

(No Model.)

J. B. PEDRICK.

CORN PLANTING ATTACHMENT.

No. 356,290.

Patented Jan. 18, 1887.

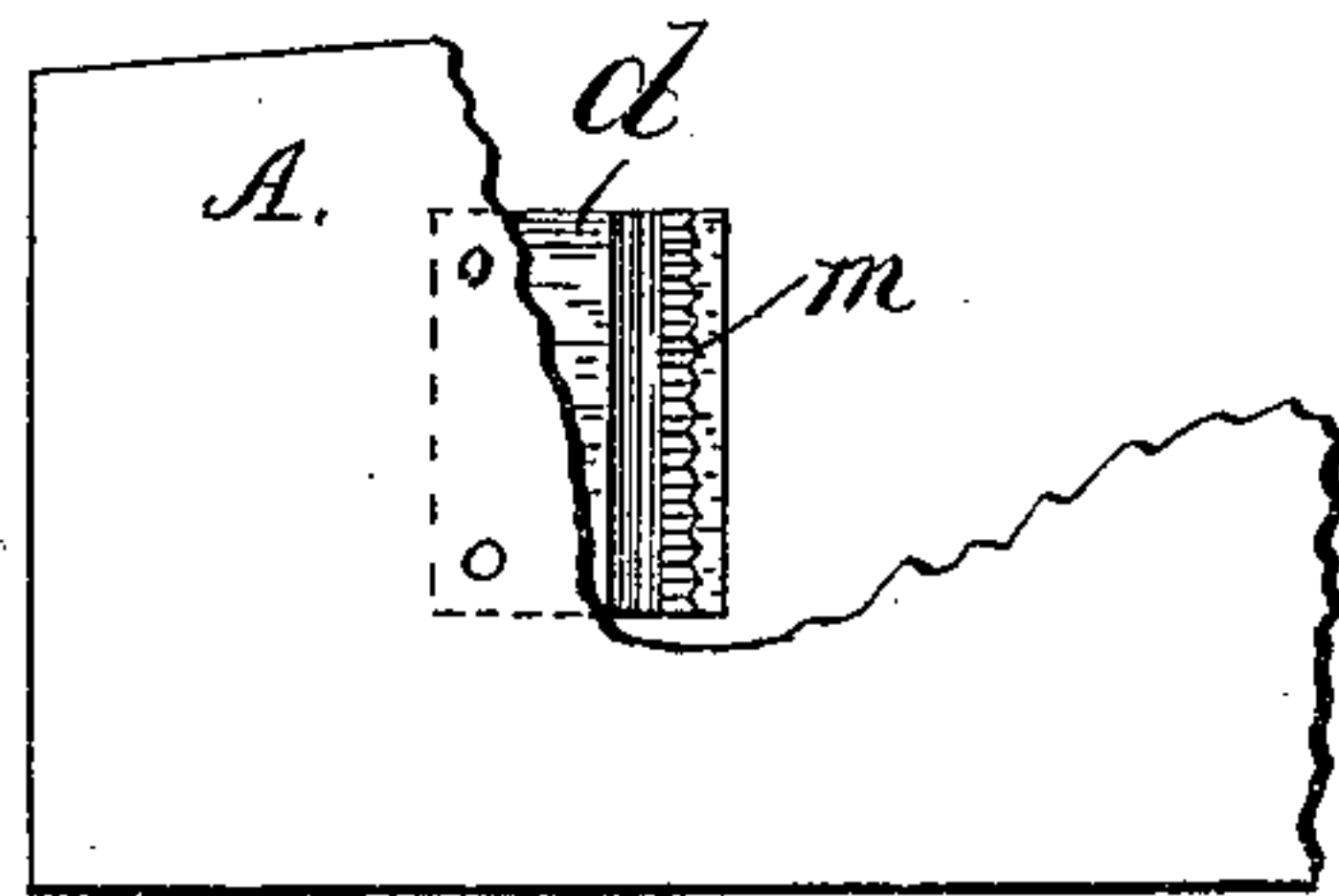
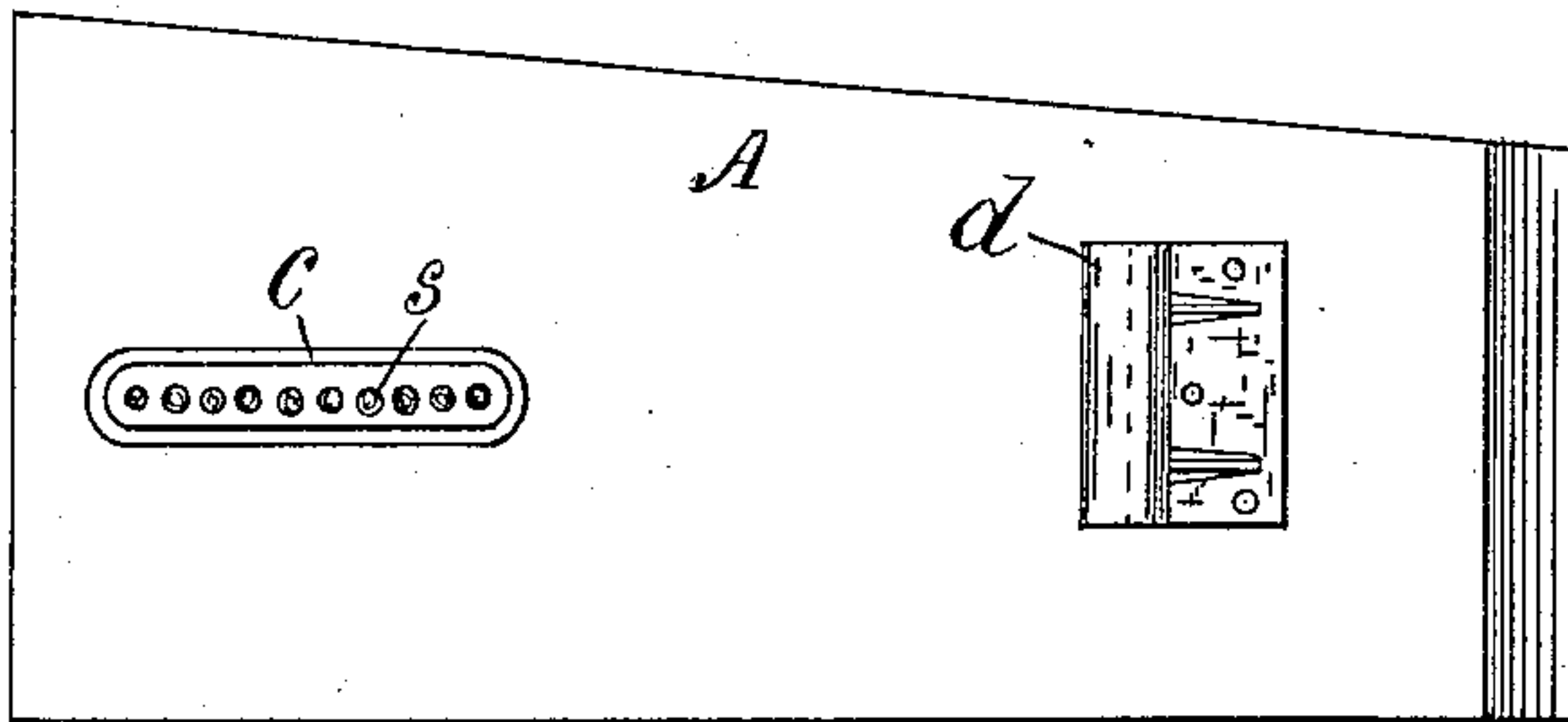
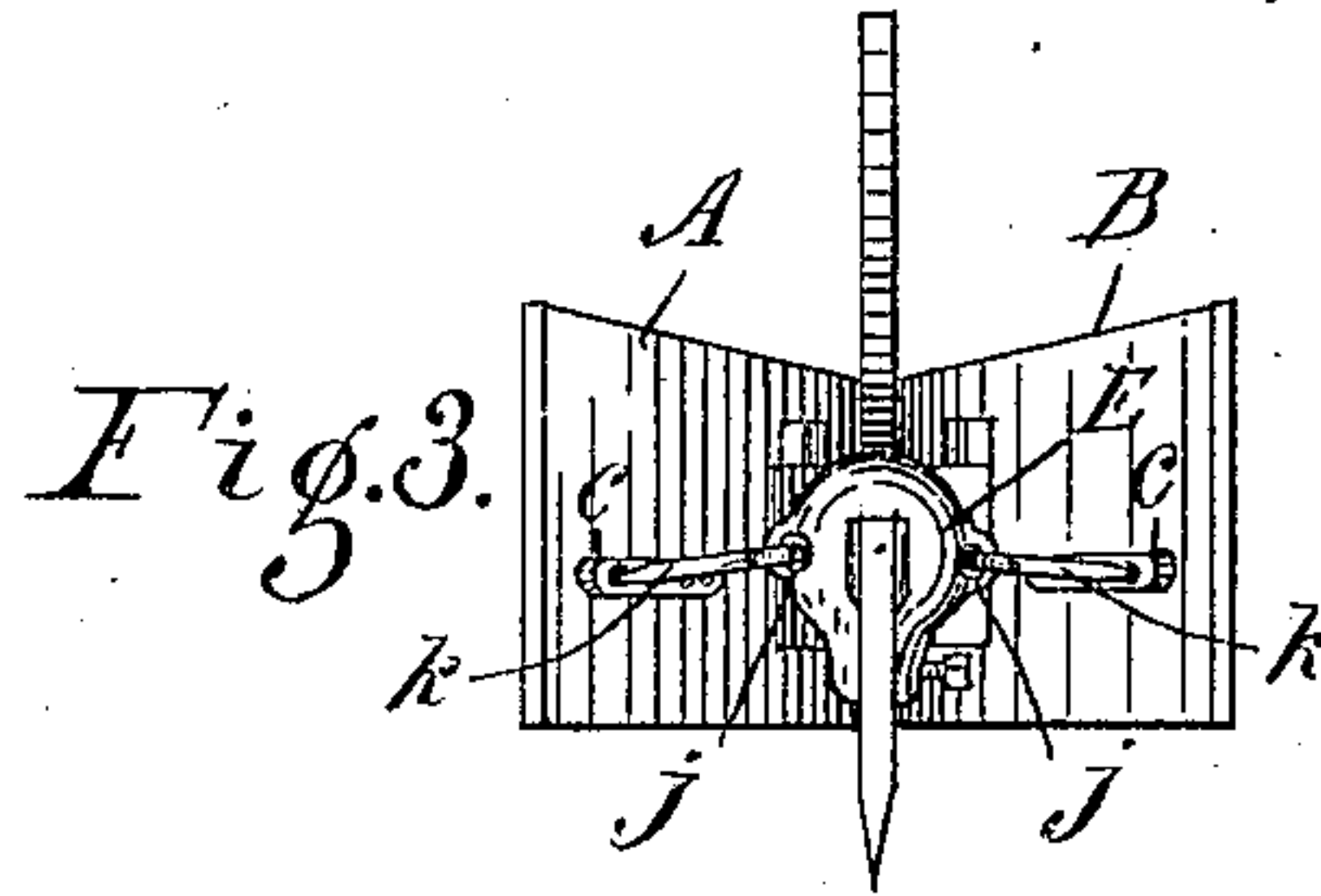
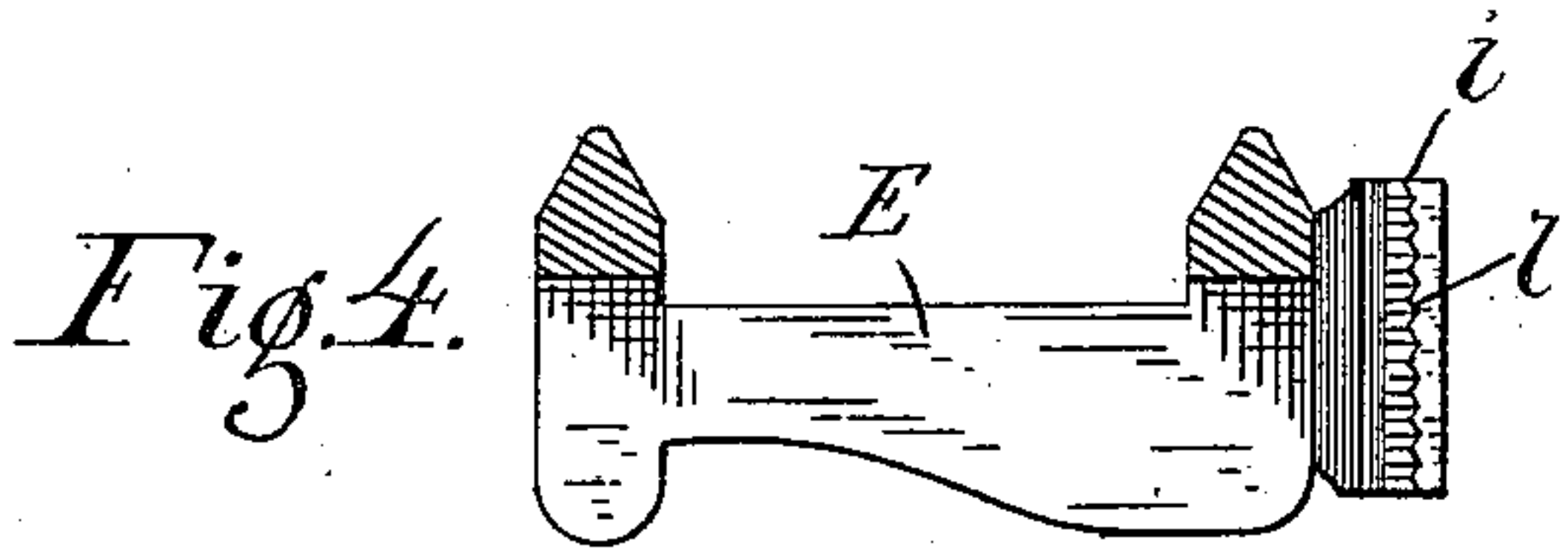
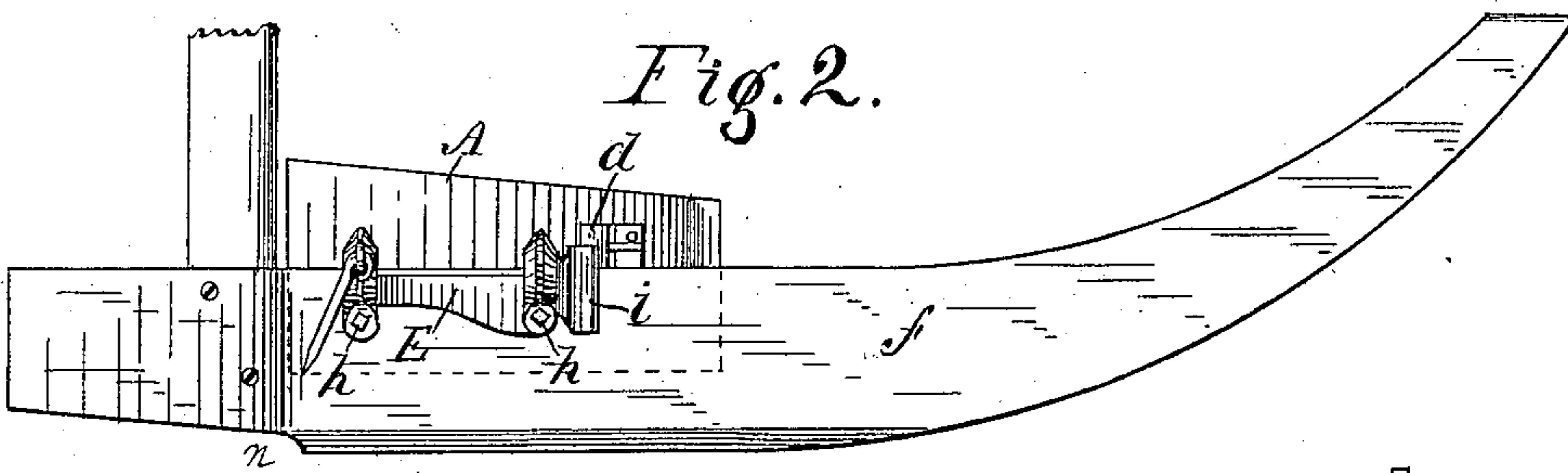
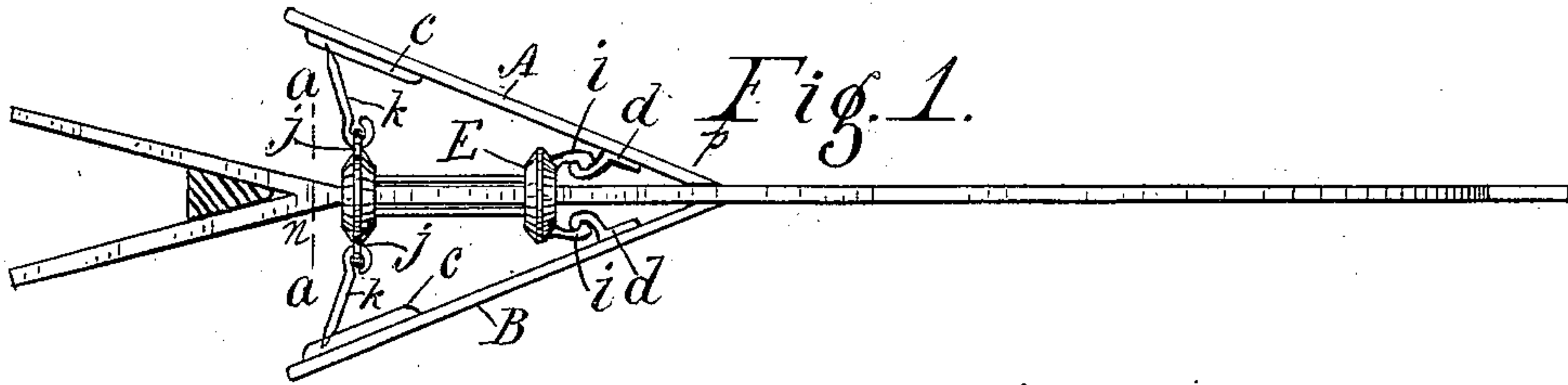


Fig. 5.

Fig. 6.

Witnesses
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UNITED STATES PATENT OFFICE.

JOSEPH B. PEDRICK, OF COLUMBUS, INDIANA.

CORN-PLANTING ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 356,290, dated January 18, 1887.

Application filed October 1, 1886. Serial No. 215,049. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH B. PEDRICK, a citizen of the United States, residing at Columbus, in the county of Bartholomew and State of Indiana, have invented a new and useful Improvement in Corn-Planter Attachments, of which the following is a specification.

My invention relates to an improvement in an attachment to the furrow-runner of a corn-planter, for the purpose of scraping away the surface soil on each side of the furrow, for which Letters Patent No. 333,541 were issued to me January 5, 1886. Said attachment consists in a pair of diverging plates united at their forward ends and secured to the runner, and extending beyond the rear end thereof, so as to form a second furrow above and shallower and wider than the furrow in which the corn is to be dropped.

The object of my present improvement is to provide improved means for securing to the runner the plates which form the second furrow, and to arrange said plates in an improved manner relatively to the diverging rear ends of the furrow-runner, all as hereinafter fully described.

The accompanying drawings illustrate my invention.

Figure 1 is a plan. Fig. 2 is a side elevation having one of the scraper-plates removed. Fig. 3 is a rear view at the line *a a*, Fig. 1. Fig. 4 is a central longitudinal section of the saddle to which the scraper-plates are removably secured. Fig. 5 is an elevation of the inner side of one of the scraper-plates. Fig. 6 is a view, from the opposite side, of a portion of the same plate, a part of the plate being broken away to show the inner edge of the bracket which engages the saddle.

A and B are a pair of thin flat plates of steel, each having secured to one side a catch-plate, *c*, having a series of holes or notches, *s*, and a bracket, *d*, Fig. 5.

E is a casting forming a saddle, which is adapted to slip over and embrace the upper edge of the furrow-runner *f*, to which the saddle is secured by set-screws *h h*. On the forward end of the saddle E are formed a pair of inwardly-turned arms, *i i*, and on the rear end are a pair of eyes, *j j*. Hinged to eyes *j j* are

a pair of brace-rods, *k k*. On the inner surface of the arms *i* is provided a series of teeth, *l*, Fig. 4, and the inner surface of each of the brackets *d* carries corresponding teeth, *m*, Fig. 5 6, which are adapted to interlock with the teeth on the arms *i*.

The scraper-plates A and B are attached to the furrow-runner as follows: Saddle E is first placed in position on the upper edge of the runner, and secured just forward of the forked portion *n* of the runner by the set-screws *h h*. One of the plates is then placed with its forward end close against one side of the runner, as at *p*, Fig. 1, with its lower edge at a suitable distance above the lower edge of the runner. The rear end of the plate is then pushed outward until the bracket *d* engages the arm *i* and the teeth *l* and *m* are interlocked. The rear end of the plate is then forcibly sprung slightly outward, and there secured by inserting the free end of the brace-rod *k* in one of the series of notches in the catch-plate *c*, thus clamping the forward end of the plate strongly against the runner. The other plate is secured in the same manner. By this construction the scraper-plates may be quickly attached or detached and adjusted at any required height without the use of wrenches or other tools, the saddle being designed to remain on the furrow-runner at all times.

It has been found that better results accrue by forming the surface furrow before the narrower furrow in which the corn is to be dropped, and I therefore arrange the plates A and B forward of the forked end of the furrow-runner, instead of placing them farther back, as in my former patent, above mentioned.

I claim as my invention—

The above-described corn-planter attachment, consisting of the saddle having arms *i i*, the plates A and B, each provided with a bracket, *d*, and catch-plate *c*, and the brace-rods *k k*, all combined and arranged to cooperate with each other, and with the furrow-runner of a corn-planter, substantially as specified.

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Witnesses:

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