

No. 806,207.

PATENTED DEC. 5, 1905.

W. H. SUFFIELD.
PLOW ATTACHMENT.
APPLICATION FILED MAY 6, 1905.

Fig. 1.

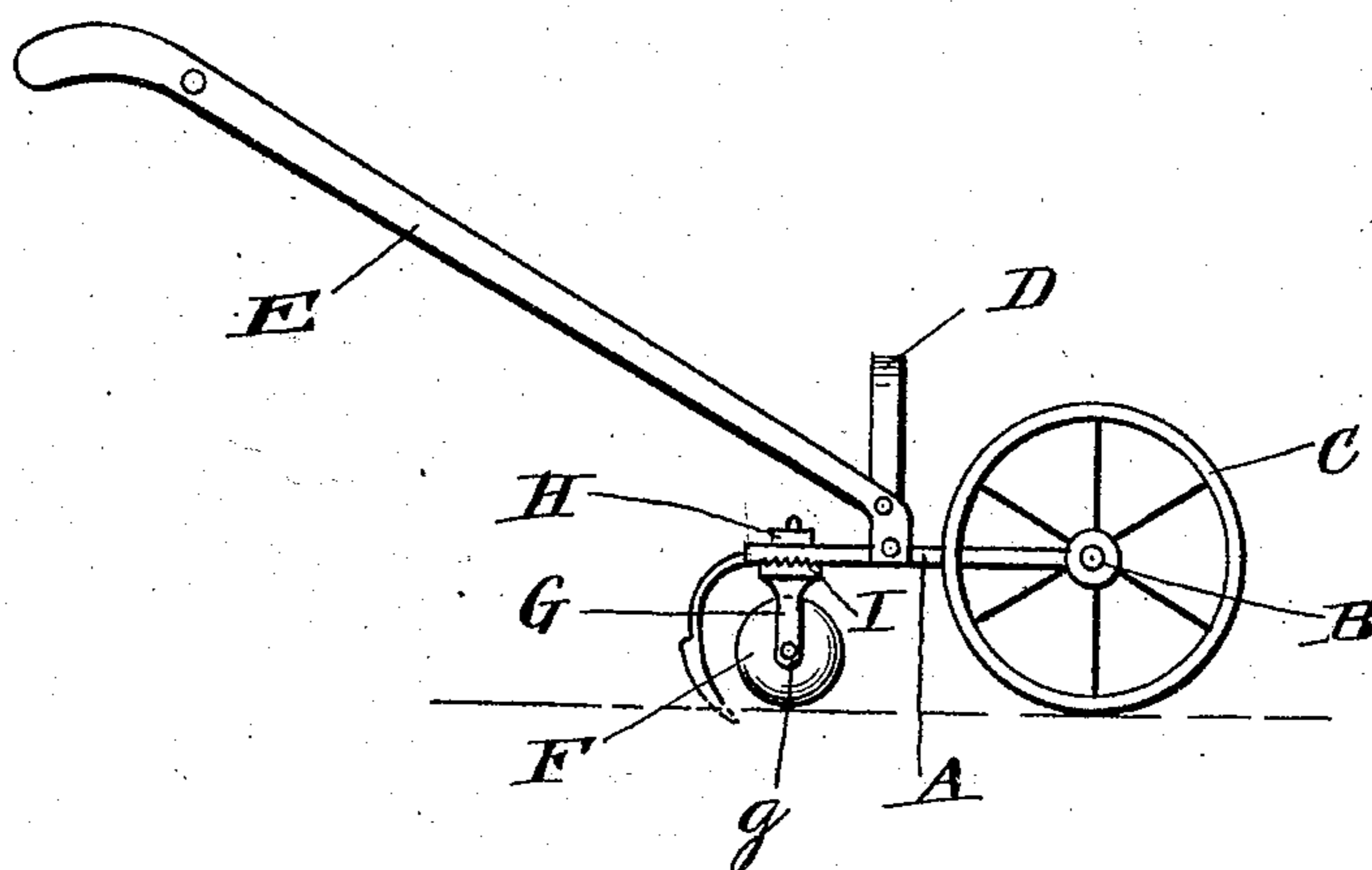


Fig. 2.

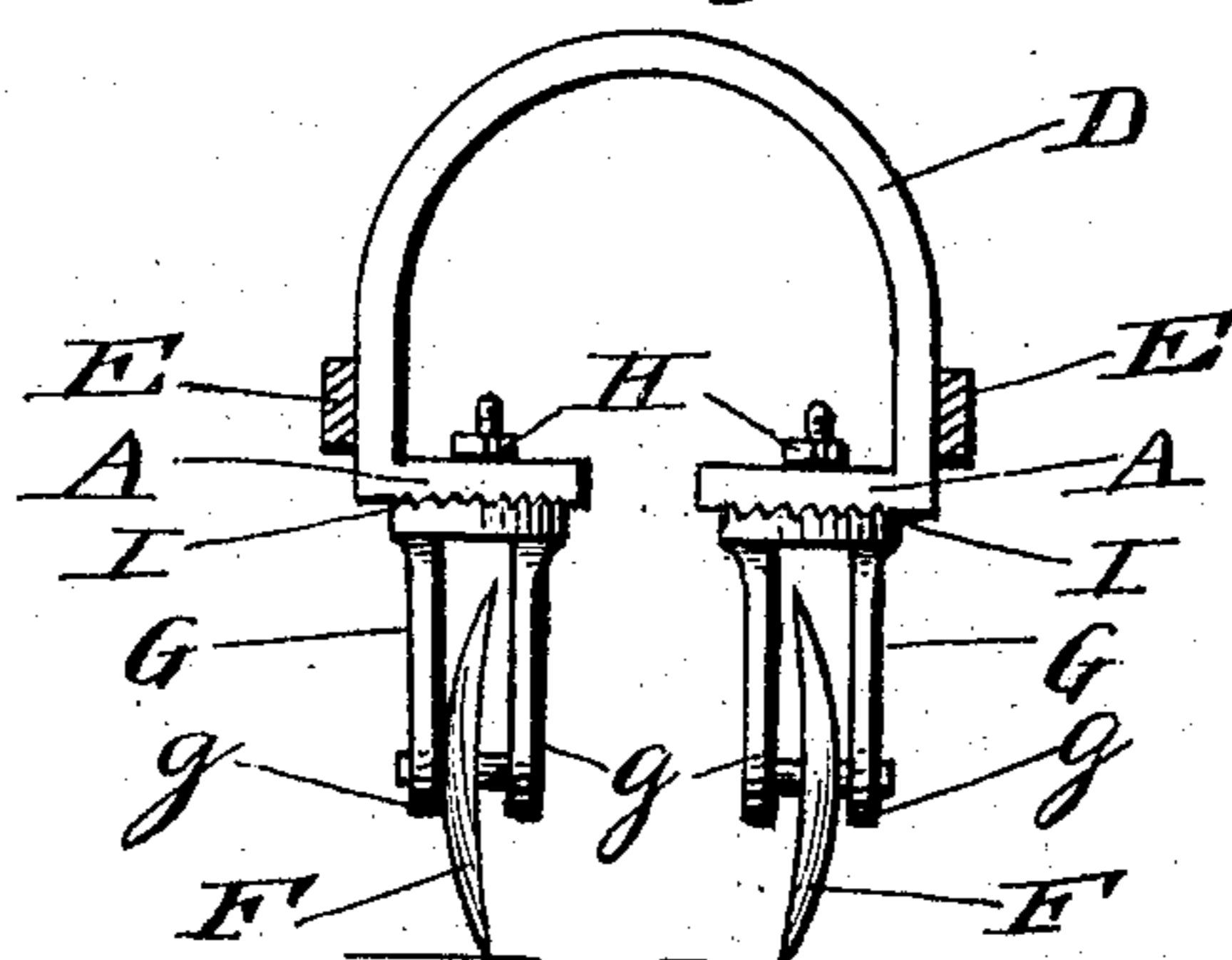
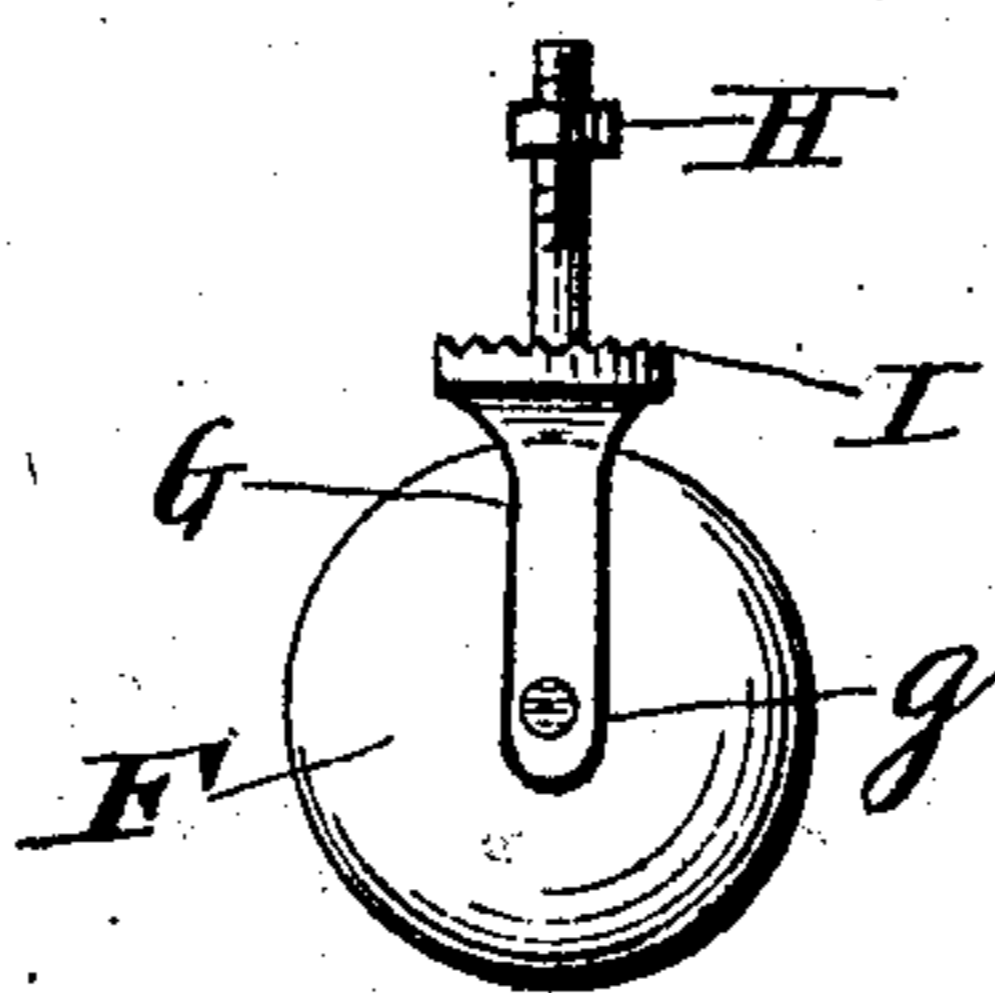


Fig. 3.



WITNESSES:

James H. Blackwood
Jennie D. Gregory

INVENTOR

William H. Suffield

By *James H. Polk*

Attorney

UNITED STATES PATENT OFFICE.

WILLIAM H. SUFFIELD, OF PEKIN, ILLINOIS.

PLOW ATTACHMENT.

No. 806,207.

Specification of Letters Patent.

Patented Dec. 5, 1905.

Application filed May 6, 1905. Serial No. 259,161.

To all whom it may concern:

Be it known that I, WILLIAM H. SUFFIELD, a citizen of the United States, residing at Pekin, in the county of Tazewell and State of Illinois, have invented certain new and useful Improvements in Plow Attachments, of which the following is a specification.

My invention relates to attachments for plows; and it consists of two disks that are adapted to be applied to the plow-frame and so constructed that they may be arranged at any angle in the direction of the draft and held in the position set against displacement.

The construction and advantages of my invention will be explained in detail hereinafter and illustrated in the accompanying drawings, in which—

Figure 1 is a side view of a plow, showing my improvements in position thereon; Fig. 2, a rear view of the plow-frame with the attachment in position, and Fig. 3 a detail view of one of the disks and its mounting.

In the drawings similar reference characters indicate corresponding parts throughout the several views.

My invention is applied to a plow-frame consisting of two parallel horizontal plow-beams A, having laterally-extending axles B, on which are journaled traction-wheels C, the two beams being connected by means of an arch D, designed to straddle the row of growing plants, and to said arch is secured the handle E.

F represents the disks, which are revolvably mounted between the forked ends *g* of uprights G. The upper ends of uprights G are adapted to be inserted through holes in the beams A and secured in place by means of nuts H, fitting screw-threads on the extreme ends of said uprights.

I represents a serrated annular shoulder made integral with the uprights G, that are

adapted to engage serrations J on the under side of the beam and hold the upright in position to keep the disk F mounted therein from turning in a horizontal plane, it being also understood that this structure also admits of securing the disk at any desired angle relative to the draft.

As shown in the drawings, the disk may be made concavo-convex in cross-section, though other forms may be employed, if desired, without altering the spirit of my invention, which consists, essentially, of the construction of the revoluble disks and the construction by which the disks may be set at any angle to the draft desired by the operator. It will also be understood that my invention may be used equally as well for cultivating growing plants, a weeder, or for digging the plants, especially onions, by arranging the angle of the disks as hereinbefore described.

Having thus described my invention, what I claim is —

A device of the character described, consisting of two parallel beams, a lateral-extending axle on each beam, traction-wheels journaled on said axles, an arch secured to said beams, a forked upright secured to each beam, a concavo-convex disk revolvably mounted in each upright, an annular serrated shoulder on each upright, and serrations on the under side of the beams to engage the serrations on said shoulder, substantially as shown and described.

In witness whereof I have hereunto set my hand in presence of two subscribing witnesses.

WILLIAM H. SUFFIELD.

Witnesses:

R. P. VAN DEUSEN,
H. F. BROSS.