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PATENTED SEPT. 10, 1907.

J. J. MAGINN & A. E. CARY.

DRAFT ATTACHMENT.

APPLICATION FILED NOV. 10, 1906.

Fig. 1

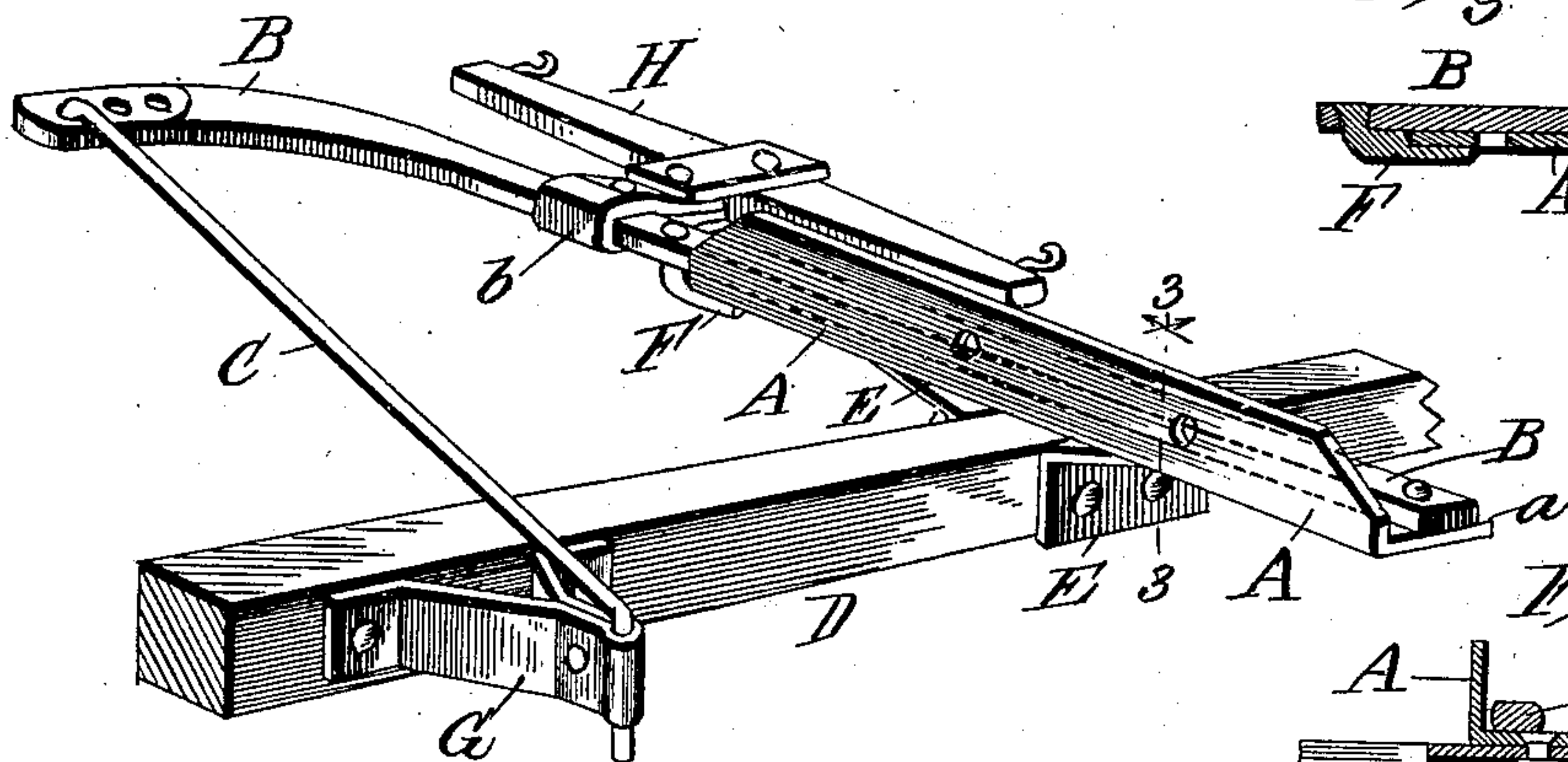


Fig. 2

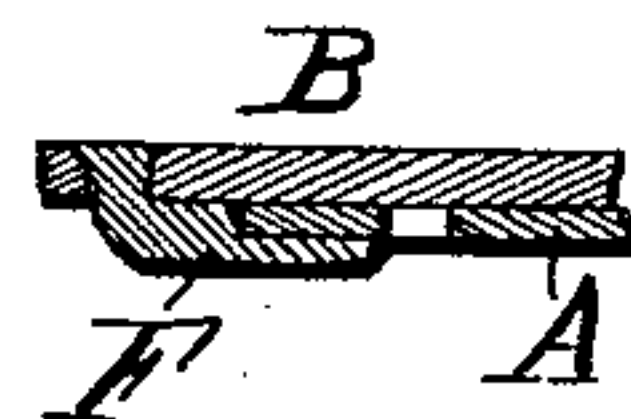


Fig. 3

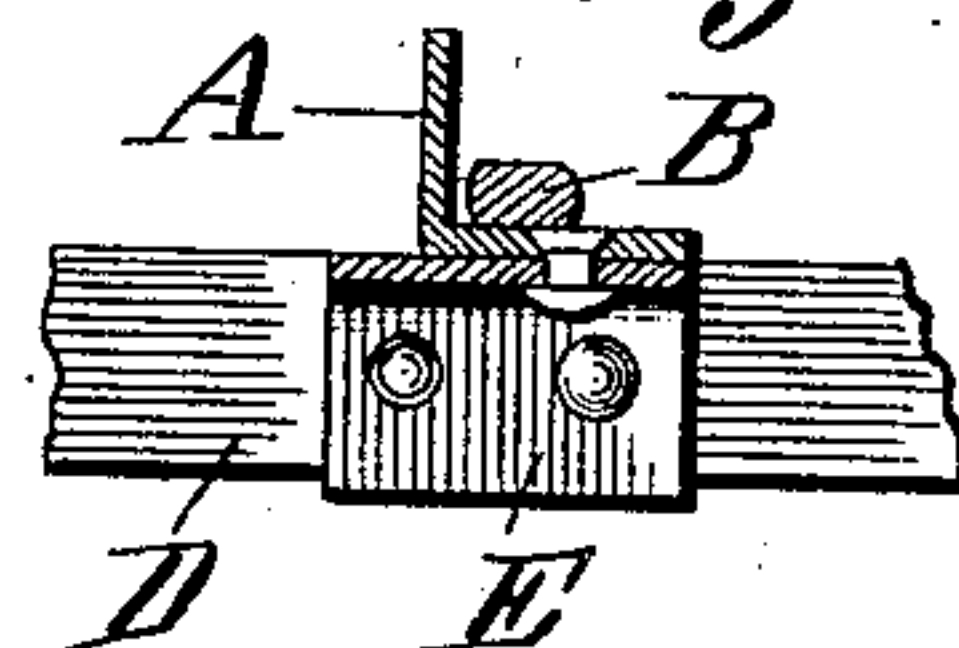


Fig. 4

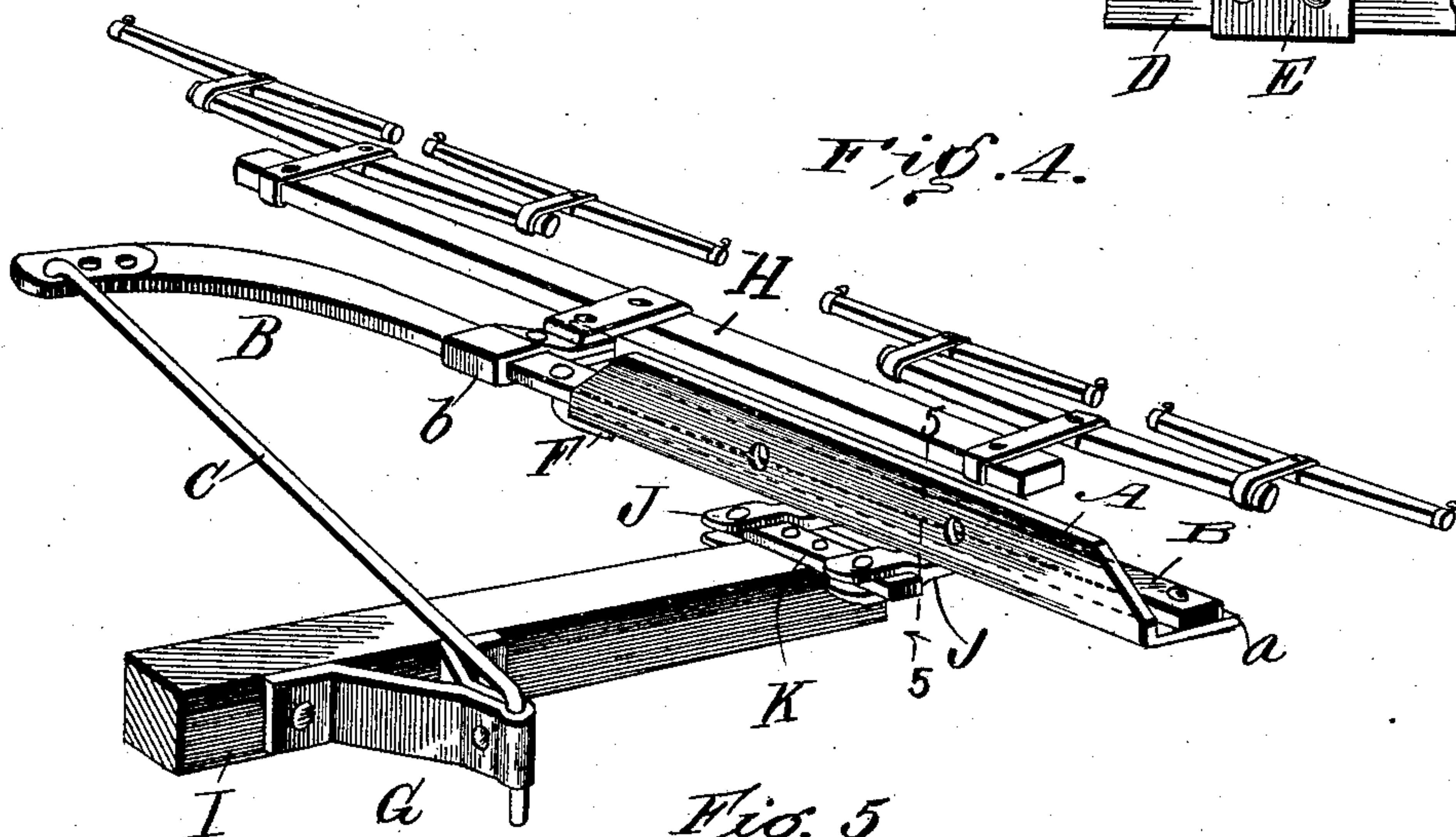
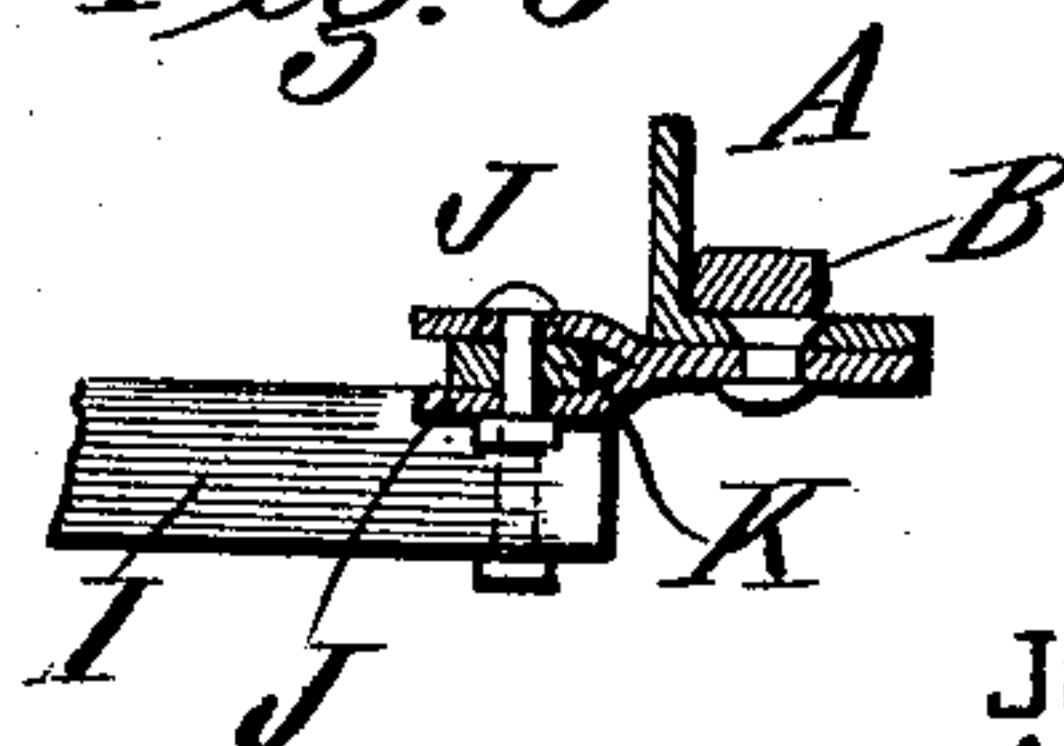


Fig. 5



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# UNITED STATES PATENT OFFICE.

JOHN J. MAGINN AND AARON E. CARY, OF GREELY, NEBRASKA.

## DRAFT ATTACHMENT.

No. 865,924.

Specification of Letters Patent.

Patented Sept. 10, 1907.

Application filed November 10, 1906. Serial No. 342,803.

*To all whom it may concern:*

Be it known that we, JOHN J. MAGINN and AARON E. CARY, citizens of the United States, and residents of Greeley, in the county of Greeley and State of Nebraska, have invented an Improved Draft Attachment for Plows and Harvesters, of which the following is a specification.

Our invention is an improvement in that class of draft appliances or attachment for plows and harvesters which are subjected to side draft.

The details of construction, arrangement and combination of parts are as hereinafter described and illustrated in the accompanying drawing, in which—

Figure 1 is a perspective view of our improved attachment applied to the tongue of a binder harvester; Fig. 2 is a detail section hereinafter referred to; Fig. 3 is a vertical section on the line 3—3 of Fig. 1; Fig. 4 is another perspective view showing our improved attachment provided with a 4-horse evener. Fig. 5 is a vertical section on the line 5—5 of Fig. 4.

The chief parts of my improved attachment are an angle plate A, a lever B, and a hook or connecting device C, the parts being arranged as shown in Fig. 1. That is to say, the angle plate A rests with one flat side on the pole or tongue D of a binder, and it is secured thereto by the medium of angular brackets E, which are riveted to the respective parts A and D, as shown in Fig. 3. By making the plate A in angular form, as shown, it combines maximum lightness and strength. The lever B is curved rearward at one end and is pivoted at the other end to the extremity *a* of the angle plate A. It rests and is adapted to swing on the horizontal part of the angle plate, and is held down thereon by means of a claw or lug F—see Figs. 1 and 2—one end of the lug being riveted to the lever and the other being bent laterally so as to project underneath the end of the angle plate A. The rod C connects the other end of the lever B with a bracket G which is secured to the opposite side of the tongue D at a point located some distance in the rear of the plate A. The ends of the rod C are bent downward to adapt it to enter the said bracket and holes formed in the free end

of the lever. It thus constitutes practically a detachable hook which, when applied as shown, holds the free end of the lever rigidly in position. Instead of providing a series of holes which permit different adjustments, I may employ rods or hooks of different lengths. In Fig. 4 I show an evener H attached to the lever B at the point *b* by means of a suitable clevis. It is obvious that by this construction and arrangement of parts I provide for attachment and support of the evener at a point where it will offset excessive side draft, and that by shifting the lever B on the pivot *a* it may be secured at different horizontal inclinations to the angle plate in order to vary the draft, by substituting hooks C of different lengths or by adjusting one end of the hook in different holes in the lever B.

The entire attachment is simple in construction, exceedingly strong, and may be easily attached to any harvester pole or tongue.

In order to apply the attachment to the tongue I of a grain binder, or the beam of a plow, I employ devices comprising bifurcated clips J, and the horizontal bar or clevis K, the latter being bolted to the beam I and the clips embracing its ends as shown in Figs. 4 and 5.

What I claim is—

1. The combination with the tongue of an agricultural implement, of a draft appliance comprising an angle plate secured to the tongue, a curved draft lever pivoted to one end of the plate and having a draft appliance secured to it adjacent to the other end of said plate, and a hook which connects the free curved end of the lever with the beam at a point in rear of the said plate, substantially as described.

2. The combination with a pole or tongue and a horizontal plate extending across the same and rigidly secured thereto, of a draft lever which is pivoted at one end to the right-hand end of the plate and provided with a lug which engages the opposite end of the plate for holding the lever down thereon, and a connecting device extending between the free end of the lever and the portion of the tongue in rear of the plate, substantially as described.

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Witnesses:

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