

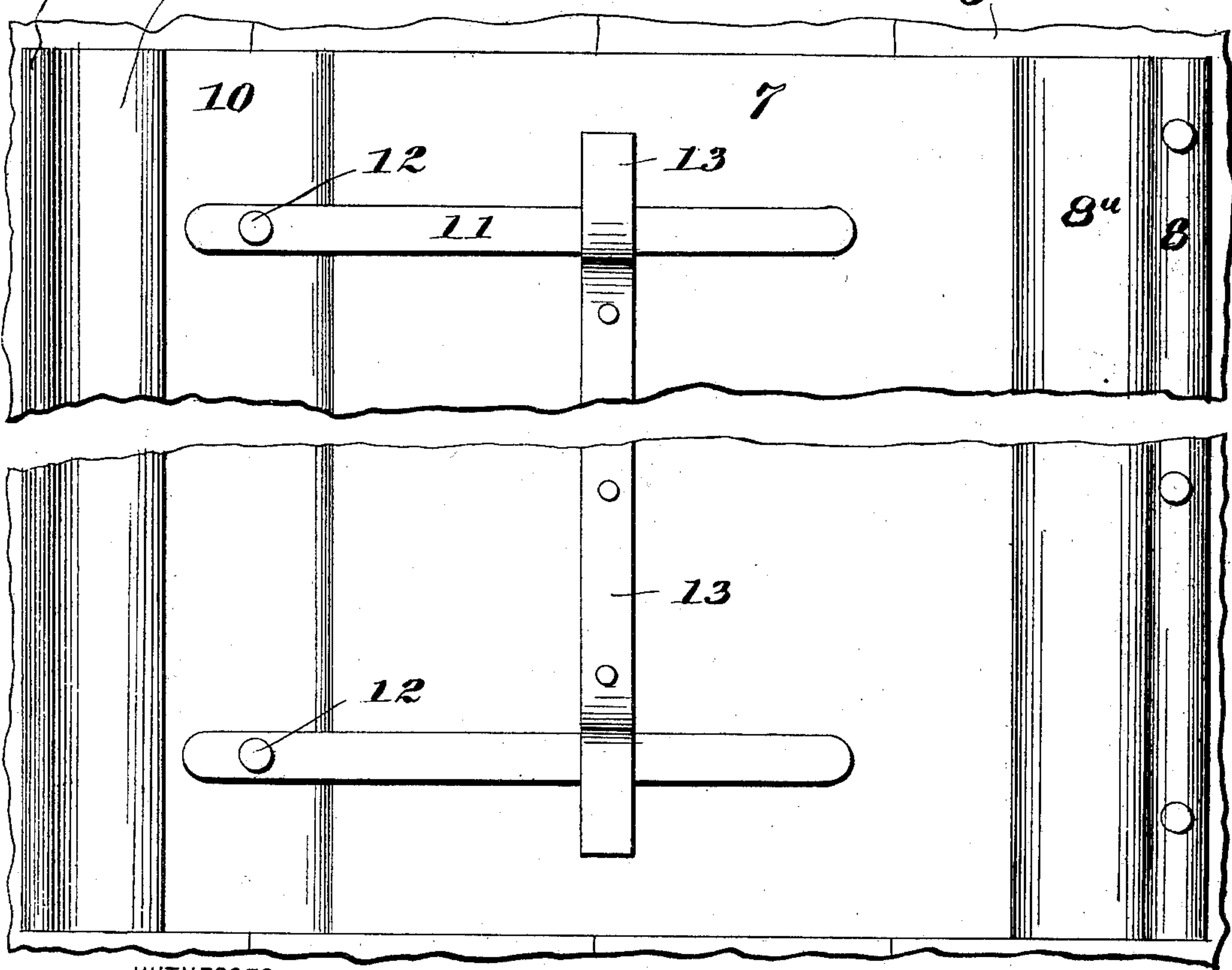
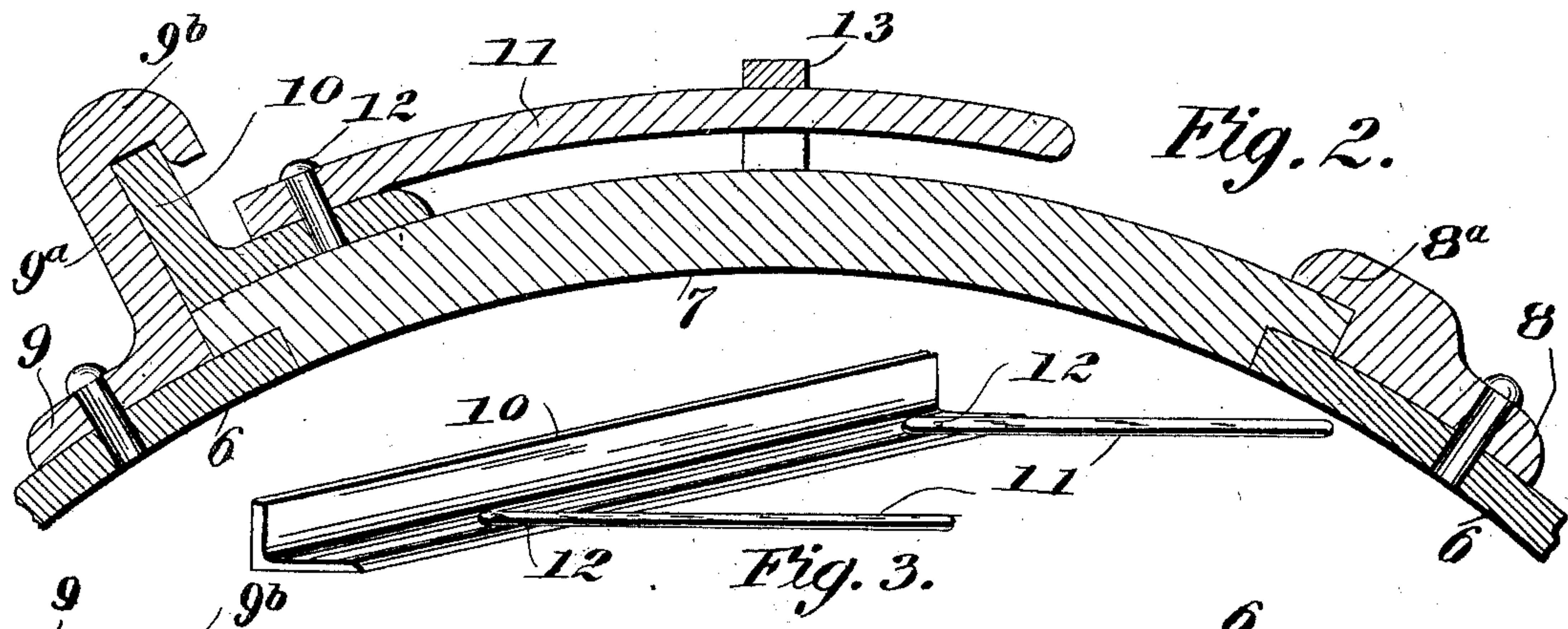
No. 703,313.

Patented June 24, 1902.

W. W. SLY.
BARREL CLOSURE.

(Application filed Mar. 5, 1902.)

(No Model.)



WITNESSES:

J. A. Baxter
George E. Tew.

Fig. 1.

W. W. Sly

INVENTOR

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UNITED STATES PATENT OFFICE.

WILLIAM W. SLY, OF CLEVELAND, OHIO.

BARREL-CLOSURE.

SPECIFICATION forming part of Letters Patent No. 703,313, dated June 24, 1902.

Application filed March 5, 1902. Serial No. 96,775. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM W. SLY, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Barrel-Closures; 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 the figures of reference marked thereon, which form a part of this specification.

This invention relates to barrel-closures, and particularly to a removable cover adapted to be clamped over an opening in the side of a barrel.

The object of the invention is to form a closure which may be readily fastened or unfastened and which when fastened will cause the cover to be securely held without danger of becoming unfastened.

The invention will be found particularly useful in connection with revolving barrels or cylinders containing substances to be disintegrated or crushed, such as the ore-crusher described in my Letters Patent No. 514,097, dated February 6, 1894.

In the accompanying drawings, Figure 1 is a plan view of a portion of a barrel with the closure applied. Fig. 2 is a cross-section thereof. Fig. 3 is a perspective view in detail of the clamping-levers and the angle-iron to which they are pivoted.

The side of the barrel is indicated at 6, having an opening therein closed by the cover 7, which overlies the edges of the opening. The cover is rabbeted at its edges, so as to bring its inner face flush with the interior of the barrel. At one side of the opening a plate 8,

having an offset portion 8^a, is firmly bolted to the barrel, and the corresponding edge of the cover is entered and held under the offset. At the opposite side of the opening a plate 9 is bolted to the barrel, and this plate has a flange 9^a projecting therefrom, which flange is recurved at its outer edge, as at 9^b, to form a retaining-hook for the angle-piece 10, to which the clamping-levers 11 are pivoted by bolts 12. These levers engage under catches 13, fixed to the cover.

It will be seen that the clamping-levers and the angle-iron, to which they are pivoted, are removable by disengaging the levers from the catches and unhooking the angle-iron. This permits the cover to be lifted out. To replace the cover and effect the closure it is seated over the opening, the angle-iron is hooked under the hook and clamped by engagement of the clamping-levers under the catches. The cover is thus firmly held in place. Excepting the cover the parts are preferably formed of iron or other metal and the levers have a slight spring to hold them under the catches.

What I claim is—

A barrel-closure comprising the cover 7 having a catch thereon, holding means for one edge of the cover attached to the barrel, the plate 9 having a projecting recurved flange forming a hook, the angle-iron 10 engaging thereunder, and a clamping-lever pivoted to the angle-iron and engaging the catch to clamp the cover.

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

WILLIAM W. SLY.

Witnesses:

BEATRICE MERRILL,
LOTTIE NEWBURN.