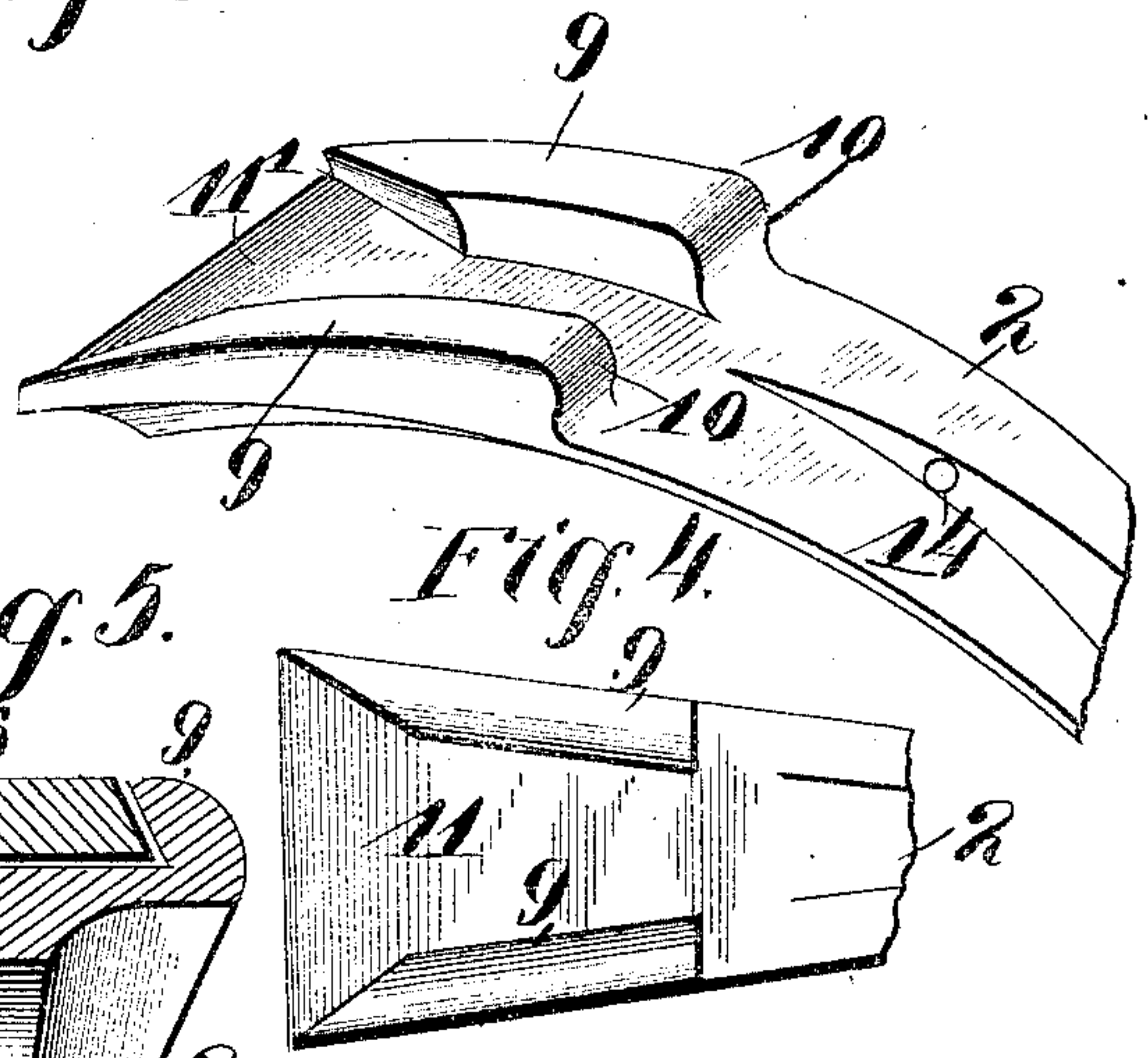
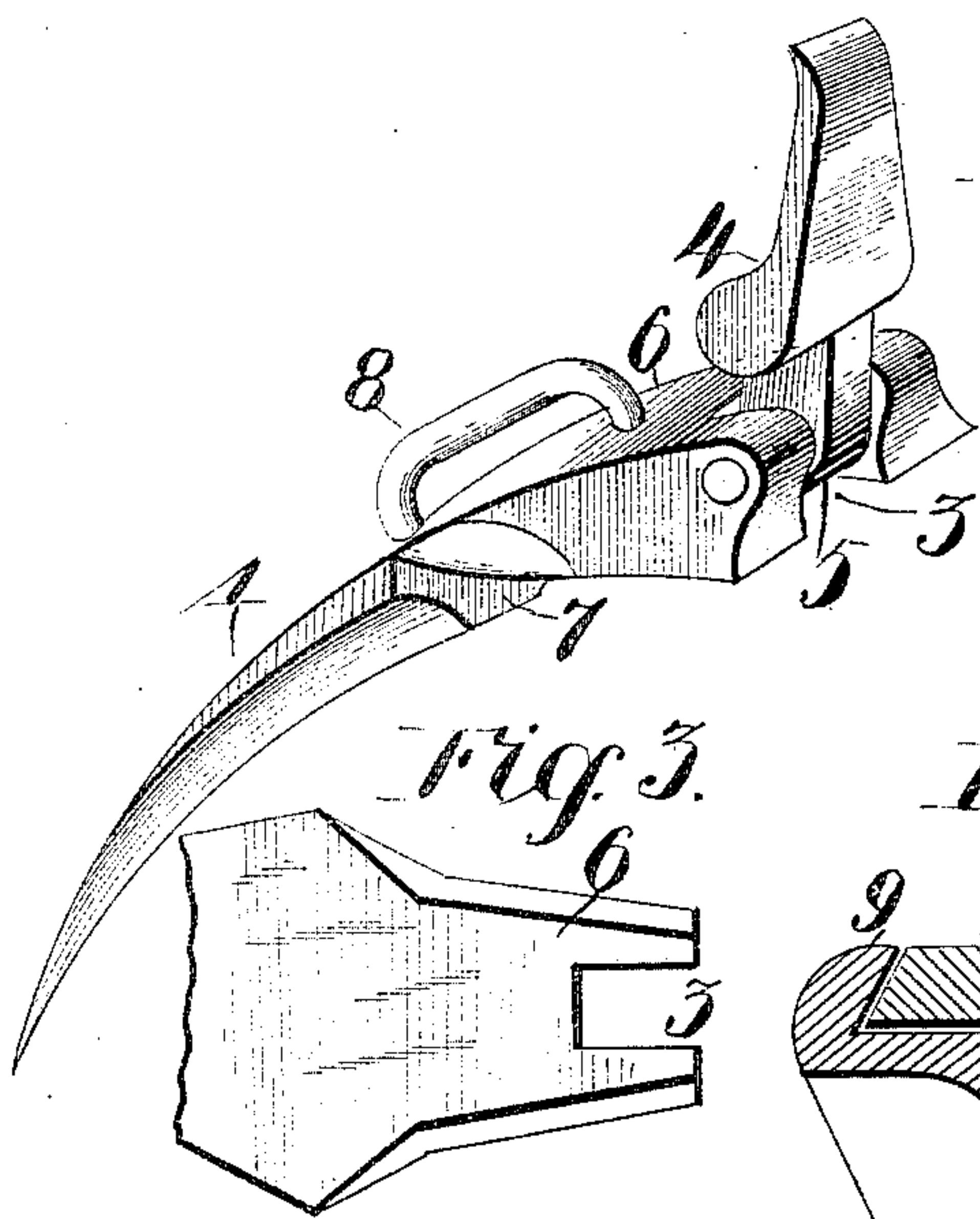
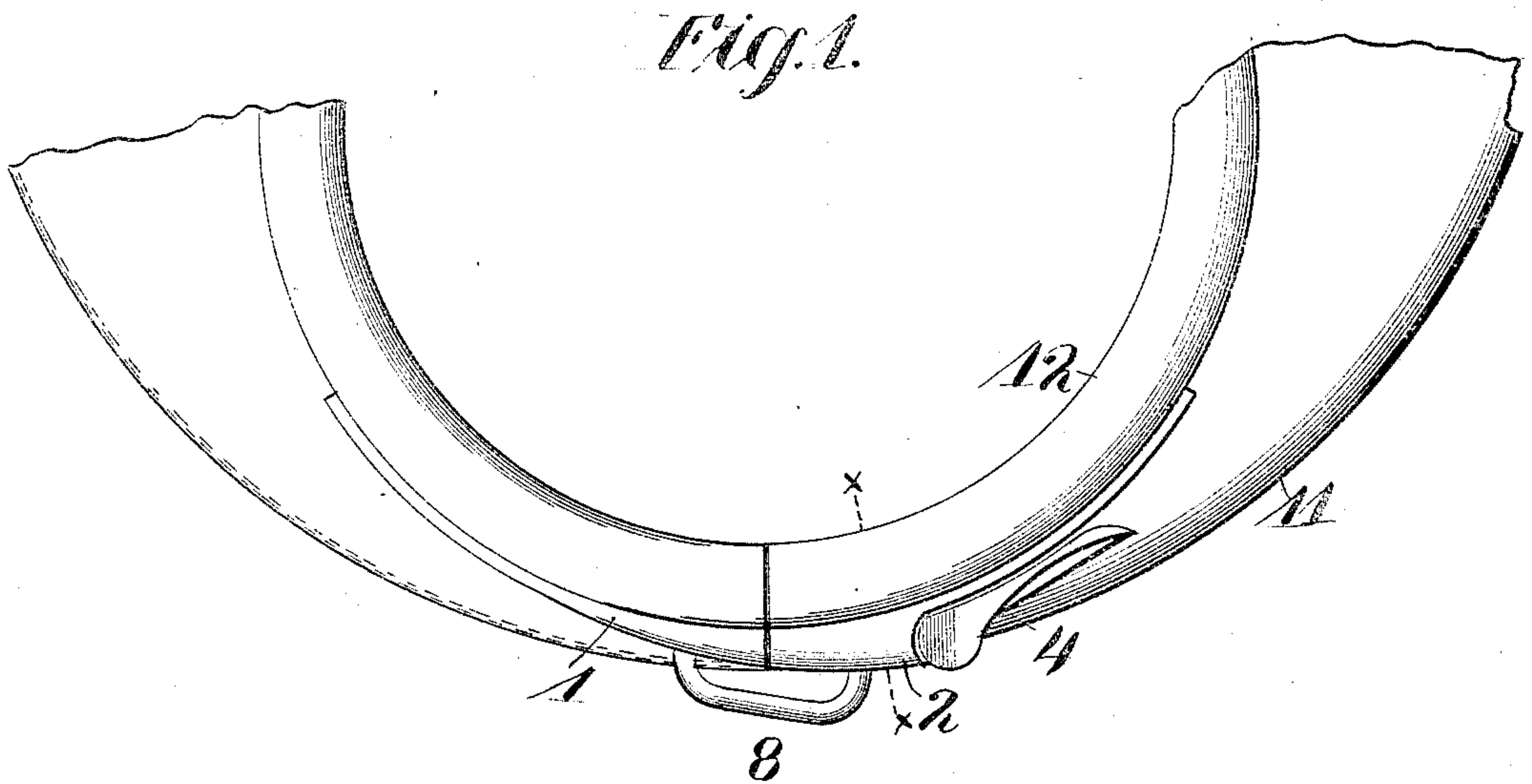


(No Model.)

C. J. WEIS.  
HORSE COLLAR FASTENER.

No. 453,789.

Patented June 9, 1891.



Witnesses

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# UNITED STATES PATENT OFFICE.

CHARLES J. WEIS, OF FRANKFORT, KANSAS.

## HORSE-COLLAR FASTENER.

SPECIFICATION forming part of Letters Patent No. 453,789, dated June 9, 1891.

Application filed February 25, 1891. Serial No. 382,716. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES J. WEIS, of the city of Frankfort, Marshall county, and State of Kansas, have invented certain new and useful Improvements in Horse-Collar Fasteners, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to improvements in horse-collar fasteners; and it consists in the novel arrangement and combination of parts, as will be more fully hereinafter described, and designated in the claims.

In the drawings, Figure 1 is a front elevation of my invention as applied to a collar. Fig. 2 is a perspective view of the fastener with parts detached. Fig. 3 is a top plan view of one of the parts of the fastener with part of the same broken away. Fig. 4 is a similar view of the other part, and Fig. 5 is a cross-section taken on the line *x x* of Fig. 1.

Referring to the drawings, 11 indicates the after-wale of an ordinary horse-collar, and 12 the fore-wale of the same.

My invention is usually and preferably applied in the groove formed between said after-wale and fore-wale, in which position it is not so liable to project and interfere with the hames. My invention is also especially designed to be used in fastening separable collars.

Referring to the invention in detail, 1 and 2 indicate the parts of the same, respectively. Said parts are adapted to be united, as will be more fully hereinafter described, and when in unison form a crescent-shaped appearance or an inner contoured surface corresponding in curvature with the collar to which the same is to be applied.

Part 1 is provided with a depression 3, in which a catch 4 is adapted to be pivotally secured. Catch 4 is provided with a projection 5, the same being adapted to fit in depression 3. Said projection is provided with an aperture or hole, as is also the bifurcated end of part 1, through which an ordinary pin or rivet may be passed, thereby pivotally securing catch 5 to part 1.

Part 1 is provided with a tapering decreased beveled portion 6, the under part of said por-

tion being cut away at a gentle incline, so as to form a shoulder 7.

8 indicates a staple, which is secured to part 1, through which the breast-strap may be inserted, referring to part 2.

9 indicates flanges or projections, the inner portions of which are beveled divergingly from the top and cut away, also divergingly from the end that is to be united with part 1; or, to be more specific, the flanges in connection with the portion of part 2 to which they are secured or on which they are formed form an inwardly-beveled diverging groove 11', in which the tapering beveled portion 6 of part 1 is adapted to be slipped, and when so located forms an approximately dovetailed joint, as shown in Fig. 5.

10 indicates shoulders which arise from the formation of flanges 9 on part 2.

The function of catch 4, as hereinbefore described, is to hold parts 1 and 2 together when the tapering decreased beveled portion 6 of part 1 is inserted in its appropriate groove, as hereinbefore stated, which holding or securing is effected by simply turning catch 4 downwardly, bringing the same against shoulders 10 and the top of the catch in contact with part 2, as shown in Fig. 1. Then to disunite or detach the parts it is only necessary to elevate catch 4 in the position as shown in Fig. 2 and slip the decreased beveled portion 6 out of its appropriate groove. Said parts 1 and 2 are provided with perforations 14, in which screws or tacks may be inserted, or any other means employed for securing said parts to the collar.

Having fully described my invention, what I claim is—

1. In a fastener for separable horse-collars, portions 1 and 2, secured to opposite ends of the collar, a catch 4, pivoted to the beveled projection 6 of the first-mentioned portion, and shoulders 10 on the portion 2, having a central recess between them, the said shoulders having inwardly and downwardly inclined sides adapted to be engaged by the beveled edges of projection 6 when the latter rests in the central recess, substantially as described.

2. A fastener for separable horse-collars, consisting of parts 1 and 2, the former of which is provided with a hinged catch 4, the



said catch being secured to a decreased tapering beveled portion 6 of the same, and a diverging beveled groove 11' in part 2, in which said decreased portion is adapted to be placed and secured therein by said catch, substantially as set forth.

3. In a horse-collar fastener, the combination of parts 1 and 2, the former provided with a decreased beveled tapering portion 6, shoulder 7, and groove 3, a catch 4, secured or adapted to be secured in said groove 3, the latter provided with flanges 9, shoulders 10, and groove 11', in which said decreased beveled tapering portion 6 is adapted to be inserted, substantially as set forth.

4. In a horse-collar fastener, the combina-

tion of parts 1 and 2, the former provided with a decreased beveled tapering portion 6, shoulder 7, and groove 3, a catch 4, secured or adapted to be secured in said groove 3, a staple 8, secured to said part 1, the latter provided with flanges 9, shoulders 10, and groove 11', in which said decreased beveled tapering portion 6 is adapted to be inserted, substantially as set forth.

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

CHARLES J. WEIS.

Witnesses:

J. M. LANE,  
G. D. OSBORN.