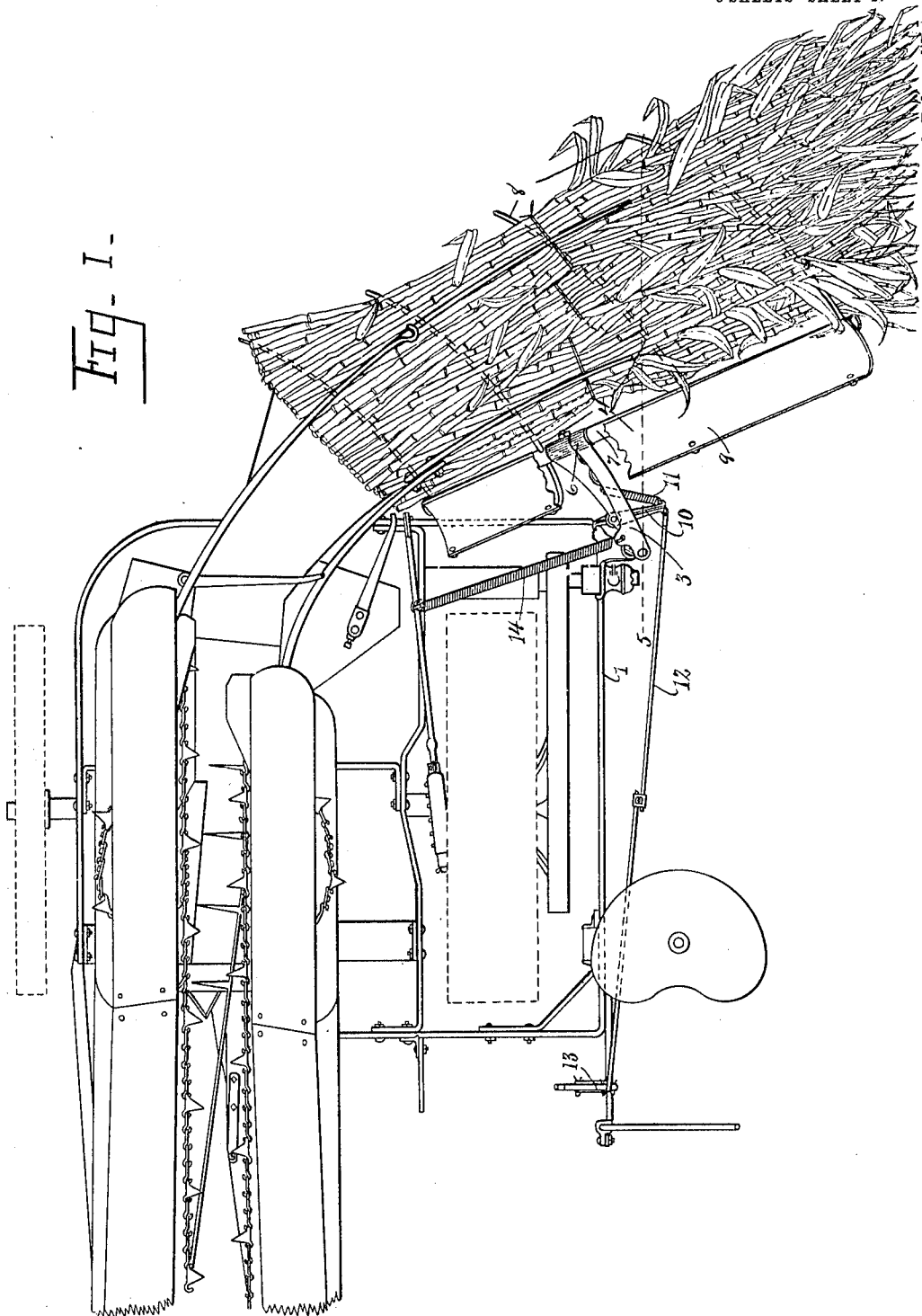


949,334.

C. S. SHARP.
BUNDLE CARRIER.
APPLICATION FILED MAY 11, 1904.

Patented Feb. 15, 1910.
3 SHEETS—SHEET 1.



Witnesses:
Dr. E. C. C. C.
R. A. Baldwin

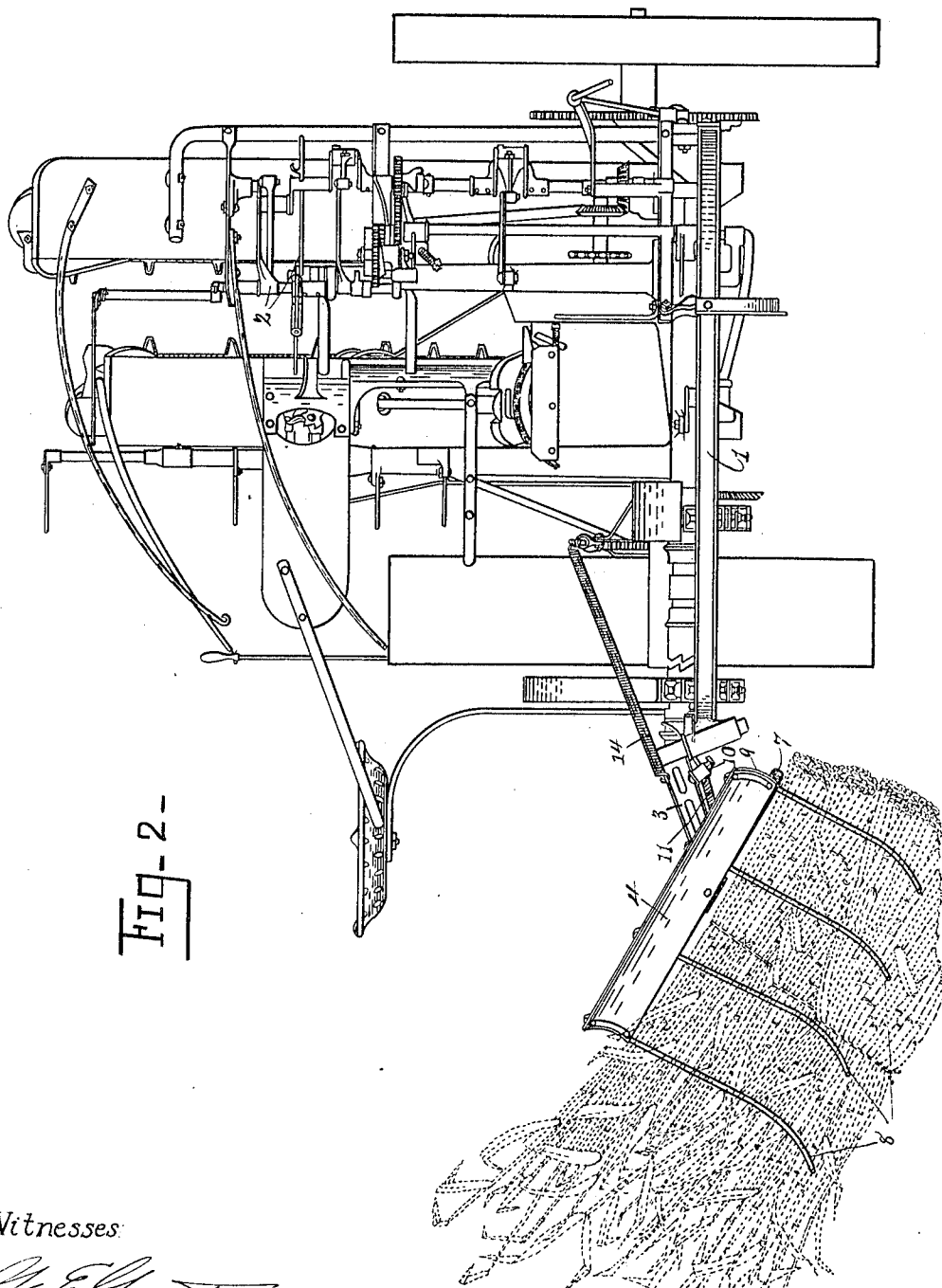
Inventor:
Charles S. Sharp
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Attorneys

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3 SHEETS—SHEET 2.



Witnesses:

W. E. Chubb

R. A. Baldwin

Inventor

Charles S. Sharp

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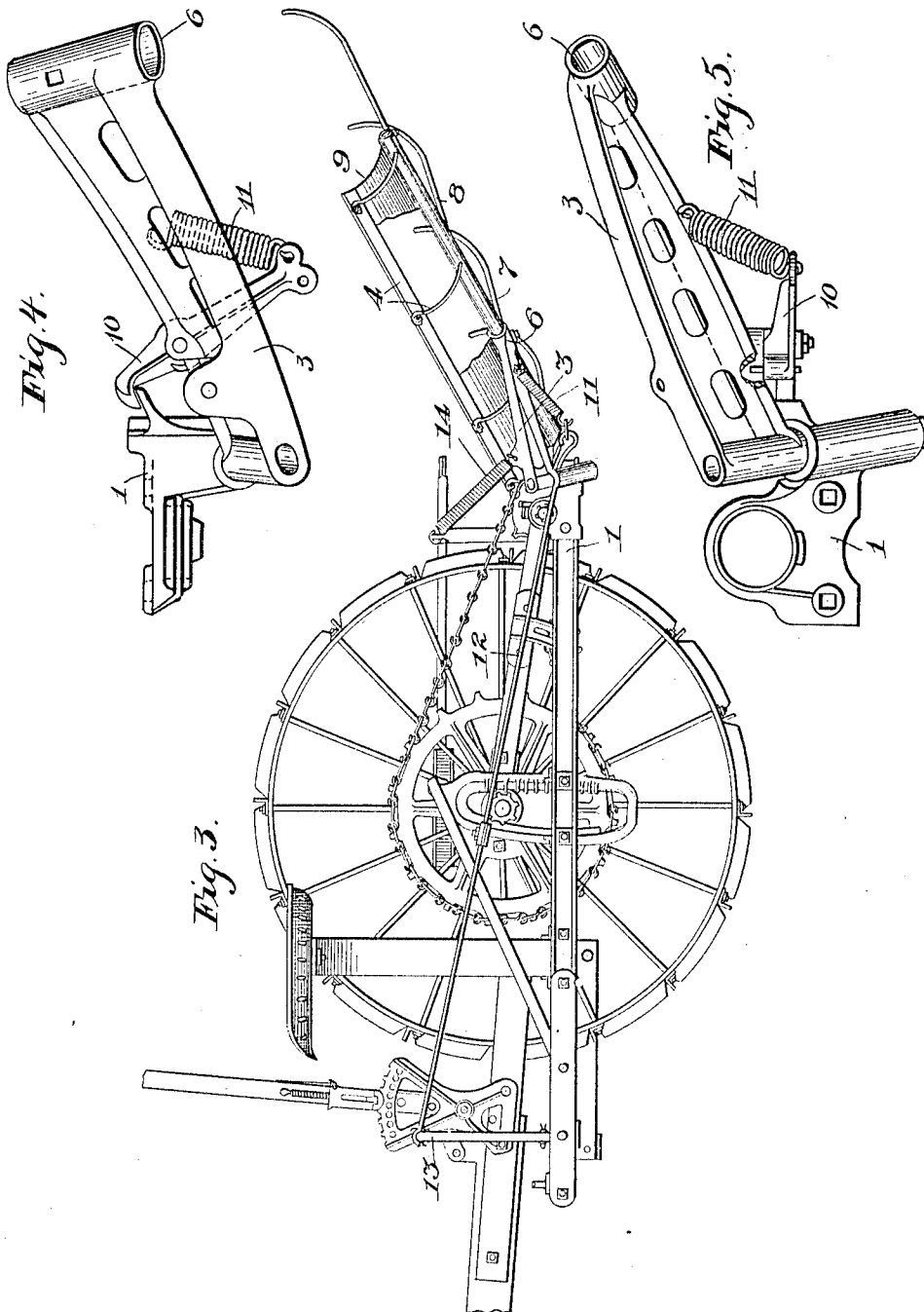
C. S. SHARP.
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Patented Feb. 15, 1910.

3 SHEETS—SHEET 3.

949,334.



Witnesses:
Geo. E. Hunt
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Inventor:
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Att'ys.

UNITED STATES PATENT OFFICE.

CHARLES S. SHARP, OF AUBURN, NEW YORK, ASSIGNOR, BY MESNE ASSIGNMENTS,
TO INTERNATIONAL HARVESTER COMPANY, A CORPORATION OF NEW JERSEY.

BUNDLE-CARRIER.

949,334.

Specification of Letters Patent.

Patented Feb. 15, 1910.

Application filed May 11, 1904. Serial No. 207,453.

To all whom it may concern:

Be it known that I, CHARLES S. SHARP, of Auburn, in the county of Cayuga and State of New York, have invented a certain new and useful Bundle-Carrier, of which the following is a specification.

My invention has for its object the production of a bundle-carrier, which is particularly simple in construction and durable and effective in operation, and is especially applicable for use in connection with corn-harvesters; and to this end, it consists in the combinations and constructions hereinafter set forth and claimed.

In describing this invention, like characters refer to corresponding parts in all the views.

Figures 1 and 2 are, respectively, top plan and rear elevation of portions of a corn-harvester provided with a preferable construction of my invention, the bundle-carrier being shown in Fig. 1 in its normal position, and in Fig. 2 in its position assumed when discharging the bundle, and parts illustrated in Fig. 2, being either omitted or indicated by dotted lines in Fig. 1. Fig. 3 is an elevation of a portion of the machine illustrated in Fig. 2, the bundle-carrier being shown in its position assumed in Fig. 1. Figs. 4 and 5 are, respectively, top plan and elevation of a portion of the bundle-carrier, a contiguous part of the main frame and the catch for holding the bundle-carrier in its normal position.

1 and 2 are, respectively, a portion of the main frame and the binder of a machine, as a corn-harvester, equipped with my bundle-carrier. These parts 1 and 2, are of any desirable form, size and construction, and it is thought unnecessary to fully illustrate or further describe the same.

My bundle-carrier as preferably constructed, comprises a support 3 and a receiver 4. The support 3 is usually pivoted at its front end to one side of the main frame 1 upon an axis extending forwardly and outwardly or stubbleward toward its upper end, and at an oblique angle to a line parallel to the bundle when supported upon the receiver before the movement thereof from position to receive the bundle, and the rear end of this support is movable laterally at opposite sides of a line, as 5, extending through said axis substantially parallel to the line of draft, and

is provided with a bearing 6 arranged at the rear of the pivot of the support and located when the carrier is in position to receive the bundle, to the grainward side of such line, or in other words between the binder and said line 5 and movable stubbleward crosswise of said line toward the ground. As here illustrated, the bearing 6 is formed tubular and is extended forwardly and downwardly toward the binder from its outer end. The receiver 4 spaced apart from the pivot of the support is generally composed of a lengthwise bar or member 7, crosswise fingers or members 8, and a lengthwise bar 9 above the bar or member 7. Said receiver when in its normal starting position, or in other words when in position to receive the bundle, is arranged at a comparatively slight oblique angle out of a horizontal plane to the line of draft or travel of the harvester and projects laterally on opposite sides of the line 5, the central portion of the receiver being thus in rear of the axis of the support 3, which is also the axis of the receiver, and is arranged between lines extending from the ends of the advance portion of the receiver when in said position to receive the bundle substantially parallel to the line of travel of the harvester, and the edge of the receiver from which the bundle is discharged being at the rear of the receiver and being preferably the rear longitudinal edge thereof. Thus the receiver occupies a prostrate position when at the starting point and maintains a prostrate position during its movement about the pivot of the support 3. The bar or member 7 is arranged in, and suitably secured to, the bearing 6, and as here illustrated, is extended forwardly and downwardly and rearwardly and upwardly relatively to the contiguous part of the support 3.

My bundle-carrier may be held in its normal position by any suitable means, here shown as a catch 10, which is pivoted intermediate of its ends to the support 3, is normally engaged at one end with the main frame 1, is held in its operative position by a spring 11 which automatically forces the catch into such position, and is connected to a rod 12, actuated by the foot-lever 13 to withdraw the catch 10 from operative position. The weight of the bundle causes the receiver to swing laterally outwardly to its

extreme position as shown in Fig. 2, where-
upon the bundle is readily discharged. Dur-
ing the lateral outward movement of the
receiver, the rear edge thereof from which
5 the bundle is discharged moves downwardly,
thus facilitating the discharge of the bundle,
but as will be obvious to those skilled in the
art, said edge moves downwardly at less
10 speed during the initial lateral outward
movement of the receiver than during a sub-
sequent part of such lateral movement, as
the end thereof. A suitable spring 14 may
be utilized to return the bundle-carrier, or
15 if desired, the same may be returned by the
operator.

It will be particularly noted, that a bundle-
carrier constructed as set forth, requires a
minimum amount of separation between the
binder and the bundle-carrier, and moves the
20 bundle a maximum distance to the side of
the machine, as seen in Fig. 2.

The construction and operation of my
bundle-carrier, will now be readily under-
stood upon reference to the foregoing de-
25 scription and the accompanying drawing,
and it will be apparent that more or less
change may be made therein, without de-
parting from the spirit of my invention.

Having thus fully described my invention,
30 what I claim as new and desire to secure by
Letters Patent, is:

1. In a harvester, a main frame, a binder,
and a bundle-carrier comprising a support
pivoted to the main frame, the axis of the
35 pivot extending upwardly and laterally and
said support having a portion movable to
opposite sides of a line extending through
the pivot substantially parallel to the line of
travel of the harvester, and a receiver for
40 the bundle carried by the support, the re-
ceiver being supported directly by the por-
tion of the support movable to opposite sides
of said line, substantially as and for the pur-
pose set forth.

45 2. In a harvester, a main frame, a binder,
and a bundle-carrier comprising a support
pivoted to the frame and having a bearing
arranged in rear of its pivot, the bearing
being located, when the carrier is in position
50 to receive the bundle, at the grainward side
of the line extending through the pivot of
the support parallel to the line of draft, and
being movable stubbleward crosswise of such
line, and a receiver for the bundle supported

in the bearing, substantially as and for the 55
purpose specified.

3. In a harvester, a main frame, a binder,
and a bundle-carrier comprising a support
pivoted to the main frame and having a
bearing arranged in rear of its pivot and
60 located, when the carrier is in position to re-
ceive the bundle, to the grainward side of a
line extending through the pivot of the sup-
port parallel to the line of draft and movable
stubbleward from its starting position cross- 65
wise of said line, the axis of said bearing ex-
tending crosswise of the direction of travel
of the harvester, and a receiver for the
bundle supported in the bearing and occupy-
ing a substantially prostrate position when 70
in its starting position and maintaining such
prostrate position during its movement, sub-
stantially as and for the purpose described.

4. In a harvester, a main frame, a binder,
and a bundle-carrier comprising a support 75
pivoted to the main frame and having a
bearing in rear of its pivot, and a receiver
for the bundle supported in the bearing, said
receiver when in position to receive the
bundle having its forward portion projecting 80
beyond opposite sides of a line extending
through the pivot of support substantially
parallel to the line of draft, substantially as
and for the purpose set forth.

5. In a harvester, a main frame, a binder, 85
and a bundle-carrier comprising a support
pivoted to the main frame and having a
bearing arranged in rear of its pivot and
located, when the carrier is in position to
receive the bundle, to the grainward side of 90
a line extending through the pivot of the
support substantially parallel to the line of
draft, and a receiver for the bundle sup-
ported in the bearing, said receiver when in
its starting position extending forwardly 95
and rearwardly from the bearing in a direc-
tion crosswise of the line of draft, substan-
tially as and for the purpose set forth.

In testimony whereof, I have hereunto
signed my name in the presence of two at- 100
testing witnesses, at Auburn, in the county
of Cayuga, in the State of New York, this
13th day of June, 1903.

CHARLES S. SHARP.

Witnesses:

W. A. DONALD,

W. C. JIRDINSON.