

(No Model.)

J. J. MOORE.

FOLDING CONVEYER CHUTE FOR STRAW STACKERS.

No. 274,632.

Patented Mar. 27, 1883.

Fig. 2.

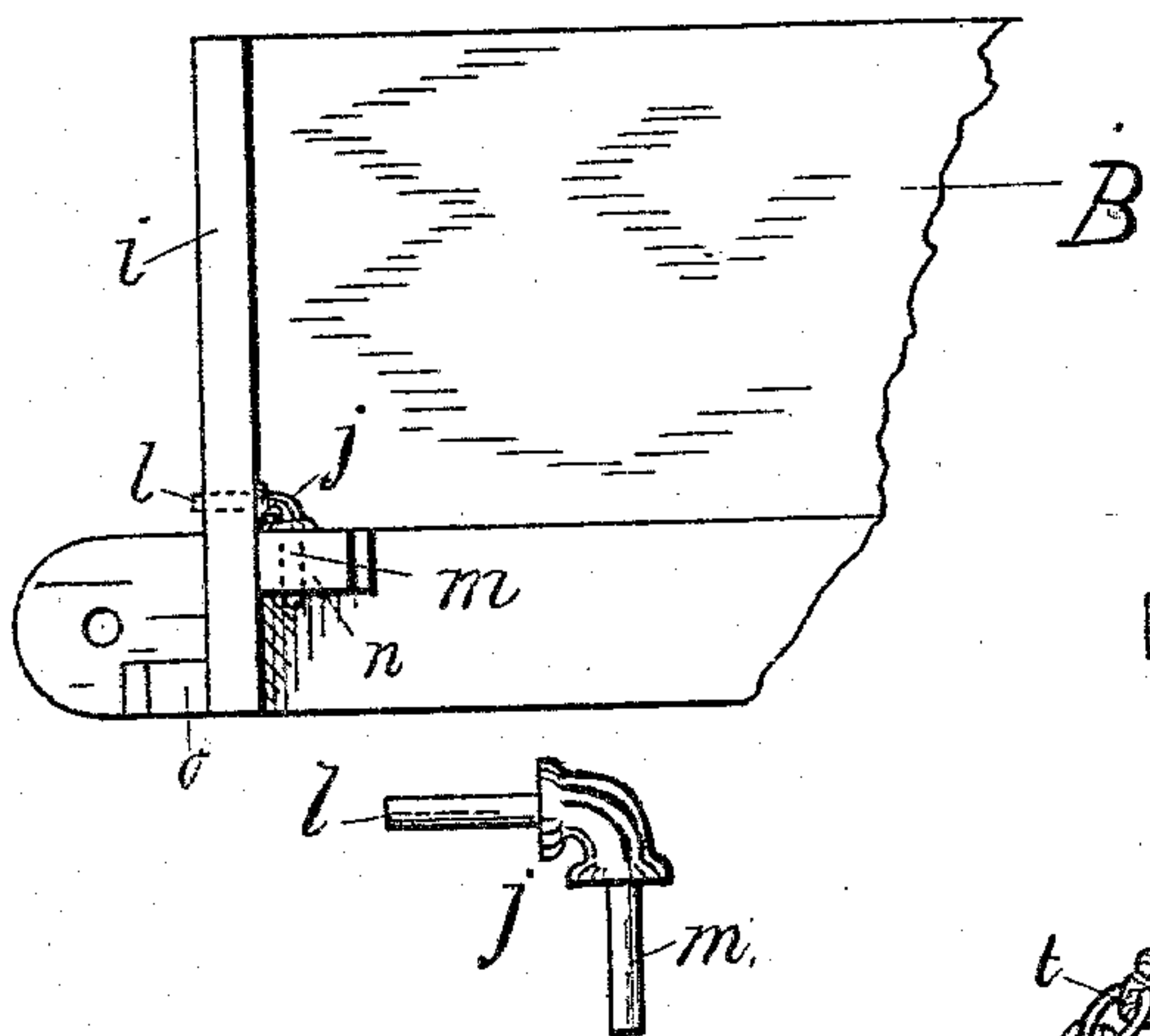


Fig. 3.

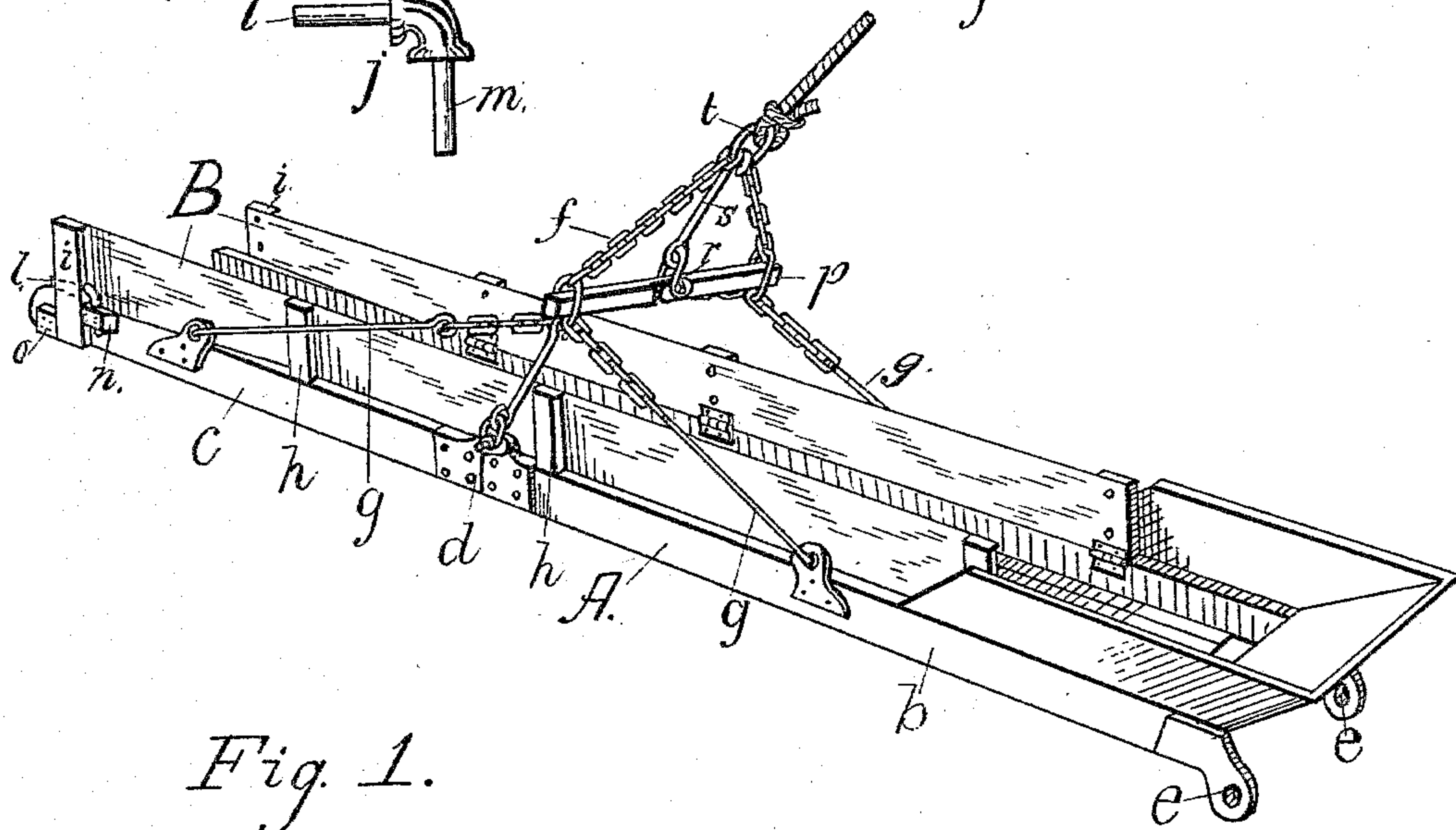
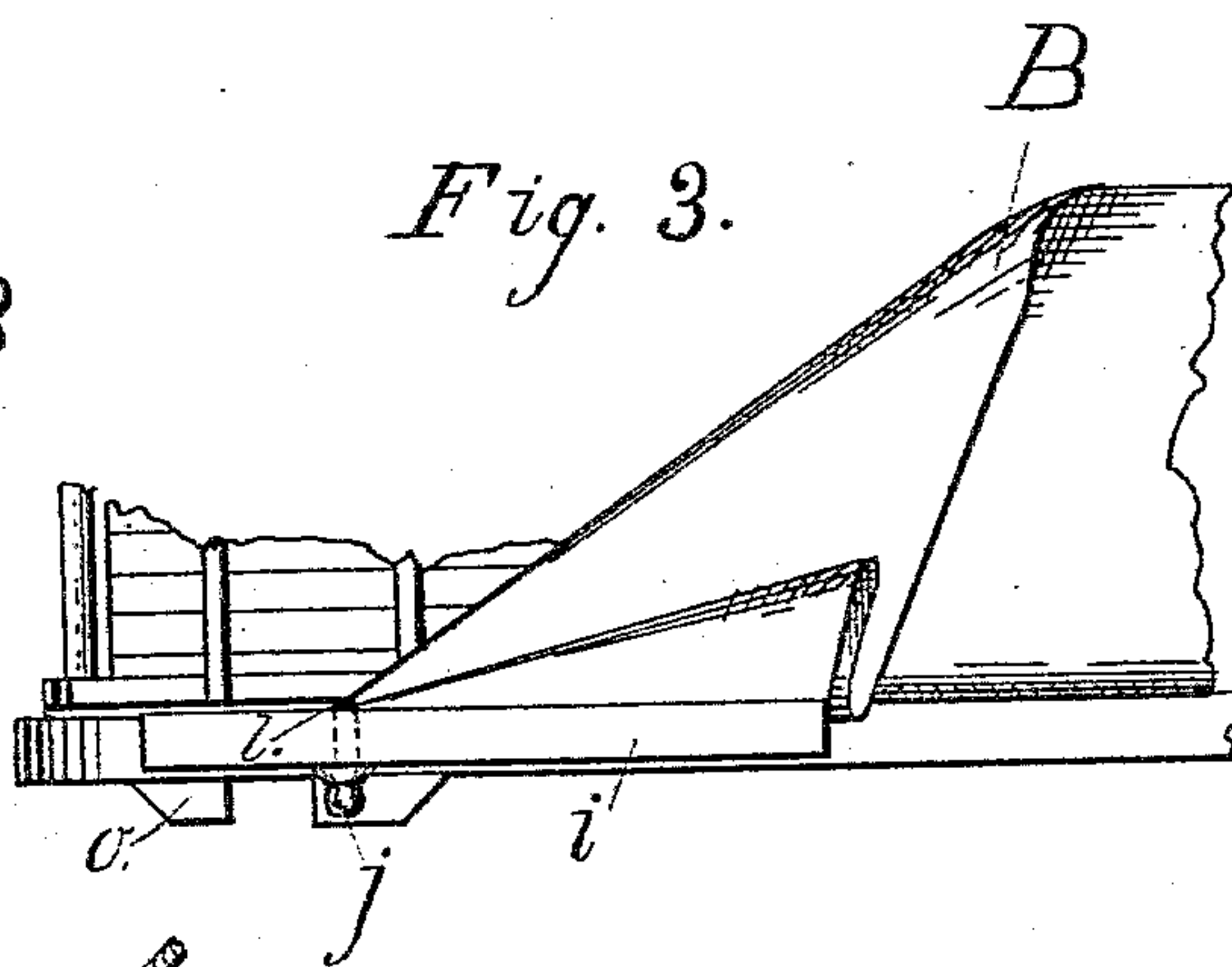


Fig. 1.

WITNESSES:

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UNITED STATES PATENT OFFICE.

JONATHAN J. MOORE, OF THORNTOWN, INDIANA, ASSIGNOR OF ONE-HALF
TO JAMES A. BALL, OF SAME PLACE.

FOLDING CONVEYER-CHUTE FOR STRAW-STACKERS.

SPECIFICATION forming part of Letters Patent No. 274,632, dated March 27, 1883.

Application filed December 7, 1882. (No model.)

To all whom it may concern:

Be it known that I, JONATHAN J. MOORE, a resident of Thorntown, in the county of Boone and State of Indiana, have invented certain
5 new and useful Improvements in Folding Conveyer-Chutes for Straw-Stackers, of which the following is a specification, having reference to the accompanying drawings.

The objects of my invention are, first, to so
10 construct the sides of the straw-conveyer chute in a stacking-machine that they may be easily and quickly folded down flat on the chute-bottom or erected at right angles thereto and fastened in position; second, to so construct
15 the sling by which the chute is suspended that it will also fold down flat on the chute-bottom.

My invention consists in the construction and arrangement of the several parts by means of which the above-mentioned objects are ac-
20 complished, as hereinafter fully described, and particularly pointed out in the claims.

The accompanying drawings illustrate my invention, in which Figure 1 is a perspective view, showing the sides erected and the sling
25 in position. Fig. 2 is an enlarged elevation of the fastening device for holding the sides erect. Fig. 3 is a plan showing the position of the same when folded down.

The same letters indicate the same or corre-
30 sponding parts in all the figures.

A represents a conveyer-chute of usual form for supporting an endless-belt conveyer for elevating straw from a thrasher. Said chute consists of two light platforms, *b c*, hinged to-
35 gether at *d*, and *c* is adapted to fold over onto *b* for the purpose of convenient transportation. *b* is designed to be pivoted at *e* to a thrasher or to an independent frame. The other end of *b* and platform *c* are sustained by
40 a sling, *f*, to which braces *g g* are connected. For the purpose of containing the straw, vertical side pieces of canvas, *B B*, are erected on platforms *b* and *c*. Said canvas side pieces have heretofore been attached to the platforms
45 by means of wooden uprights secured to the canvas at intervals and projecting into eye-plates or staples secured to the platform. This construction necessitates the removal of the sides when the platforms are folded together

for transportation. I secure the canvas sides 50
to the platforms by means of several wooden uprights, *h h*, nailed to the canvas and secured to the platforms by hinges. Said hinges are secured to the lower ends of the uprights and to the sides of the platforms, as shown, in such 55
a manner that they will allow the uprights to fold inward upon the platforms, but will not pass the perpendicular and fold outward. For the purpose of maintaining the canvas sides in an upright position, I use the device illus- 60
trated in Figs. 2 and 3. A wooden upright, *i*, is secured to the outer end of each canvas side. Said uprights project below the lower edge of the canvas, and are attached to the sides of the platform by means of right-angled pivot- 65
brackets, like *j*. One arm of said bracket *l* passes through upright *i* just above the upper edge of the platform-frame, and forms a horizontal pivot, on which said upright turns. The other arm, *m*, forms a vertical pivot, which turns 70
in a bearing, *n*, attached to the side of the platform. When the canvas is raised arm *l* stands parallel with and lengthwise of the platform, and the inside of the lower portion of upright *i* rests against the outside of the platform and 75
the edge against a stop, *o*, secured to the platform. The length of the canvas is such that as upright *i* engages the stop *o* the canvas is drawn taut, and the edge of the lower end of *i* is forced strongly against the stop and the fric- 80
tion of the two surfaces holds *i* upright. When the canvas is to be folded down on the platform a smart push from the outside against the top of *i* releases the lower end from the stop, and bracket *j* swings in its bearing *n* until arm 85
l stands across the platform and the upright folds down lengthwise of the platform, as shown in Fig. 3. For the purpose of allowing the sling by which the chute is suspended to fold up with the chute, the stretcher *p* is made with 90
a joint, *r*, in its center, which is held in position and the stretcher prevented from collapsing by a rod, *S*, which is jointed to the stretcher and hooks into the suspension-ring *t*.

When the chute is to be prepared for mov- 95
ing from place to place it is lowered, rod *S* is unhooked from *t*, and, the stretcher collapsing, the brace-rods *g g* are drawn inward and lie

flatly, with the canvas sides on the bottom of the chute, and carrier-section *c* is folded over on top of section *b*.

I claim as my invention—

5 1. A conveyer-chute consisting of two platforms hinged together and adapted to fold one upon the other, as shown and described, canvas sides permanently attached thereto and adapted to fold down thereon, two-way pivot-
10 brackets, and uprights pivoted on said brackets for securing said canvas sides in an upright position, substantially as shown and described.

2. The combination, with a conveyer-chute and a sling suspending the same, of a jointed
15 stretcher adapted to be folded together, and a

means for locking the same in position when extended, substantially as shown and described.

3. The combination, with a straw-conveyer chute, of canvas sides permanently secured thereto, and adapted to be erected at the sides
20 thereof and to be folded down thereon, means for securing said canvas sides in an erect position, a sling for suspending said chute, and a folding stretcher, all combined substantially
25 in the manner shown and described, and for the purpose set forth.

JONATHAN J. MOORE.

Witnesses:

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