

No. 663,516.

Patented Dec. 11, 1900.

D. I. ROWLAND.
FASTENER FOR WELL CASINGS.

(Application filed May 28, 1900.)

(No Model.)

Fig 1.

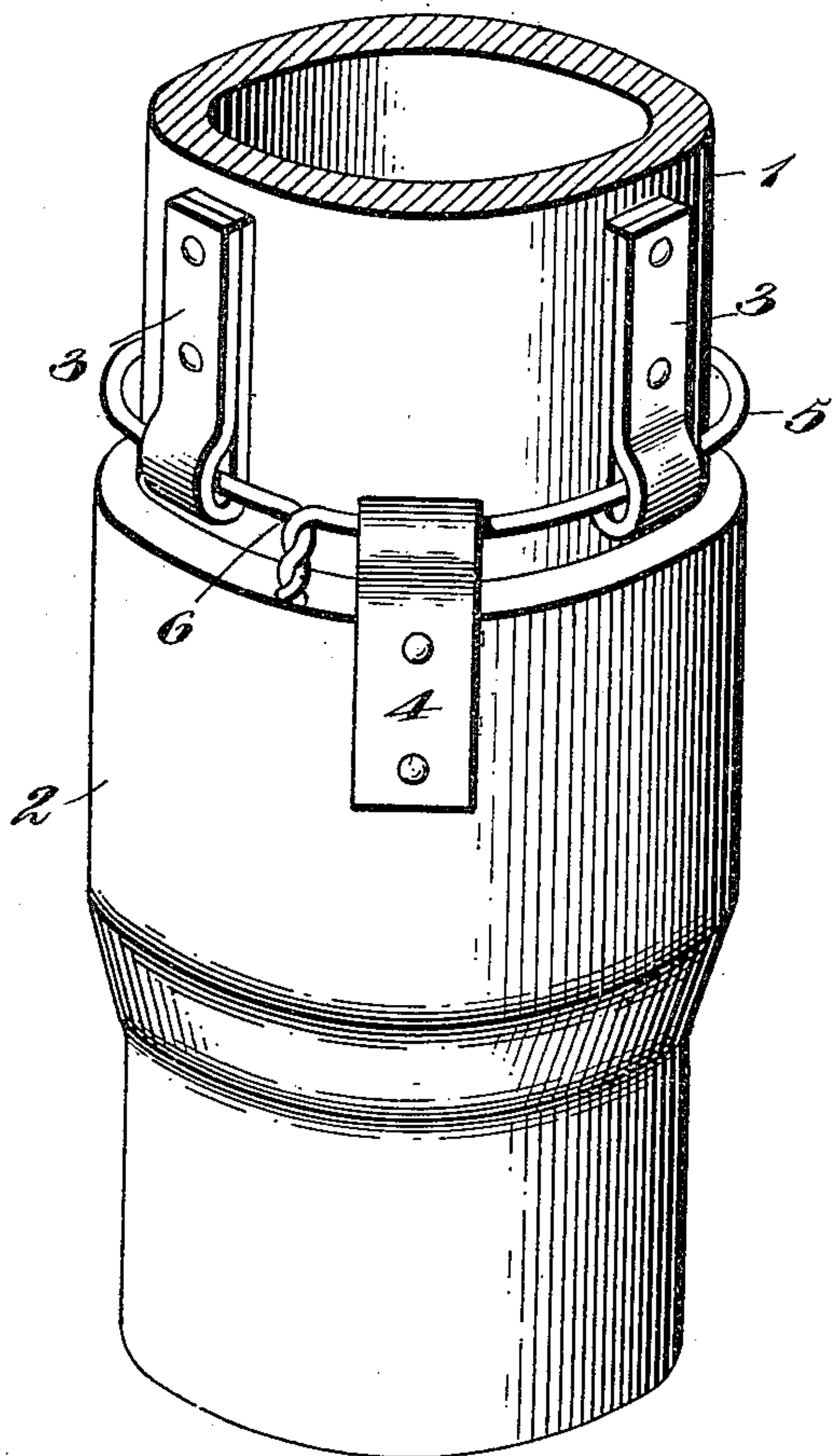


Fig 2.

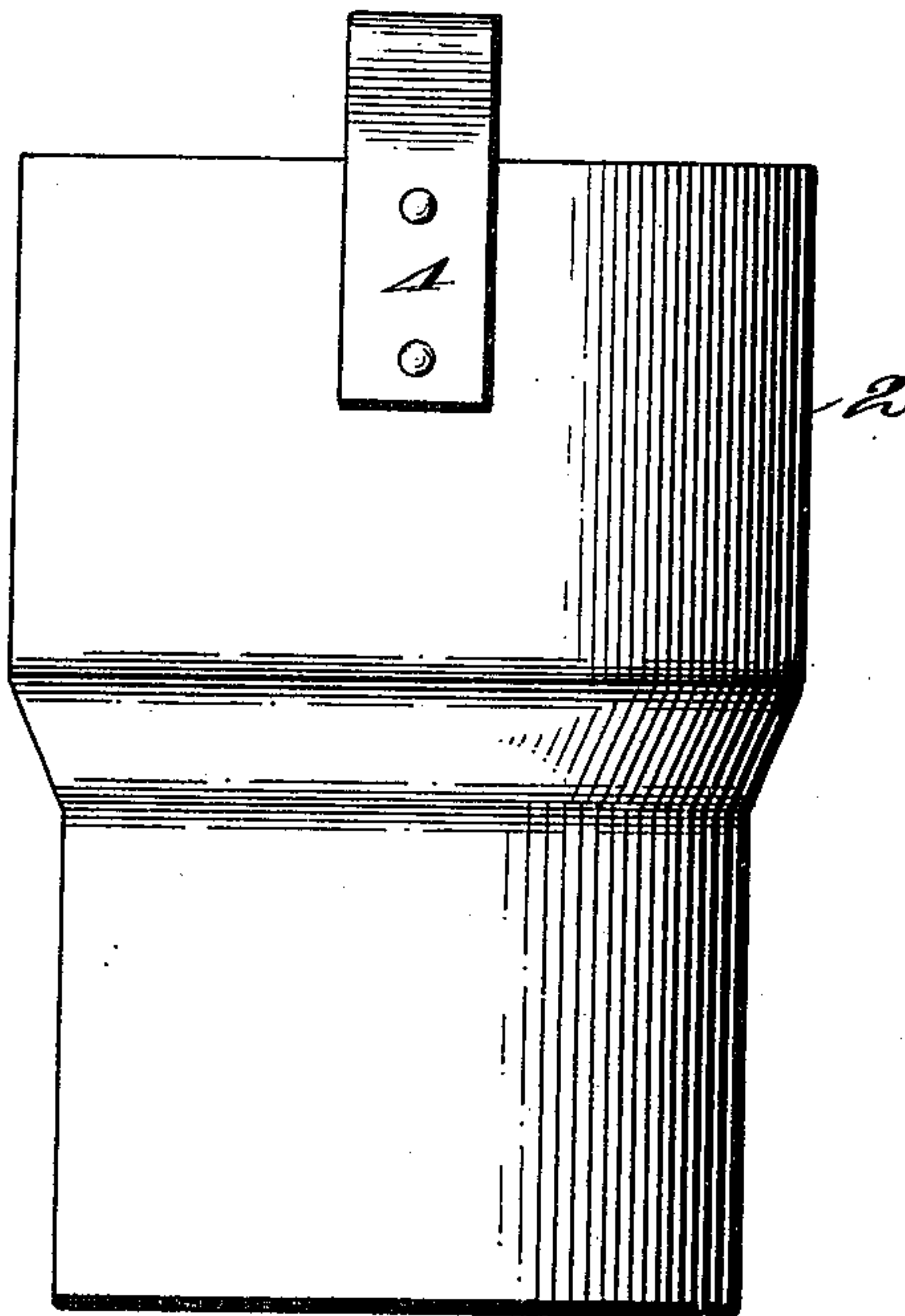
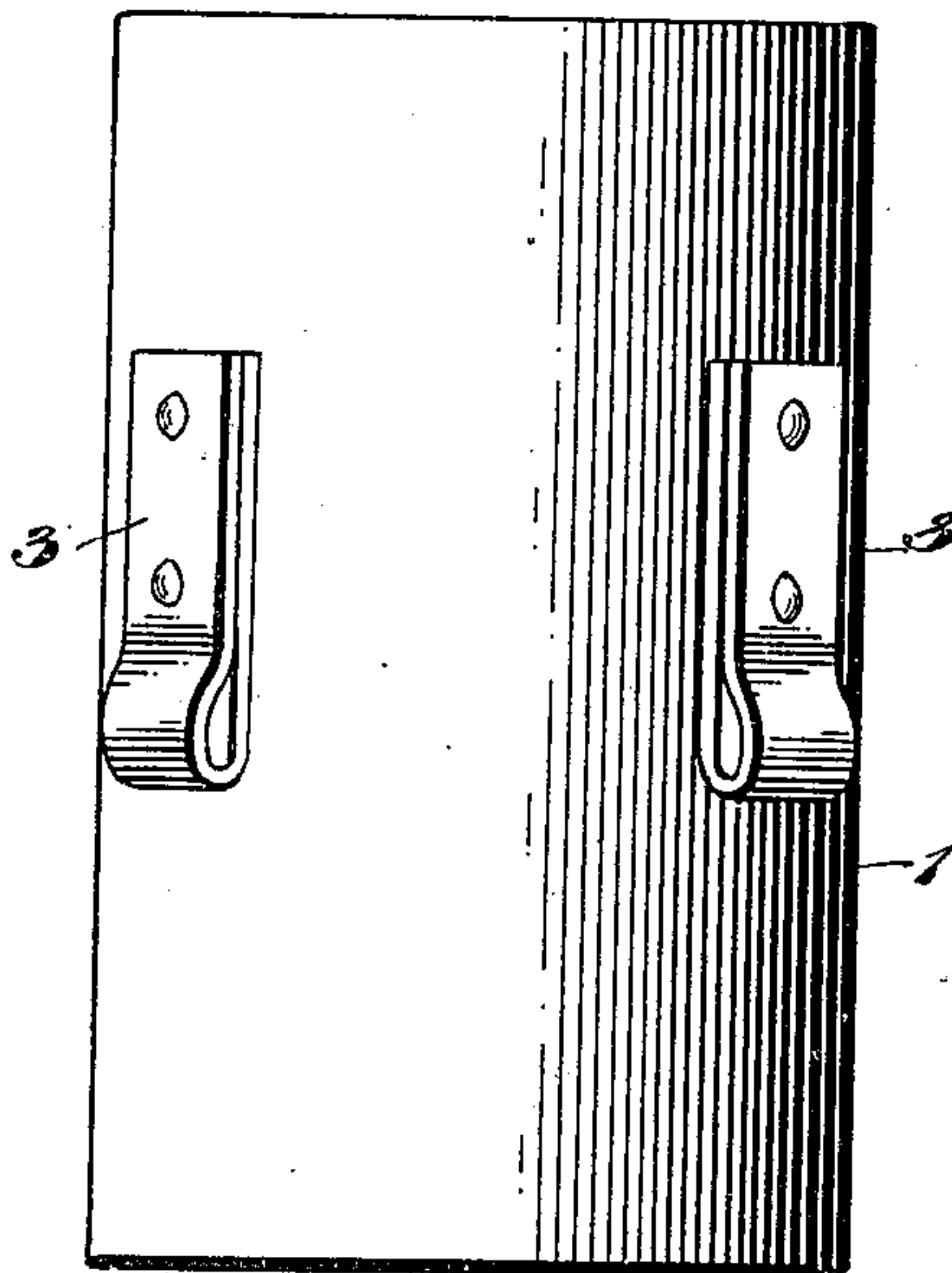
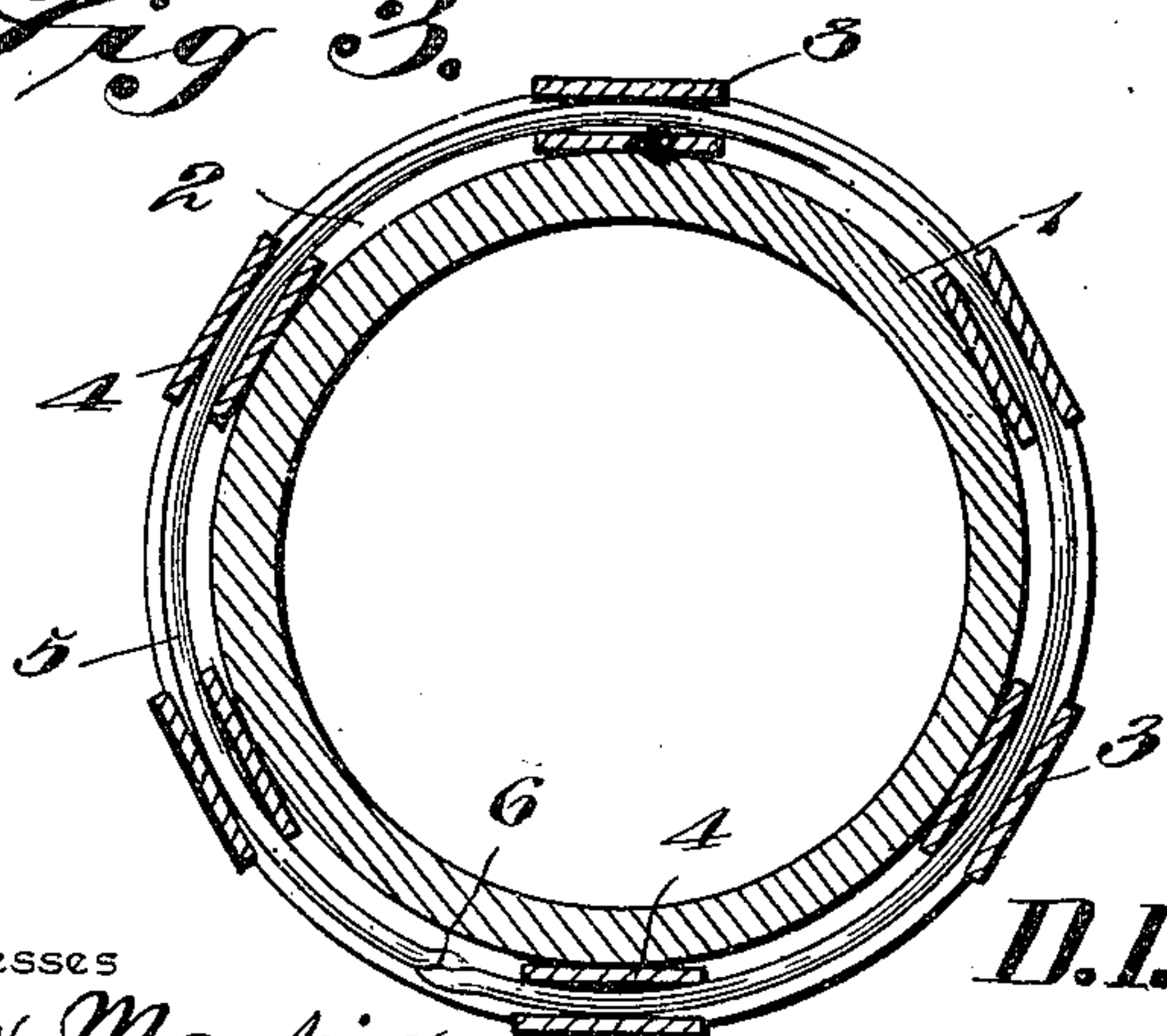


Fig 3.



Witnesses
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UNITED STATES PATENT OFFICE.

DANIEL I. ROWLAND, OF PALISADE, NEBRASKA.

FASTENER FOR WELL-CASINGS.

SPECIFICATION forming part of Letters Patent No. 663,516, dated December 11, 1900.

Application filed May 26, 1900. Serial No. 18,127. (No model.)

To all whom it may concern:

Be it known that I, DANIEL I. ROWLAND, a citizen of the United States, residing at Palisade, in the county of Hitchcock and State of Nebraska, have invented a new and useful Fastener for Well-Casings, of which the following is a specification.

This invention relates to fastening means for well-casings; and the object of the same is to provide a simple and effective device of this character which can be quickly applied and forms a secure connection of such strength as to resist strain both in lateral and longitudinal directions and prevent any tendency of the casing sections or lengths from separating.

The invention consists in the construction and arrangement of the several parts, which will be more fully hereinafter described and claimed.

In the drawings, Figure 1 is a perspective view of portions of well-casing lengths, showing the improved joint-fastener in connection therewith. Fig. 2 is a side elevation of the casing sections or lengths shown separated. Fig. 3 is a horizontal section through the casing lengths or sections and the improved fastening means.

Similar numerals of reference are employed to indicate corresponding parts in the several views.

The numerals 1 and 2 designate upper and lower well-casing lengths or sections, the length or section 1 being fitted into the other length or section, as shown by Fig. 1. At a suitable elevation above the lower end of the section 1 a number of depending eyes 3 are fixed and consist of strips of metal which are doubled and secured by rivets or other fastenings to the said length or section, and to the lower section a number of reversely-positioned eyes 4 are secured and of the same construction as the eyes 3. When the two lengths or sections are joined, the eyes 3 and 4 are arranged in alternation, and the looped or open portions thereof are in circumferential alinement with those on the upper length or section overhanging the upper edge of the lower length or section. When the eyes shall have been so disposed, a wire 5 is threaded therethrough and the ends interlocked by

twisting, as at 6, to thereby tightly draw the said wire around the upper end of the lower length or section and form a snug joint between the extremities of the lengths or sections and which is carried out through the whole casing.

It will be seen that the wire is held in place by the eyes, and the position of the same in the eyes will prevent the lengths or sections from parting in a longitudinal direction or bulging at the joint in a lateral direction. The several lengths or sections comprised in a full casing can thus be quickly and easily assembled in a positive manner by a strong and durable joint at a minimum cost with material advantage in attaining the end sought. It is preferred to use three eyes on each casing-length extremity; but this will be governed solely by the dimension of the casing, and to suit different sizes of lengths or sections changes in the size of the eyes and wire will be resorted to without departing from the principle of the invention.

Having thus described the invention, what is claimed as new is—

1. A fastening means for well-casings, comprising reversely-arranged eyes on the joined extremities of the casing lengths or sections and arranged in alternation in circumferential alinement, and a wire threaded through the said eyes and the ends thereof interlocked to draw it snugly against one of the lengths or sections.

2. A fastening means for well-casings, comprising reversely-arranged eyes on the joined extremities of the casing lengths or sections, the eyes of one length or section extending over the terminal of the adjacent length or section and the eyes of both lengths or sections arranged in alternation and in transverse alinement, and a wire threaded through the said eyes and the ends thereof interlocked to draw it snugly against one of the lengths or sections.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

DANIEL I. ROWLAND.

Witnesses:

H. W. POWELL,

WILLIAM M. THUE.