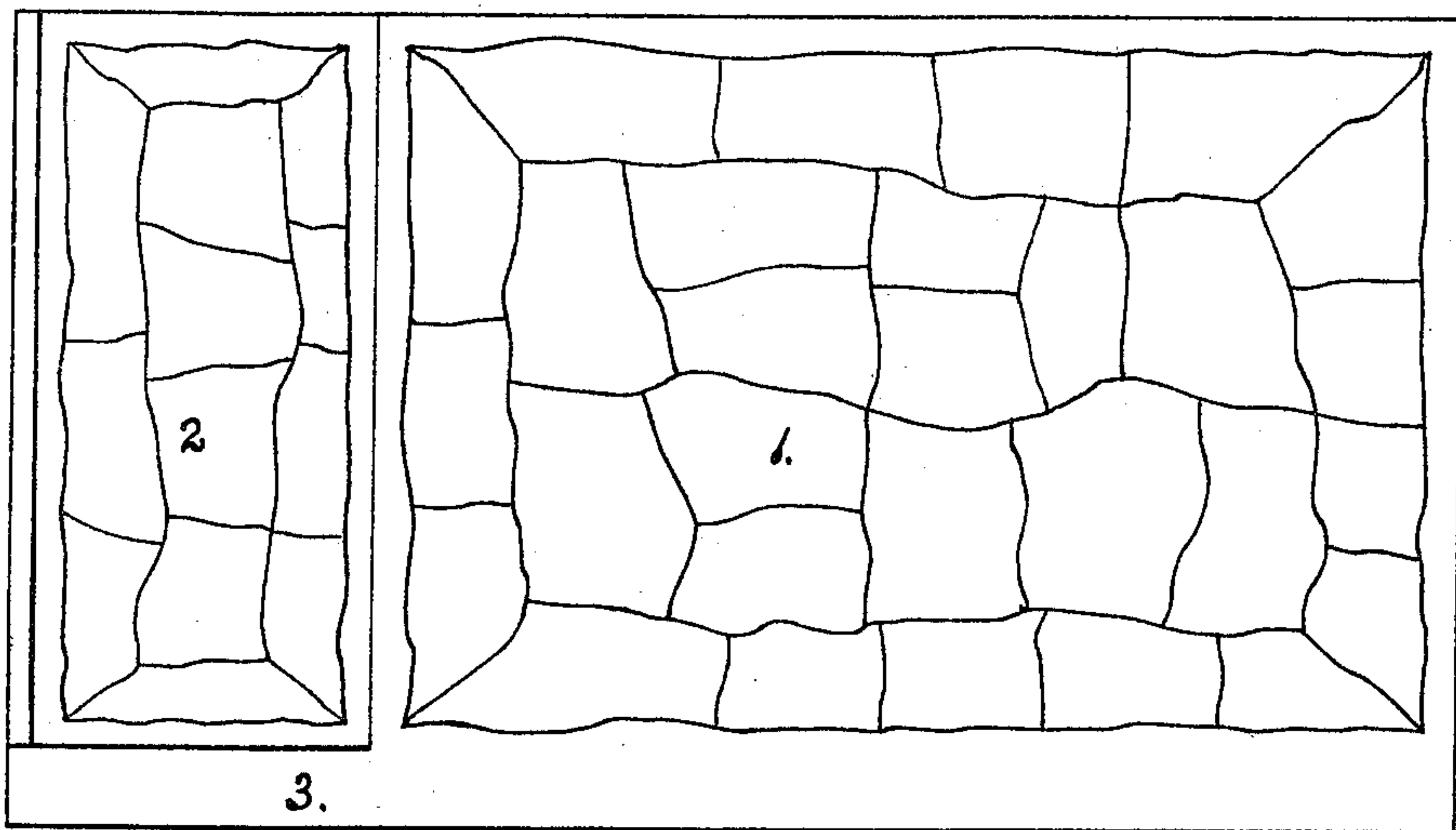


Fig. 1

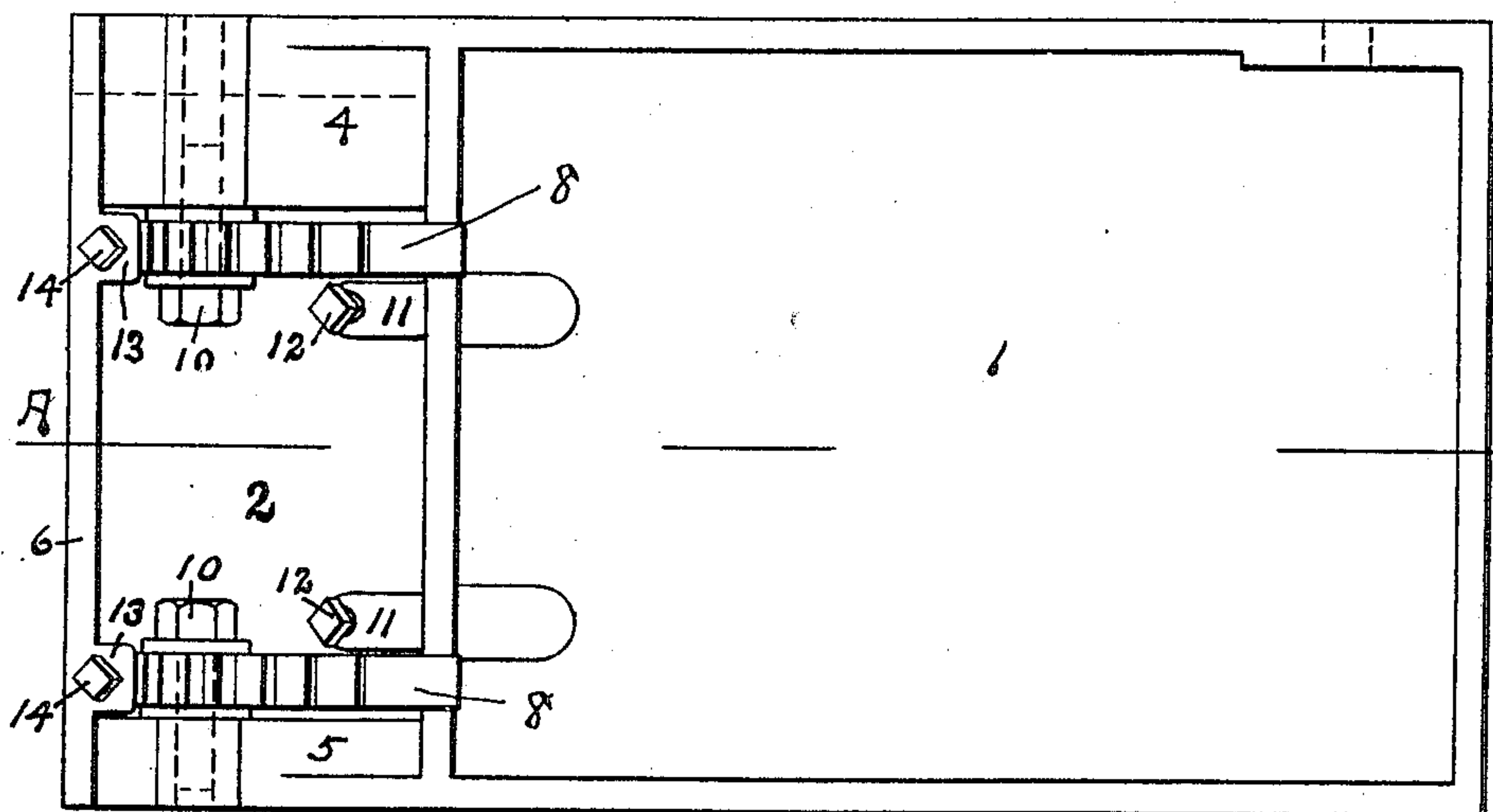


Fig. 2.

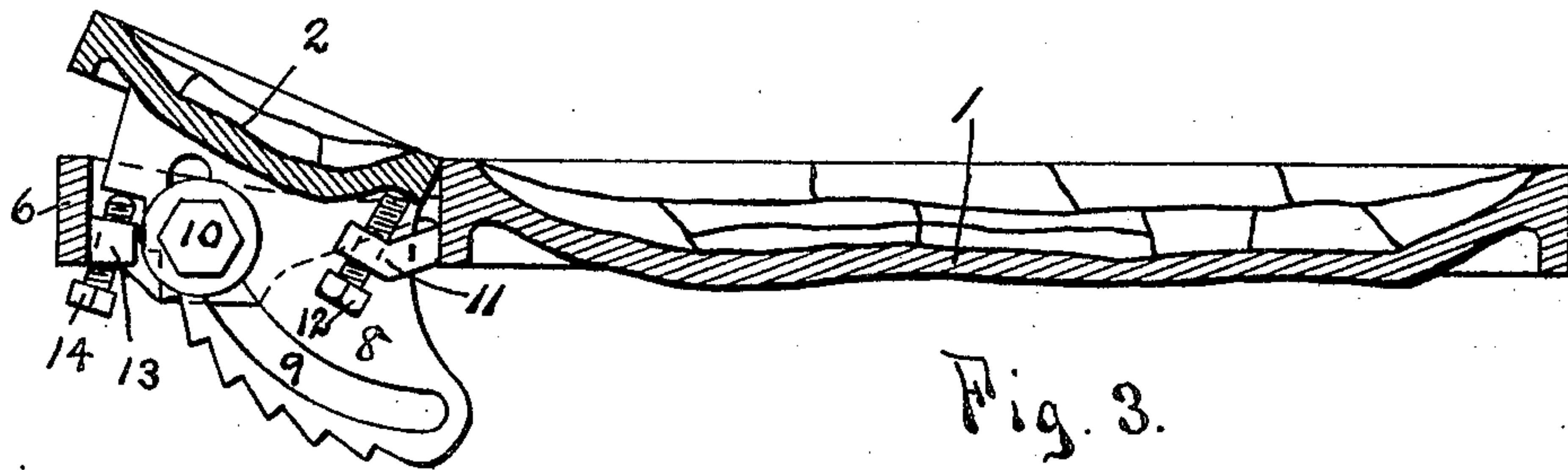


Fig. 3.

Witnesses:

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UNITED STATES PATENT OFFICE.

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ADJUSTABLE FACE-PLATE.

No. 812,916.

Specification of Letters Patent.

Patented Feb. 20, 1906.

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To all whom it may concern:

Be it known that I, FRANK A. BORST, a citizen of the United States, residing at South Bend, in the county of St. Joseph and State of Indiana, have invented a new and Improved Adjustable Face-Plate, of which the following is a specification.

My invention relates to plates used to form the front faces of building-blocks, being molded in any of the various types of block-machines; and the objects of my improvements are to provide a plate of this kind that shall be adjustable to form the faces of blocks intended for corners of buildings, to provide a plate of this kind which shall be adapted to be adjusted so that blocks of various forms may be made with the same plate, and to provide a face-plate for building-block molds which shall be adapted for use in machines where the blocks are molded face down as well as in machines where the blocks are molded with the faces vertical. I attain these objects by the construction illustrated in the accompanying drawings, in which—

Figure 1 is a view of the face of my adjustable face-plate. Fig. 2 is a rear view of the same. Fig. 3 is a cross-section on the line A A of Fig. 2.

Similar reference characters refer to like parts throughout the several views.

The manufacture of concrete building-blocks has reached enormous proportions, and most of these blocks are made in small establishments and by persons of limited capital. The expense of a set of face-plates, one for each of the many different angles at which walls are built, is often prohibitory.

In the structure shown in the accompanying drawings the main plate 1 has an adjustable portion 2 movably secured thereto, which portion 2 may be secured at any desired angle to the main portion, so that blocks having an angular face to form corners of any degree may be molded. The length of the main plate is that of the usual face-plate of the block-machine with which the face-plate is to be used, be the machine of the vertical or horizontal type, with or without movable cores. The plate shown is intended for forming blocks imitating rough-dressed stone and

is therefore formed with a depressed face, as shown. The plate not being subject to severe stresses is cut away, as shown, to save weight. A flat border 3 on the lower edge of the plate provides room for the side plate of the machine to lie against.

The adjustable portion 2 extends from this border 3 to the opposite edge of the main plate and projects over the extensions 4 and 5 of the main plate, which extensions are connected by the bar 6. Through the opening between the extensions project the toothed segments 8, attached to the plate 2. These segments have slots 9, through which the set-screws 10 project, these screws entering holes in the extensions 4 and 5 and holding the plate 2 in position. Lugs 11, having screws 12, project from the main plate below the auxiliary plate and furnish solid contact-points and adjusting means for the inner edge of the plate 2. Lugs 13 on the cross-bar 6 carry screws 14, which are adapted to engage and support any of the teeth of the segments 8.

By slacking the screws 10, shifting the screws 12 and 14 until the plates are at the desired angle to each other, and then tightening the screws 10 the adjustable face-plate may be set to form faces of blocks for any corner correctly.

Having now explained my improvements, what I claim as my invention, and desire to secure by Letters Patent, is—

1. A face-plate for block-molds, comprising a main plate, an auxiliary plate at one end of the same and having depending toothed segments, and screws carried by said main plate to engage said segments and determine the angle between the main and auxiliary plates.

2. A face-plate for block-molds comprising a main plate, an auxiliary plate at one end of the same, and means mounted on said plates to position the same at a predetermined angle to each other.

3. A face-plate for building-block molds, comprising a main plate having an opening at one end of the same, an auxiliary plate at one end of the same and having depending toothed segments extending through said

opening, screws engaging said segments and
said main plate to hold the auxiliary plate in
position, lugs carried by the main plate, and
screws in said lugs engaging the inner and
5 outer edges of the auxiliary plate for the pur-
pose of adjusting the same.

In testimony whereof I have signed my

name to this specification in the presence of
two subscribing witnesses.

FRANK A. BORST.

Witnesses:

SIBYL JACKSON.

ALMA RHEAD.