

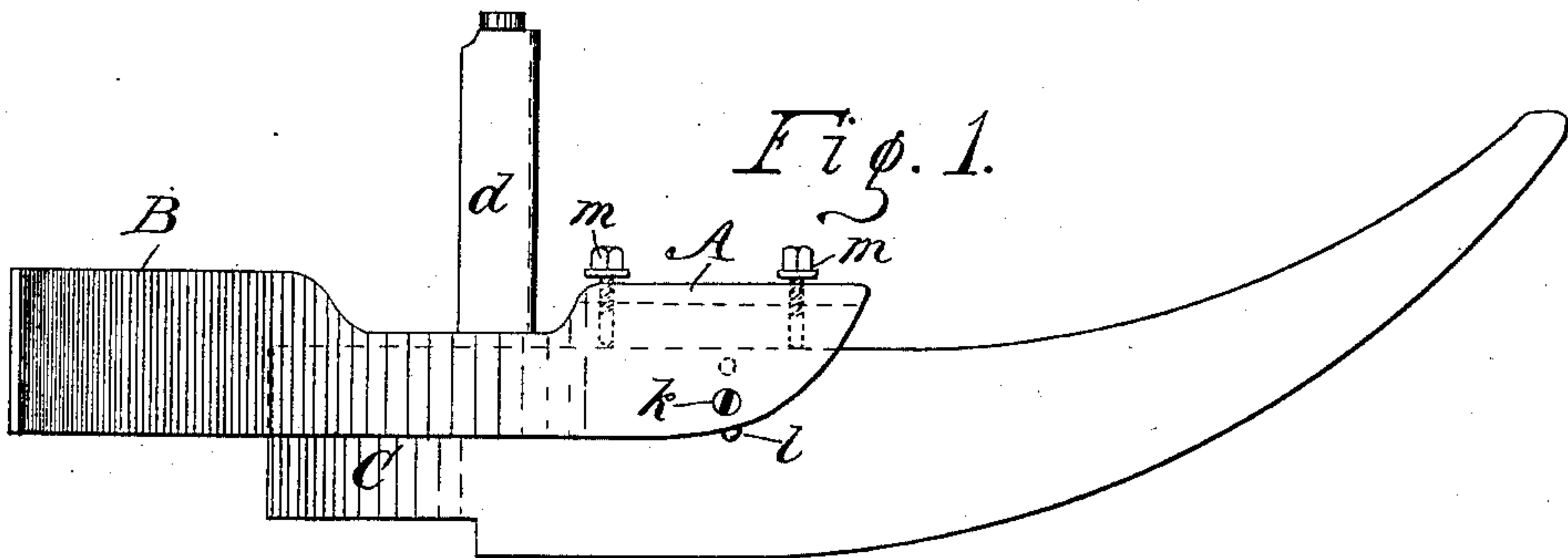
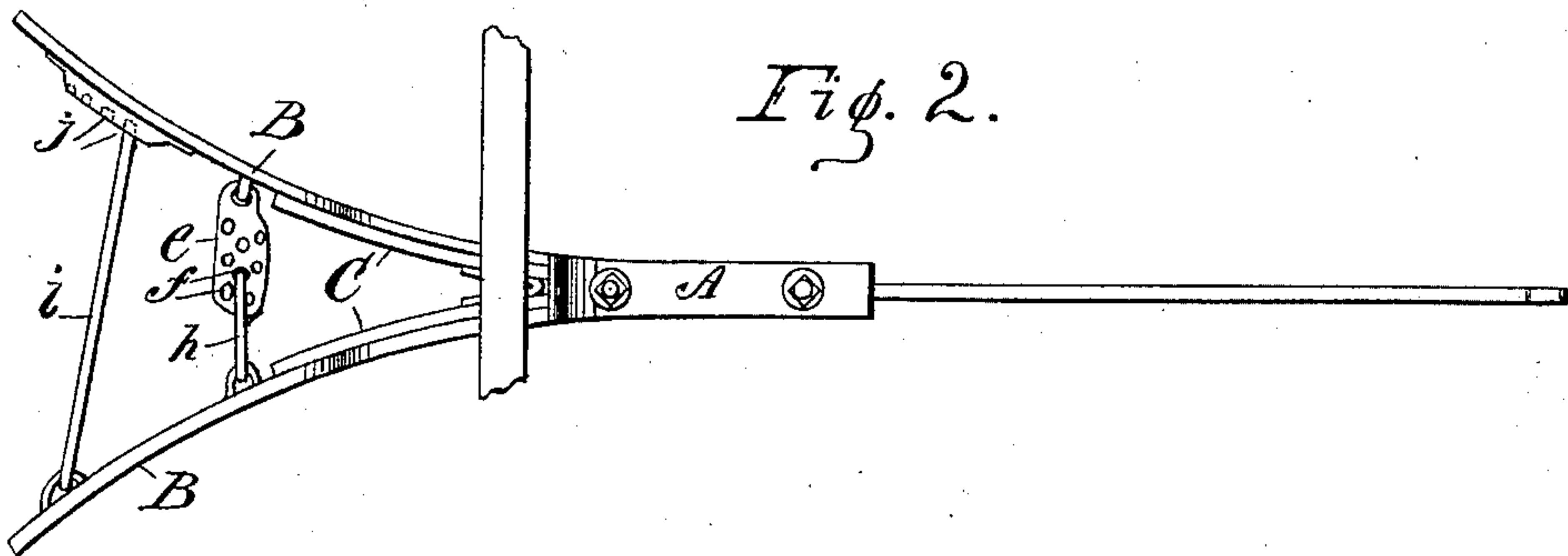
(No Model.)

J. B. PEDRICK.

CORN PLANTER ATTACHMENT.

No. 333,541.

Patented Jan. 5, 1886.



Witnesses:

O. P. Hood.

M. Carsten

Inventor:

Joseph B. Pedrick

By O. P. Hood

Atty.

# UNITED STATES PATENT OFFICE.

JOSEPH B. PEDRICK, OF COLUMBUS, INDIANA.

## CORN-PLANTER ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 333,541, dated January 5, 1886.

Application filed July 23, 1885. Serial No. 172,377. (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, which consists, broadly, in a pair of diverging plates secured to the rear end of the runner, so as to form a second furrow above and shallower and wider than the furrow in which the corn is to be dropped, and which forms the subject-matter for another application for a patent.

The attachment described in the above-mentioned application consists of two separate plates, which are secured to the rear end of the runner, back of the standard which rises from the runner and supports the corn-dropping mechanism.

The object of my present improvement is to provide a similar attachment, in which the plates shall be permanently secured together, shall be adjustable as to their degree of divergence, and shall be secured to and adjusted vertically upon the runner in a novel manner.

The accompanying drawings illustrate my invention.

Figure 1 is a side elevation of a corn-planter furrow-runner with my improved attachment. Fig. 2 is a plan of the same.

The attachment consists of a pair of steel plates joined side by side at one end by their upper edges to form a saddle, A, and extending backward therefrom, to form a pair of diverging wings, B B. The rear end of the runner is divided to form a wedge, C, which opens the corn-furrow, and furnishes a point of attachment for the standard d.

The angle of the wedge-shaped portion C of the runner differs in different machines, and it is desirable that my attachment should be adapted to fit, approximately, these different angles. For this purpose I make use of

a flat link, e, having several holes, f, and hinged to the inside of one of the plates B, just back of the end of the runner. A hook, h, is hinged to the opposite plate and engages the link e, the plates being drawn together or forced apart to conform to the angle of the part C of the runner.

For the purpose of bracing the rear ends of the attachment, a bar, i, is hinged to one side, and its free end engages one of a series of notches, j, in the other side.

The attachment is mounted on the back of the runner C, and is secured thereto by means of a single bolt, k, passing through the saddle A and through either one of a series of holes, l, in the runner.

A pair of set-screws, m m, are screwed down through the saddle, on opposite sides of the bolt k, against the top edge of the runner. Said screws are for the purpose of forming for the attachment adjustable points of support on the back of the runner, and they may also be used, by depressing one and raising the other, to slightly raise or lower the opposite end of the attachment.

In operation the attachment is adjusted on the runner so that the lower edges of plates B are at such a distance above the lower edge of part C of the runner as is desired for the depth of the corn-furrow, the rear ends of said plates diverging sufficiently to form a furrow shallower than that formed by part C of the runner, and wider than the covering-wheel of the planter. When drawn forward, the runner enters the earth at least as deep as the lower edge of the attachment, and a corn-furrow is formed of uniform depth, the surface earth on each side the main furrow being pushed aside by the attachment so far as to be out of the reach of the covering-wheel of the machine.

It will be observed that the attachment may be quickly removed and replaced, and may be attached to an ordinary corn-planter runner without other change than making a hole or holes in the runner for the bolt k.

I claim as my invention—

1. In combination with the furrow-runner of a corn-planter, the attachment consisting of the pair of plates B B, united at one end

to form the saddle A, and diverging therefrom, the bolt *k*, and the set-screws *m m*, all arranged to operate substantially as specified.

2. In combination with the furrow-runner  
5 of a corn-planter, the attachment consisting of the pair of plates B B, united at one end to form the saddle A, and diverging there-

from, link *e*, hook *h*, bar *i*, bolt *k*, and set-screws *m m*, all arranged to operate substantially as specified.

JOSEPH B. PEDRICK.

Witnesses:

JEFF. B. REEVES,

MARSHALL HACKER.