

W. H. HEALY.
CLAMP FOR MOLD FORMS FOR CONCRETE COLUMNS OR PILLARS.
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907,496.

Patented Dec. 22, 1908.

Fig. 1.

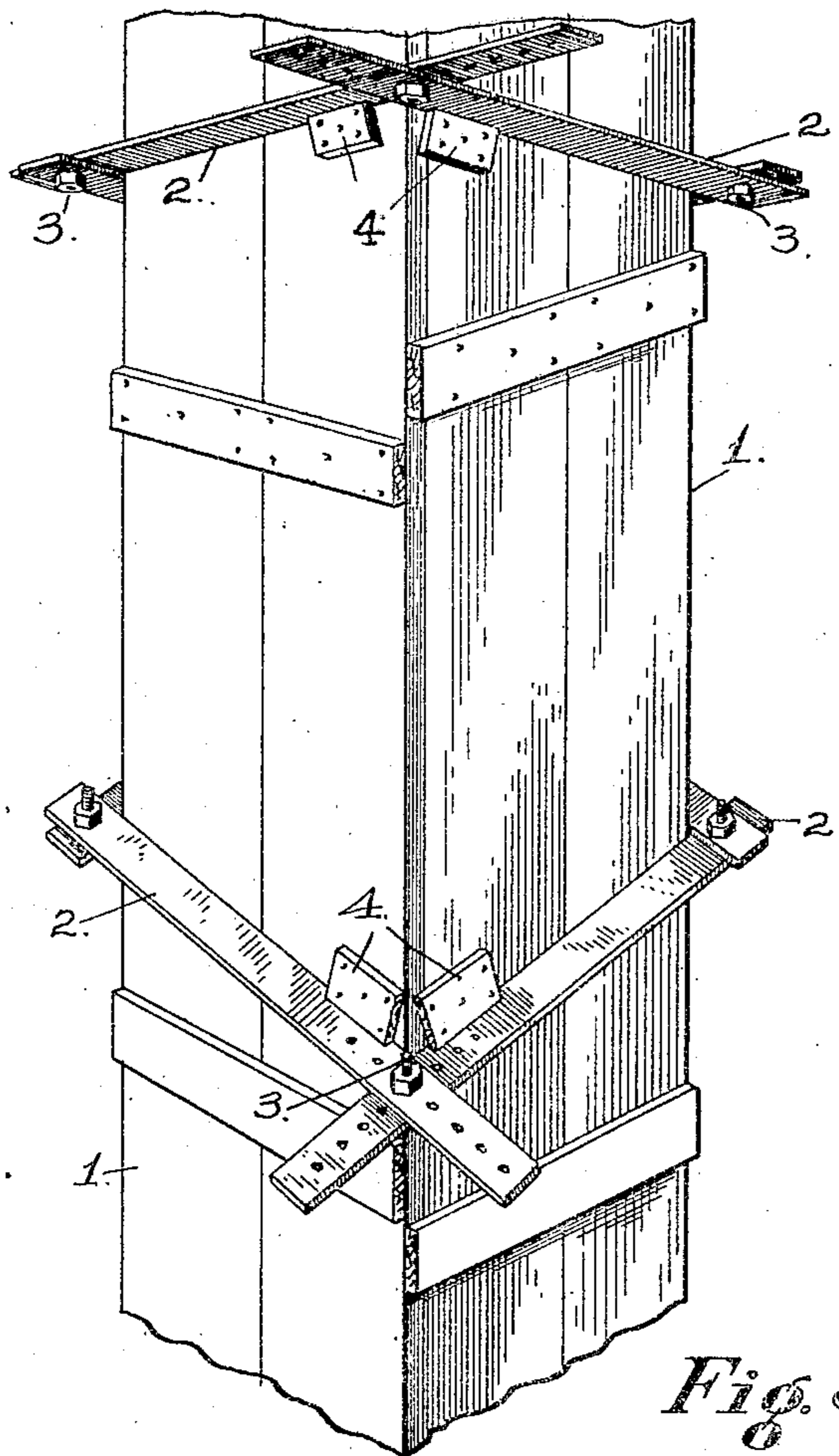


Fig. 2.

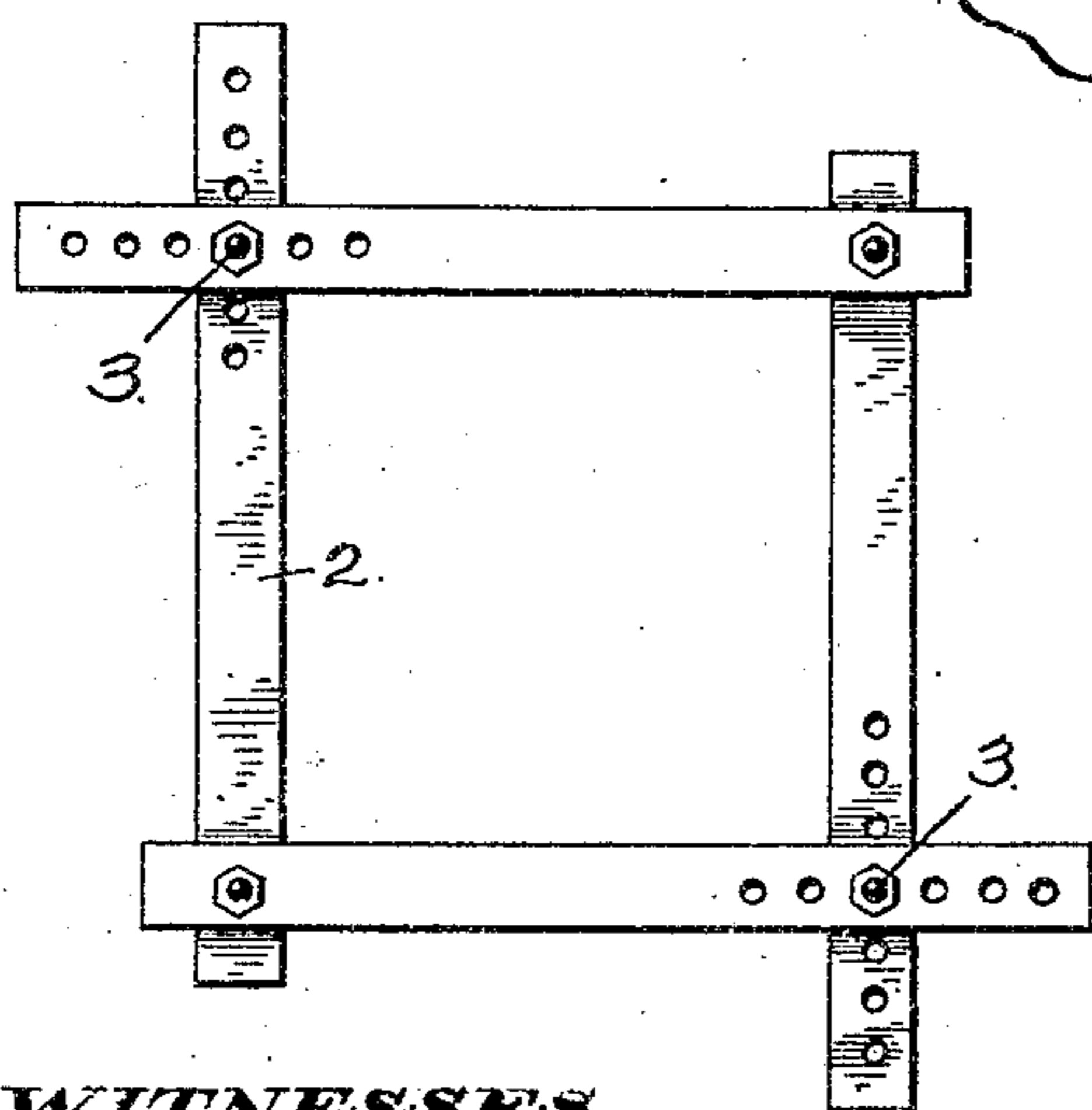
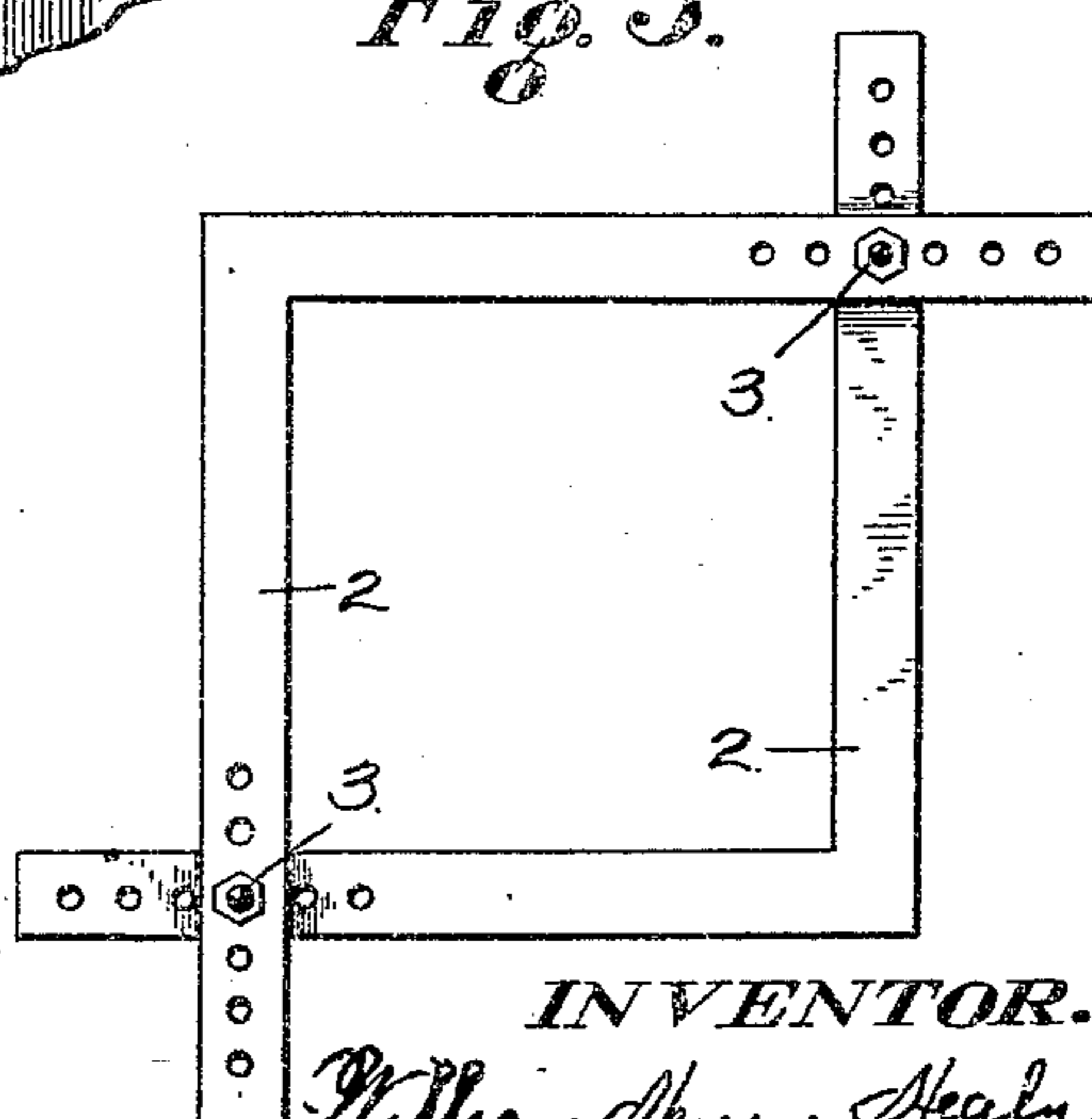


Fig. 3.



WITNESSES.

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CLAMP FOR MOLD-FORMS FOR CONCRETE COLUMNS OR PILLARS.

No. 907,496.

Specification of Letters Patent.

Patented Dec. 22, 1908.

Application filed June 4, 1908. Serial No. 436,662.

To all whom it may concern:

Be it known that I, WILLIAM HENRY HEALY, a citizen of the United States, residing at San Francisco, State of California, have invented certain new and useful Improvements in Clamps for Mold-Forms for Concrete Columns or Pillars, of which the following is a specification.

My invention relates to a clamp for holding together and binding the several parts of a mold form for concrete columns or pillars during the process of construction and the setting of the concrete.

The general method at present is to so construct the mold form that its several parts are fastened together by means of nails, wire binding or some similar means, requiring the expenditure of much time and labor. Frequently such means have proven insufficient to withstand the strain of the load of unset concrete within the mold and it has burst apart. After the concrete has set, the mold form is torn away and by so doing its parts are considerably damaged. In fact much of the material in the mold construction is so broken that it is unfit for further use in such connection.

The object of my invention is to provide a cheap and convenient means for holding in place such parts that enter into the construction of a mold form for concrete columns and pillars; a construction that is readily assembled and one that is easily removable after the concrete has set.

For a clear understanding of my invention reference is made to the accompanying drawings, in which—

Figure 1 is a perspective view of the clamps in position. Fig. 2 is a detail of a clamp. Fig. 3 is a modification of the same.

The numeral 1 in Fig. 1 designates a mold or form for a concrete column or pillar, and,

in order that its parts may be held firmly in a correct position, clamps 2, composed of straight bars, preferably of iron or steel, are bolted together, in the manner shown, tightly around the form. It would not be possible to put a clamp on as tightly as desired as the proper bolt holes could not be brought to register conveniently. In practice, a clamp is fastened with bolts 3 as tightly as possible around the parts of the mold and then forced at an angle from the plane of the column form and held in position by blocks 4 fastened by nails or other suitable means, thereby clamping and holding the several parts of the mold firmly together.

A modification of the clamp as shown in the drawing illustrates that for rectangular forms either four straight bars, or two right angled members may be employed to the same end and purpose. I, however, do not restrict the use of my invention to only rectangular forms or molds for concrete pillars or columns. It may be used in the construction of form molds for concrete pillars or columns of any form as bars varying to suit the contour of the structure desired can be used.

I claim:

A clamp for mold forms for concrete columns or pillars; consisting of rigid bars provided with apertures near their ends, bolts for fastening said bars one to the other around said mold forms, and means for holding said clamp at an angle around said mold forms substantially as described.

In testimony whereof I have affixed my signature in the presence of two witnesses this 23rd day of May 1908.

WILLIAM HENRY HEALY.

Witnesses:

FRANK L. OWEN,
ALPHEUS DIXON.