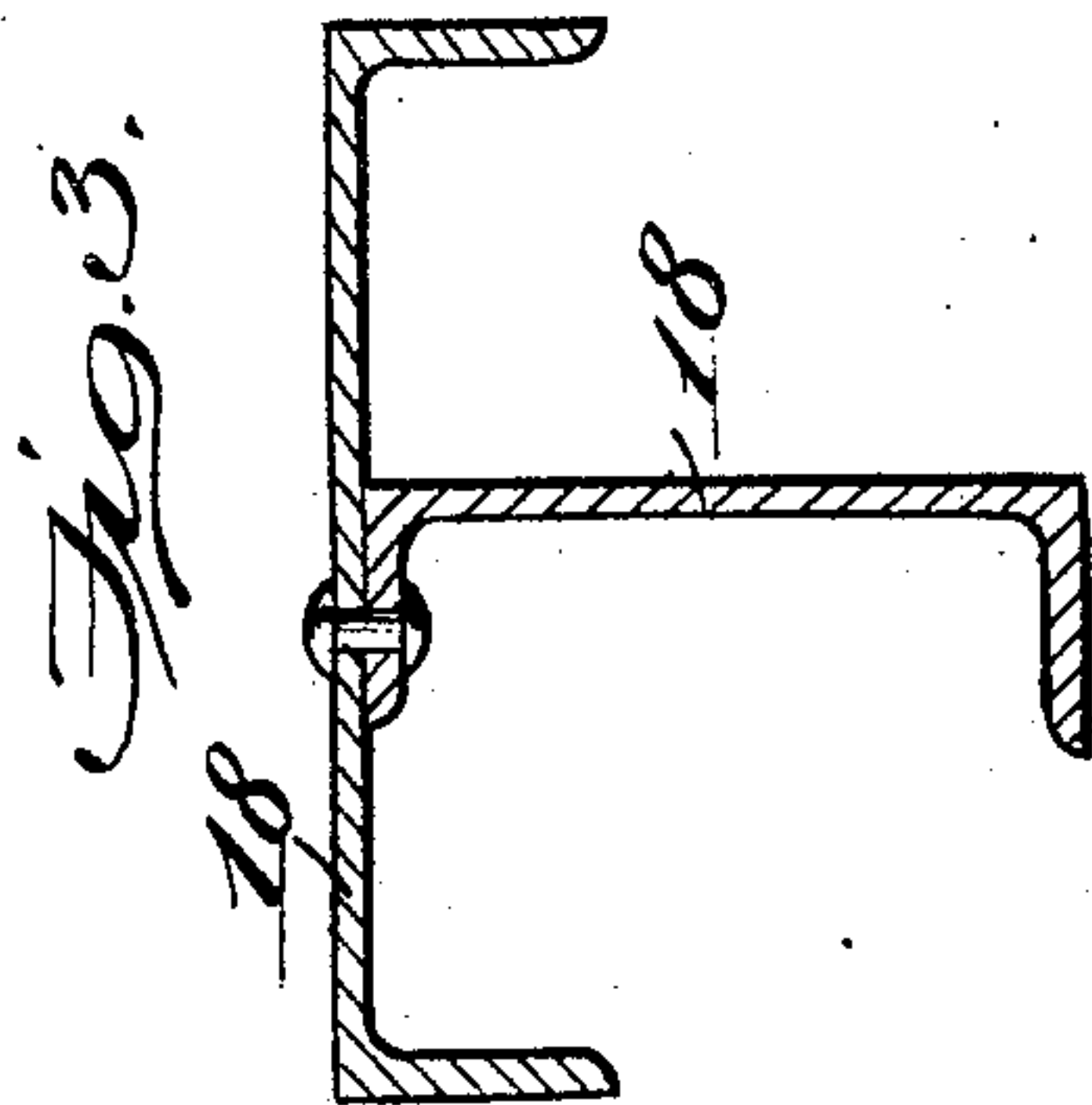
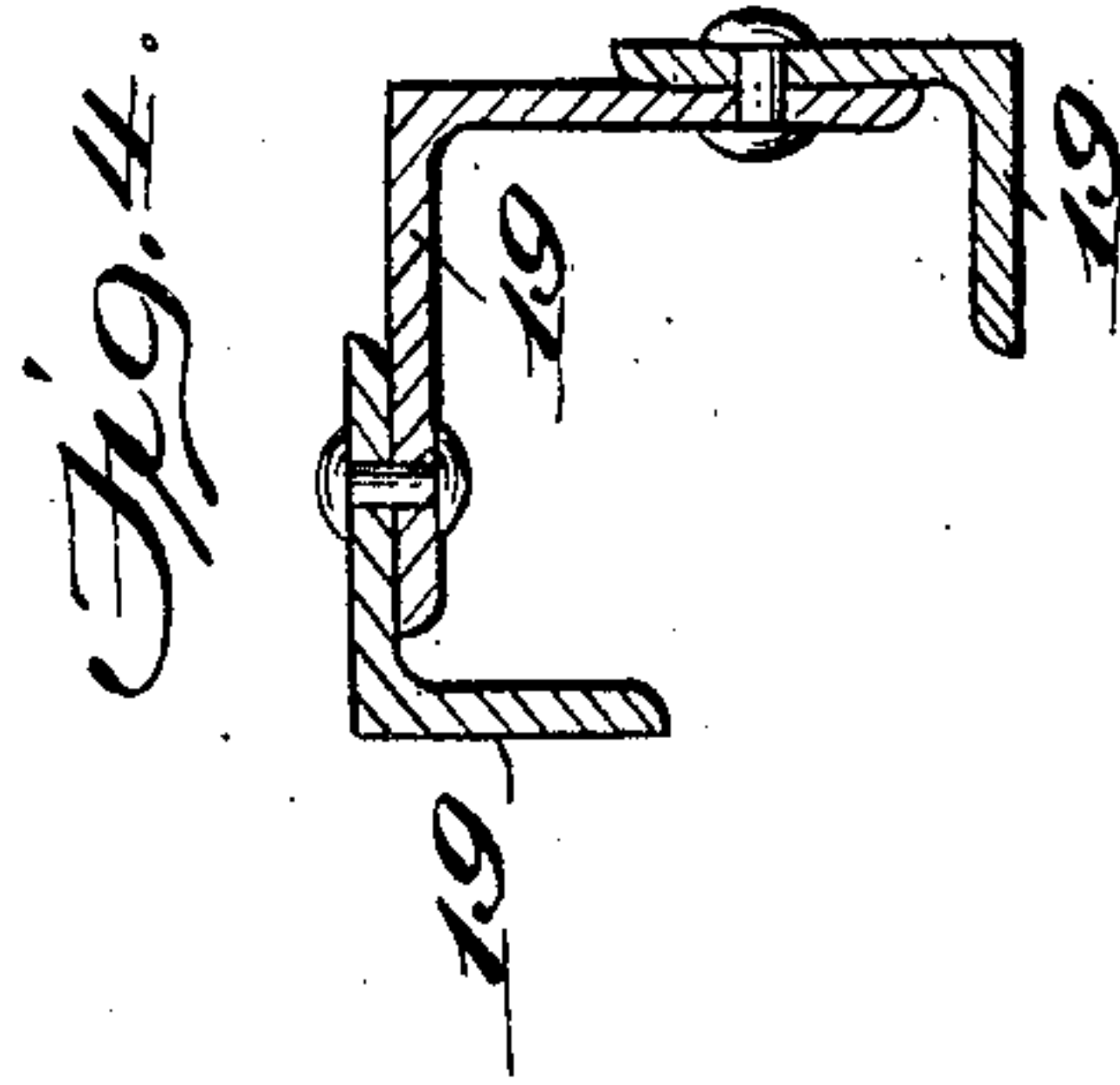
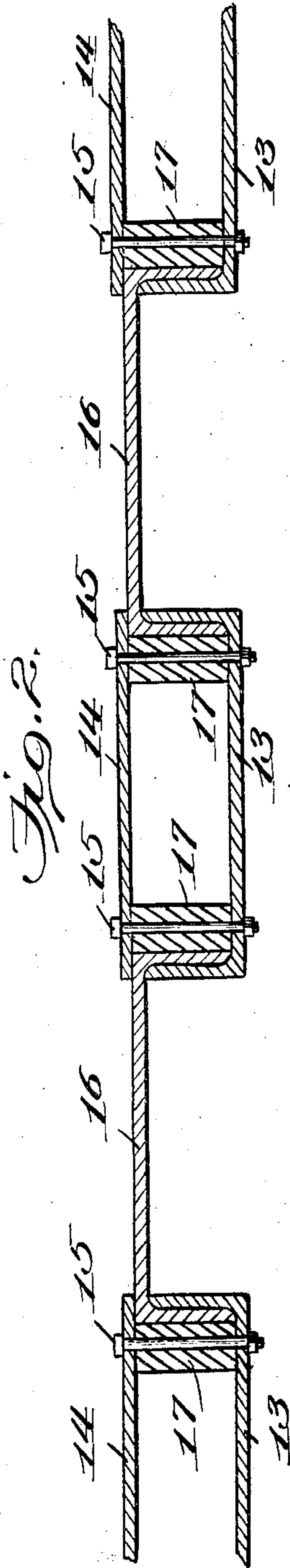
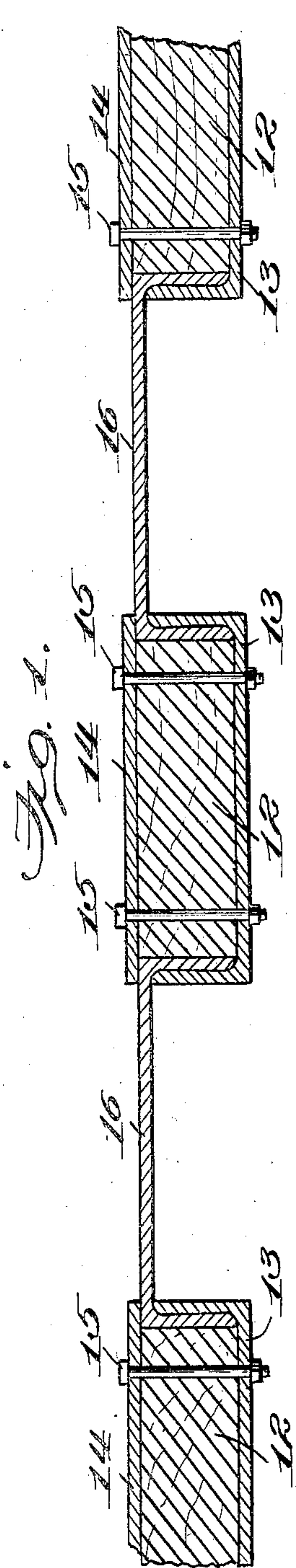


929,936.

Patented Aug. 3, 1909.



Witnesses:
C. M. Sweeney
J. D. Kling

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UNITED STATES PATENT OFFICE.

HARRY M. GOULD, OF NASHVILLE, TENNESSEE.

SHEET-PILING.

No. 929,936.

Specification of Letters Patent.

Patented Aug. 3, 1909.

Application filed April 2, 1909. Serial No. 437,532.

To all whom it may concern:

Be it known that I, HARRY M. GOULD, a citizen of the United States, residing at Nashville, in the county of Davidson and State of Tennessee, have invented or discovered certain new and useful Improvements in Sheet-Piling, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to sheet piling adapted for use for coffer-dam work or other purposes where it is desirable to provide water-tight joints, and the invention relates more particularly to that class of sheet piling 15 composed of sections or parts having interlocking joints, and has for its object to provide sheet piling which will be comparatively inexpensive in construction, which will have the requisite strength and rigidity, and in 20 which the joints will be water-tight.

In the accompanying drawings, Figure 1 is a horizontal section illustrative of the improved sheet piling, and Fig. 2 is a similar view showing a slightly modified form of the invention. Figs. 3 and 4 are sectional views of constructions which may be used for forming corners where the improved sheet piling is to be used for making inclosures.

Referring to the drawings, 12 denotes a 30 wooden beam of any suitable length, and which is inclosed between a channel beam 13 and a metal plate or bar 14, said channel beam 13 and plate or bar 14 being secured together and to the said beam 12 by bolts 15 35 passing through all these parts. Interlocked with the flanges of the channel beam 13 are other channel beams 16 which are also held in place by said bolts, the channel beams 16 forming connections between other piling 40 elements such as that afforded by the parts 12, 13 and 14 above referred to.

In the modified form of the invention

shown in Fig. 2, instead of the wooden beam 12 metal blocks or beams 17 are employed as spacers between the channel beams 13 and the plates or bars 14, the other elements of the piling being the same as those employed in the construction shown in Fig. 1. 45

The improved sheet piling, constructed as above described, will be watertight, in that the joints between the interlocking connected channel beams will be tightly closed, as will be obvious; while the piling, as a whole, will consist of alternate single and plural elements or units, the single elements or units being 55 afforded by the connecting channel beams 16 and the plural elements or units by the channel beams 13 and the plates or bars 14 spaced either by the wooden beams 12 or by the spacing bars or blocks 17. 60

The sheet piling above described, when used for making coffer-dams or other inclosures, will be joined at the corners of the inclosures by suitable channel beams, as 18, or angle beams, as 19, see Figs. 3 and 4, interlocked with either the channel beams 13 or the channel beams 16, as may be found most convenient. 65

Having thus described my invention I claim and desire to secure by Letters Patent: 70

Sheet piling comprising interlocking single and plural elements, the plural elements each comprising a channel beam 13, a plate or bar 14 and a wooden beam 12, all bolted together, and the single elements or units each 75 consisting of a channel beam 16 interlocked with a channel beam 13.

In testimony whereof I affix my signature, in presence of two witnesses.

HARRY M. GOULD.

Witnesses:

JNO. H. STEWART
R. L. PROCTOR.