(No Model.)

C. M. WILLIAMS.

ADJUSTABLE TERRET FOR SADDLETREES.

No. 547,704. Patented Oct. 8, 1895.

FIG. IV.

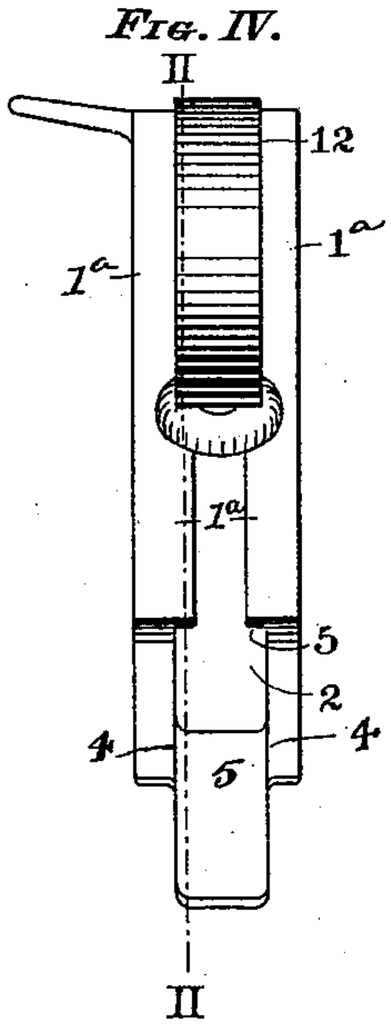

FIG. I.

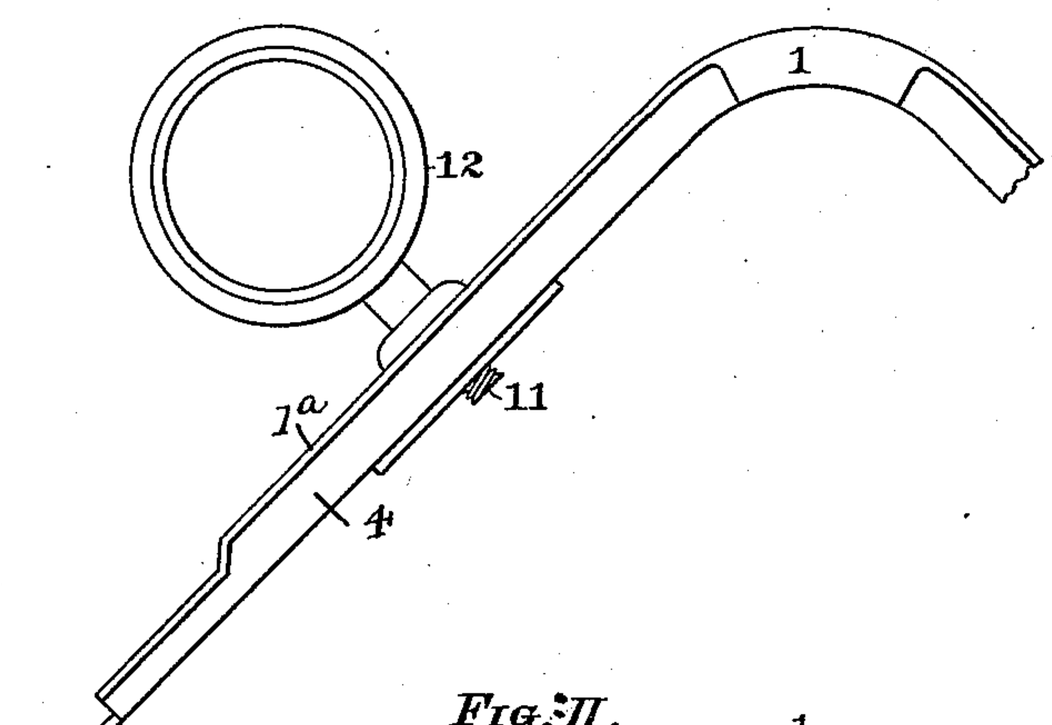

FIG. II.

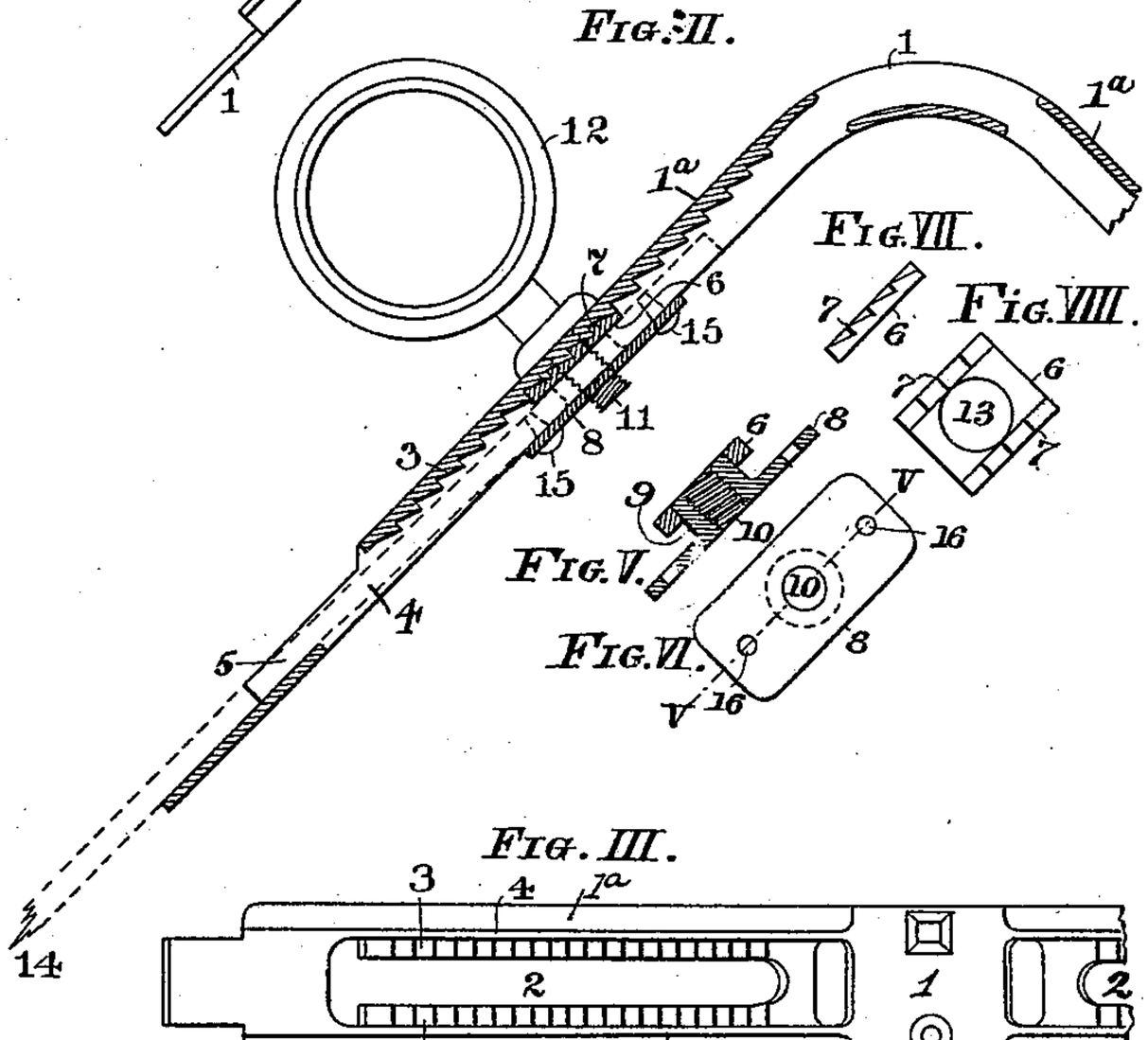

FIG. VII.

FIG. VIII.

FIG. V.

FIG. VI.

FIG. III.

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ADJUSTABLE TERRET FOR SADDLETREES.

SPECIFICATION forming part of Letters Patent No. 547,704, dated October 8, 1895.

Application filed October 12, 1894. Serial No. 525,733. (No model.)

To all whom it may concern:

Be it known that I, CHARLES M. WILLIAMS, of Los Angeles, in the county of Los Angeles and State of California, have invented certain new and useful Improvements in Adjustable Terrets for Saddletrees, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to certain new and useful improvements in saddletrees; and my invention consists in certain features of novelty hereinafter described and claimed.

Figure I represents detail front elevation of my improved saddletree. Fig. II represents a longitudinal section taken on line II II, Fig. IV. Fig. III represents an inverted view of the tree. Fig. IV represents a side elevation of the tree. Fig. V represents a section taken on line V V, Fig. VI, of the adjustable serrated and retaining plates. Fig. VI is a bottom view of the retaining-plate. Fig. VII is an edge view of the serrated plate. Fig. VIII is a top view of the serrated plate.

Referring to the drawings, 1 represents the body of the saddletree, a portion of one side being broken away, as the constructions of both sides are the same.

2 represents centrally-located slots extending longitudinally of the body 1 nearly the whole length thereof. On each side of the slots 2 and extending parallel with the same on the upper side of the body 1 are pairs of inwardly-projecting longitudinal flanges 1^a, each having a series of fixed pendent serrations 3. On the outer sides of the longitudinal flanges 1^a and extending parallel with the slots 2 are longitudinal vertical flanges 4, thus forming central channels 5 on the under side of the body 1.

6 represents an adjustable plate, bearing serrations 7 on its upper side, said plate fitting snugly in the channel 5, and when in its normal position the teeth 7 on the same engage the teeth 3 on the under side of the longitudinal flanges 1^a. (See Fig. II.)

8 represents a retaining-plate having a centrally-located sleeve 9 on its upper side, said plate and sleeve having a central orifice 10 and being screw-threaded for the reception of the inner threaded end 11 of the terret 12.

The adjustable plate 6 has a central round orifice 13, into which the sleeve 9 extends as the retaining-plate 8 is drawn into its normal position on the under side of the body 1 by means of the terret being screwed into position. Before the terret is placed in position the shaft-bearing strap 14, which has a suitable orifice for that purpose, is placed over the sleeve 9 and the retaining-plate and sleeve held temporarily thereto by means of tacks 15, passing through holes 16 in the retaining-plate.

By the use of my improved saddletree the terret can be readily adjusted either up or down to any point desired, and I also avoid the difficulty of matching the orifice in a new tree when from any cause the original tree becomes broken, a very serious obstacle in the harness business of to-day, when there are so many different forms of saddletrees on the market.

I claim as my invention—

A saddle tree comprising a body 1 formed with longitudinal vertical flanges 4, with longitudinal slots 2 extending nearly the whole length of the body with longitudinal central channels 5 and with inwardly projecting longitudinal paired flanges 1^a each having a series of pendent serrations 3, the adjustable plate 6 having serrations on its upper side and a hole 13, retaining plate 8 having a screw threaded sleeve fitting in the hole in the adjustable plate and the terret supported on a pair of the serrated flanges, secured to the retaining plate, and held in position by the adjustable plate; substantially as described.

CHARLES M. WILLIAMS.

Witnesses:
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ALICE J. STEVENS.