

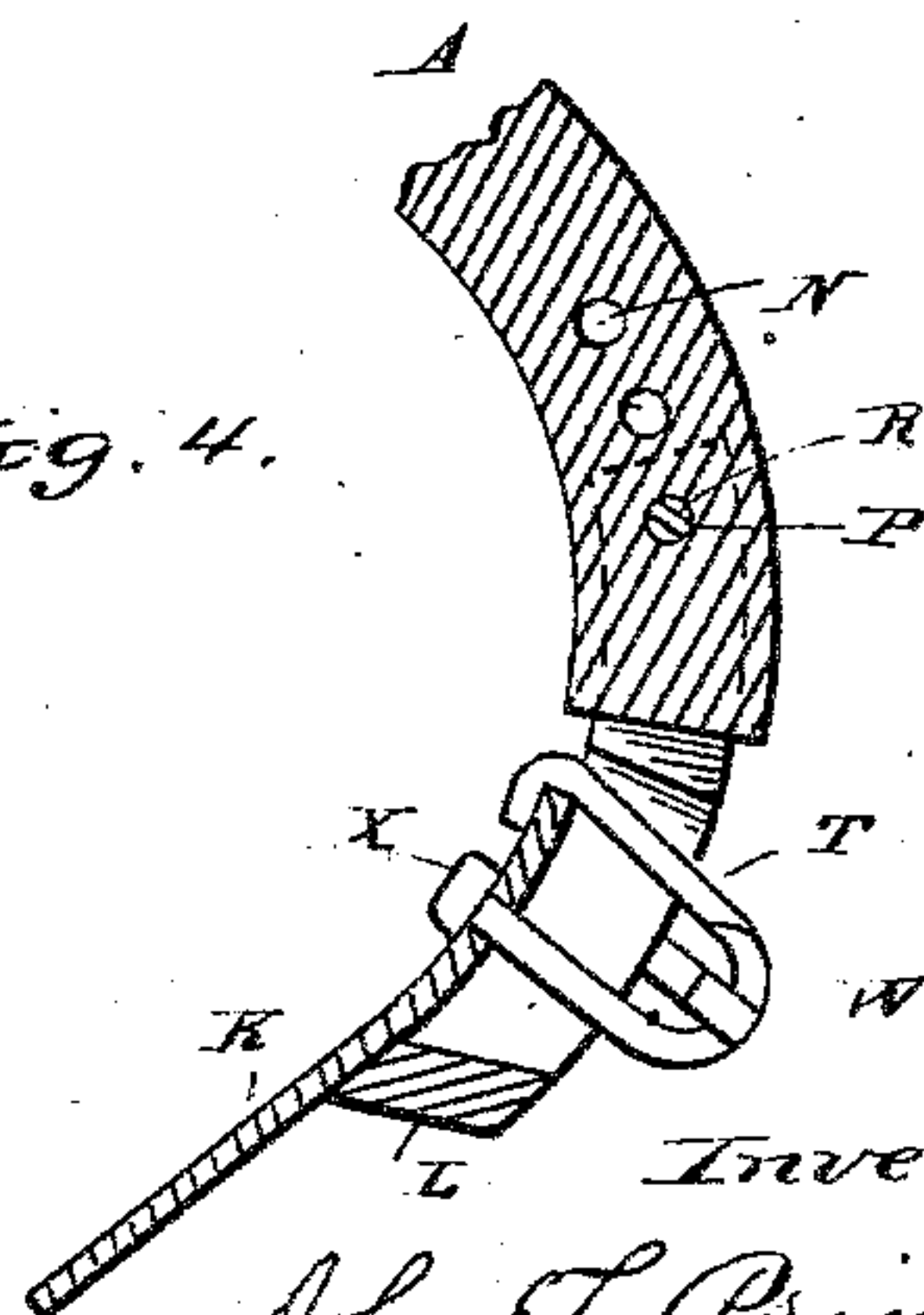
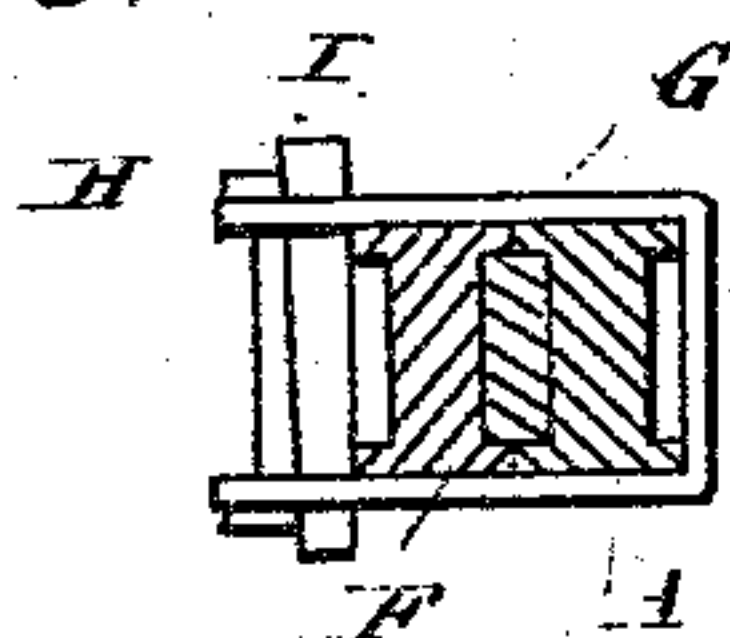
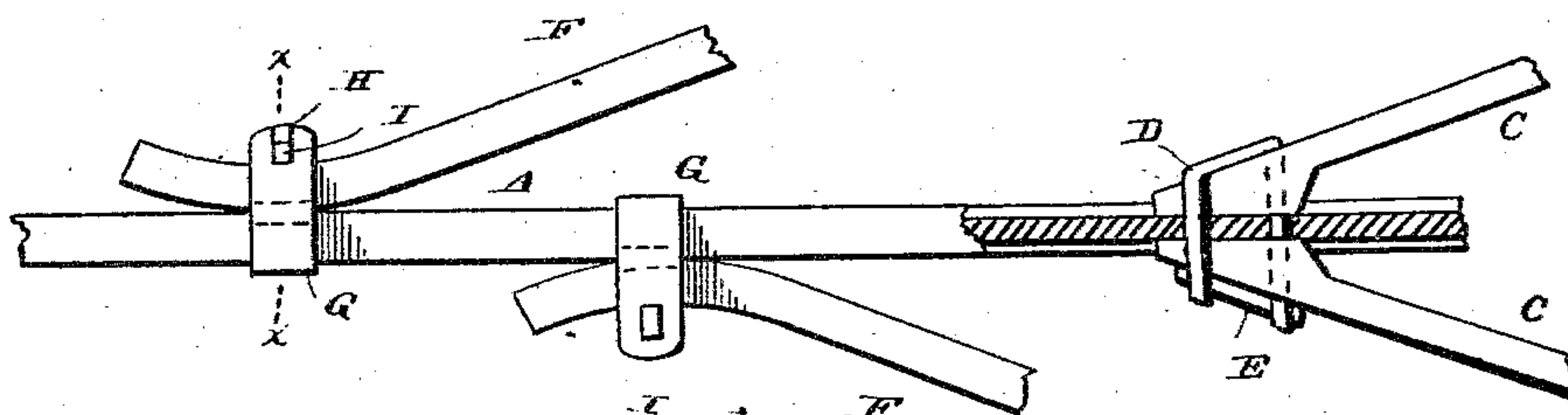
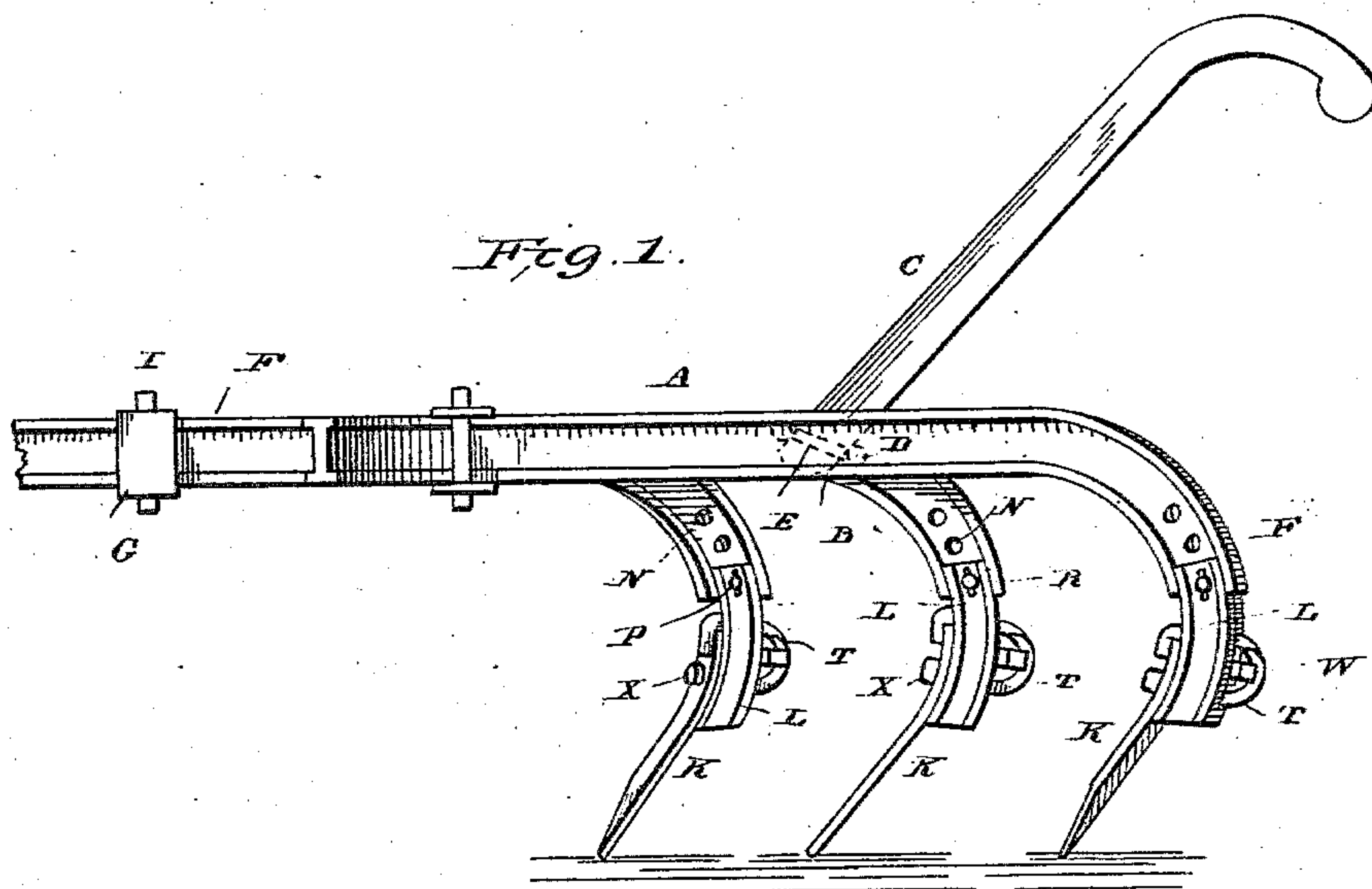
(No Model.)

J. T. PRIOR.

PLOW AND CULTIVATOR COMBINED.

No. 286,485.

Patented Oct. 9, 1883.



Witnesses.

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PLOW AND CULTIVATOR COMBINED.

SPECIFICATION forming part of Letters Patent No. 286,485, dated October 9, 1883.

Application filed January 23, 1883. (No model.)

To all whom it may concern:

Be it known that I, JOHN T. PRIOR, a citizen of the United States, residing at Prior's Station, in the county of Polk and State of Georgia, have invented certain new and useful Improvements in Plow and Cultivator Combined, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to certain improvements in cultivators; and it has for its objects to provide improved means whereby the plow-standards and plowshares may be adjusted and secured, as more fully hereinafter specified. These objects I attain by the means
15 illustrated in the accompanying drawings, in which—

Figure 1 represents a side elevation of my improved cultivator; Fig. 2, a top view of a
20 portion of the same; Fig. 3, a transverse sectional view on the line *x x* of Fig. 2; Fig. 4, a detached sectional view of one of the standards and the plow share or shovel attached thereto, and Fig. 5 a detached detail front ele-
25 vation of one of the lower sections.

The letter A indicates the main beam of the cultivator, which is constructed of flanged iron, having a curve at the rear end, which forms the standard for the central or main
30 plowshare. To the said beam are attached at B the plow-handles C by means of a U-shaped bolt, D, passing through suitable apertures in the beam, being secured by means of a pin, E, passing through suitable aper-
35 tures in the ends of the bolt.

The letter F indicates two side or auxiliary beams, which are curved laterally at their forward ends, as shown. These are attached at
40 said curved ends to the main beam by means of the metallic straps G and the bolts H, being held and adjusted by means of the interposed metallic wedges, I. The said beams are flanged, and curved at their rear ends, so as to form standards for the side plow shares or
45 shovels, (indicated by the letter K.)

The letter L indicates a series of metallic sections curved to correspond to the curved ends of the standards. The said sections are slotted longitudinally from their upper to near
50 their lower ends, and are adapted to set upon the lower ends of the standards, between the flanges thereof. The web of each standard is provided with apertures N, and the sections with an aperture, P, through which may be

55 passed a bolt, R, by means of which the sections may be adjustably fastened to said standards.

The letter K indicates the plowshares, as before mentioned. These may be of any ordinary or approved construction. These are
60 curved, so as to fit the forward sides of the curved sections, and are clamped to the said sections by means of the U-shaped bolts T and the wedges W, as indicated. One of the
65 arms of the bolts is provided with a head, X, the said bolt passing through an aperture in the plowshare, and the other is bent at its forward end so as to engage the upper edge of the share, the wedges being passed between
70 the bent ends of the bolts and the rear part of the sections in opposite directions, as indicated.

The operation of my invention will be readily understood in connection with the above description, and is as follows: When the ap-
75 paratus is designed to be used as a single plow, the side beams and their attachments are taken off. When it is desired to use it as a gang-plow, the side beams are secured, by the means hereinbefore described, in such posi-
80 tion as to be all in line or one ahead of the other, as may be desired. They may also be diverged to any desired extent by securing them at different points at their curved forward ends. It will also be seen that the sec-
85 tions may be adjusted to the standards so as to carry the plowshares at any desired height.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. The combination, with the beams, of the longitudinally-slotted adjustable sections, and the plowshares, U-shaped connections, and wedges, substantially as and for the purposes
90 specified.

2. The combination, with the beams having apertures in their curved ends, of the bolts or fastening devices, and the longitudinally-slotted adjustable sections adapted to embrace the web and to fit between the flanges, substan-
100 tially as described.

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

JOHN T. PRIOR.

Witnesses:

WILLIAM D. ALEXANDER,
CHAS. D. DAVIS.