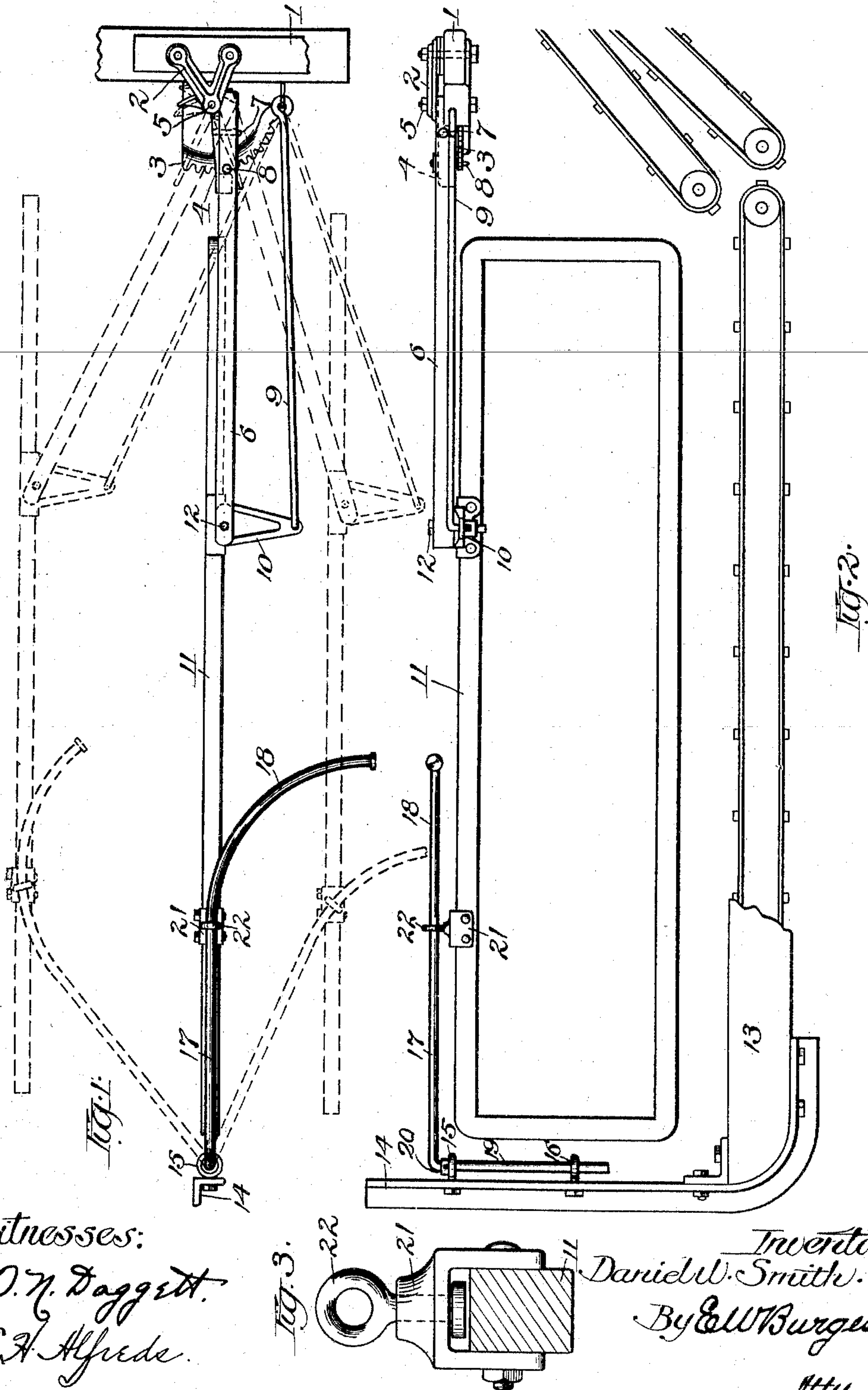


No. 766,908.

PATENTED AUG. 9, 1904.

D. W. SMITH.
WIND FLAG FOR HARVESTERS.
APPLICATION FILED MAR. 21, 1904.

NO MODEL.



Witnesses:
J. N. Daggett.
T. A. Alfred.

Inventor:
Daniel W. Smith.
By E. W. Burgess
Atty.

UNITED STATES PATENT OFFICE.

DANIEL W. SMITH, OF CHICAGO, ILLINOIS, ASSIGNOR TO INTERNATIONAL HARVESTER COMPANY, OF CHICAGO, ILLINOIS.

WIND-FLAG FOR HARVESTERS.

SPECIFICATION forming part of Letters Patent No. 766,908, dated August 9, 1904.

Application filed March 21, 1904. Serial No. 199,165. (No model.)

To all whom it may concern:

Be it known that I, DANIEL W. SMITH, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Wind-Flags for Harvesters, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof.

This invention relates to flags or wind-breaks for harvesting-machines, and particularly to those in the class commonly called "wide-cut" machines, wherein the platform and cutting mechanism have a length much greater than the ordinary, necessitating the use of a longer flag or wind-break.

The object of the invention is to provide a means for supporting the grainward end of the flag in a manner permitting a free adjustment of the same toward or from the cutting mechanism.

The general construction of the flag and the means for supporting and adjusting it relative to the harvester at its stubbleward end is fully shown in Patent No. 745,831, dated December 1, 1903, to P. Hanson; but any other means may be employed to support and adjust it at that end, the invention consisting of the means for supporting the grainward end.

The invention consists, substantially, in the construction, combination, location, and arrangement of parts, all as will be more fully hereinafter set forth, as shown in the accompanying drawings, and finally pointed out in the appended claims.

Referring to the accompanying drawings, like numerals represent like parts throughout the various views.

Figure 1 is a plan view of a flag or wind-break for harvesting-machines embodying the principles of my invention. Fig. 2 is a side view of the same. Fig. 3 is a detail view of the swivel connection forming part of the supporting mechanism.

Reference-numeral 1 designates part of the seat-plank of a harvesting-machine frame. 2 is a bracket securely bolted to said plank. 3

is a plate also bolted to the seat-plank, preferably on the under side thereof, as shown, and having a quadrant-shaped edge in which are formed openings or teeth, as shown.

4 designates a bracket or casting pivotally supported upon a bolt 5, arranged to pass through bracket 2. If desired, this bolt may also pass through and serve to secure quadrant-plate 3. The pivot-bolt 5 affords a vertical axis-pivot about which the bracket or casting 4 may swing in a horizontal plane.

6 designates the flag or wind-break supporting-bar. This bar is pivotally connected, as at 7, to the bracket or casting 4 on a horizontal axis, so that said bar may be swung vertically about said axis. Carried by the bar 6 is a pin or projection 8, arranged when said bar is in its lowered position to be received in a notch or opening of the quadrant edge of plate 3, thereby forming a lock to prevent lateral or horizontal swinging of said arm or bar and of casting or bracket 4.

Pivotally connected at its inner end to plate 3 is a rod 9. The outer end of said rod is loosely pivoted or otherwise suitably connected to an arm 10, suitably secured to the frame 11 of the flag or wind-break. A bolt 12, passing through the outer end of arm or bar 6 and connected to frame 11, affords a support for said frame and a means for pivotally connecting the supporting-arm 6.

At the outer end of the harvester-platform 13 is secured a post or standard 14, and 15 and 16 are eyebolts secured to said post and adapted to form bearings for a supporting-arm 17, having a curved horizontal portion 18 and a vertical portion 19 passing through the eyes 15 and 16, as clearly shown in Fig. 2. 20 is a collar secured to the portion 19 and operating to limit the downward movement of the same. A yoke 21 is secured to the frame 11 of the flag or wind-break, and an eye-piece 22, adapted to loosely receive the arm 17, is swiveled therein.

The invention operates in the following manner: The supporting-arm 6 may be raised vertically sufficient to release the pin or projection 8 from engagement with the plate 3,

the outer end of the wind break or flag carrying with it the supporting-arm 17, the vertical portion 19 of said arm sliding freely through the eyes 15 and 16. The arm 6 may
 5 then be swung to any desired position, the rod 9 maintaining the parallelism of the wind-break relative to the cutting apparatus and the supporting-arm 17 swinging on its pivot and the projection 8 locking the arm 6 in its
 10 adjusted position in the usual way. To prevent any possible binding of the eye 22 as it slides along the curved portion 18 of the arm 17, it is arranged to turn freely in the yoke 21.

Having now set forth the object and nature
 15 of my invention and a construction embodying the principles thereof, what I claim as new and useful and of my own invention, and desire to secure by Letters Patent, is—

1. In a harvester, the combination of the
 20 frame, a wind flag or break supported at one end by a swinging arm having pivotal connection with the frame and flag, and its opposite end supported by a swinging arm having pivotal connection with the frame and a
 25 sliding connection with the flag.

2. In a harvester, the combination of the frame, a wind-flag supported at one end by a swinging arm having pivotal connection with the frame and flag, and its opposite end by a
 30 swinging arm having pivotal connection with the frame and pivotal and slidable connection with the flag.

3. In a harvester, the combination of the frame, a wind-flag supported at one end by a
 35 swinging arm vertically and horizontally pivoted to the frame, its opposite end supported

by a swinging arm having pivotal and sliding connection with the frame.

4. In a harvester, the combination of the frame, a wind-flag supported at one end by a
 40 swinging arm vertically and horizontally pivoted to the frame, its opposite end supported by a horizontally-swinging and vertically-movable arm connected with said frame.

5. In a harvester, the combination of the
 45 frame, a wind-flag supported at one end by a swinging arm connected with said frame, its opposite end supported by an arm comprising a vertical portion journaled on the frame and a horizontal portion having a sliding con-
 50 nection with the flag.

6. In a harvester, the combination of the frame, a wind-flag supported at one end by a swinging arm connected with said frame, its
 55 opposite end supported by an arm comprising a vertical portion journaled on the frame and a horizontal curved portion slidably connected with the flag.

7. In a harvester, the combination of the frame, a wind-flag supported at one end by a
 60 swinging arm connected with said frame, its opposite end supported by an arm comprising a vertical portion journaled on the frame and a horizontal curved portion pivotally and
 65 slidably connected with the flag.

In witness whereof I hereto affix my signature in presence of two witnesses.

DANIEL W. SMITH.

Witnesses:

GEORGE W. HENDERSON,
 CHAS. N. CHAMBERS.