

J. W. KENNEDY.
CARRIER FOR THRESHER FEEDERS.
APPLICATION FILED JUNE 29, 1908.

938,871.

Patented Nov. 2, 1909.

2 SHEETS—SHEET 1.

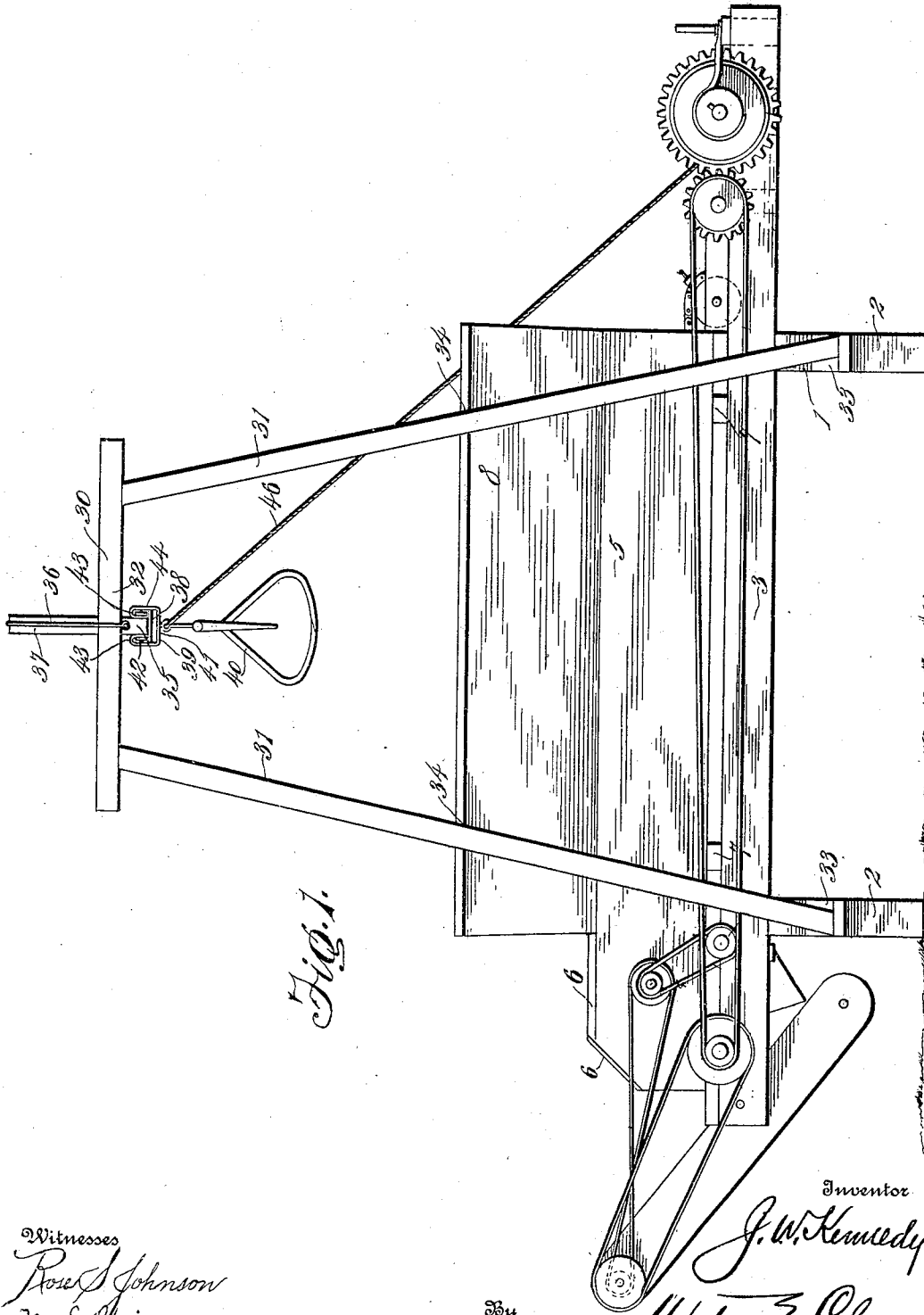


Fig. 1.

Witnesses
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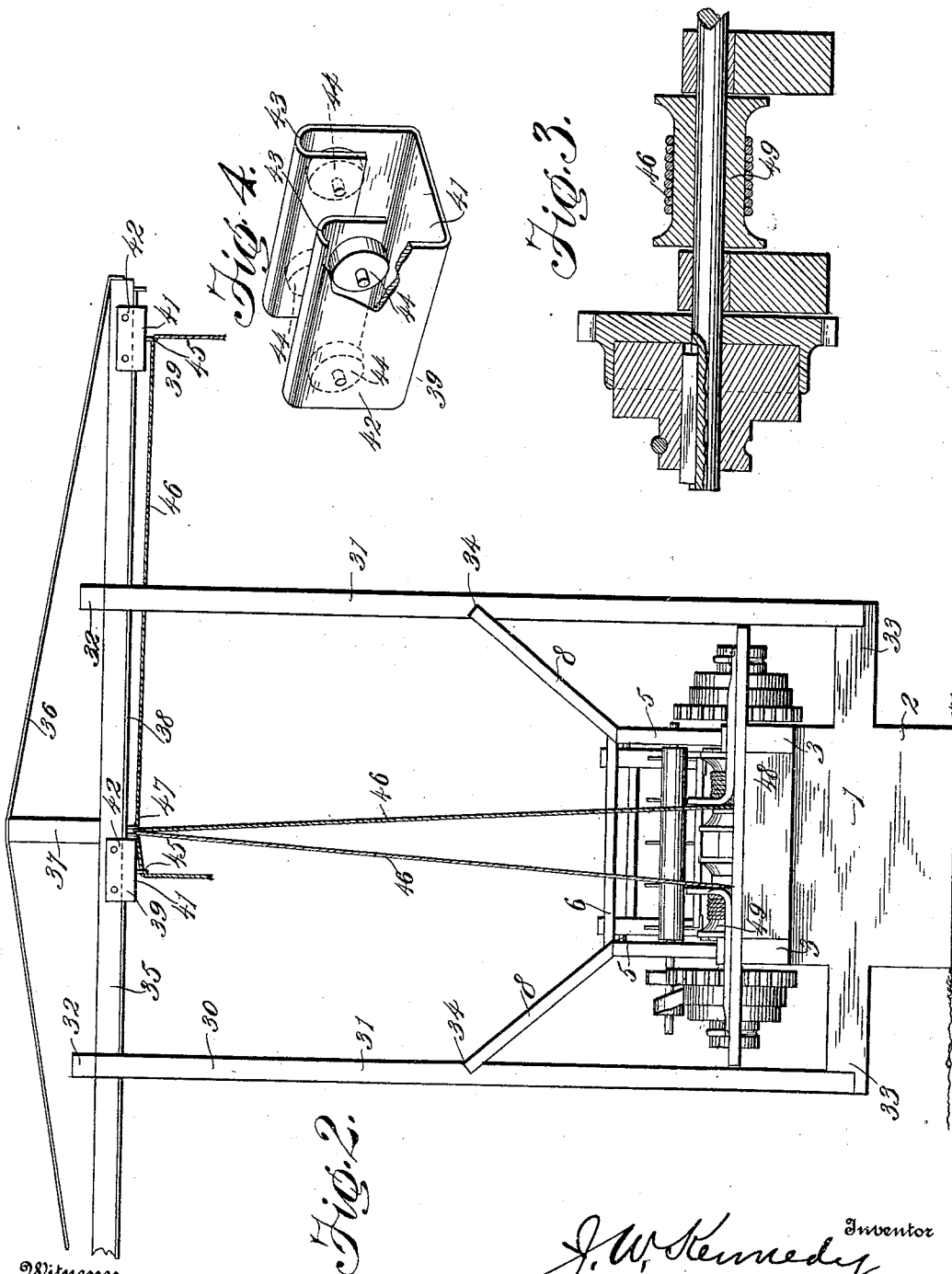
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UNITED STATES PATENT OFFICE.

JOHN W. KENNEDY, OF LEWIS, KANSAS.

CARRIER FOR THRESHER-FEEDERS.

938,871.

Specification of Letters Patent.

Patented Nov. 2, 1909.

Application filed June 29, 1908. Serial No. 440,942.

To all whom it may concern:

Be it known that I, JOHN W. KENNEDY, a citizen of the United States, residing at Lewis, in the county of Edwards and State of Kansas, have invented certain new and useful Improvements in Carriers for Thresher-Feeders, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to improvements in carriers for the grain feeders of threshing machines and the like, and it consists of the novel features of construction and the combination and arrangement of parts herein-after fully described and claimed.

The object of the invention is to improve and simplify the construction of devices of this character and thereby render the same more durable and effective and less expensive.

The above and other objects of the invention are attained in its preferred embodiment illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of the improved carrier for thresher feeders; Fig. 2 is an end elevation; Fig. 3 is a detail section through the clutch of one of the winding drums; and Fig. 4 is a detail view of the carriage of one of the grain carriers or forks.

In the drawings 1 denotes the main frame or support of the feeder which may be mounted on wheels or upon sleigh runners to permit it to be easily transported but which as shown consists of two transverse sills 2 united by longitudinal side beams 3. This frame supports a longitudinal body or box having two upright sides 5 and top boards 6, the latter being arranged at one of its ends. The box is secured to cross bars 7 on the side beams 3 and at its open top is formed a hopper which consists of two downwardly and inwardly inclined and longitudinally extending boards 8 secured to the upper edges of the sides 5.

30 denotes a derrick consisting of four uprights 31, two of which are arranged on each side of the machine in an inwardly inclined position and have their upper ends united by connecting bars 32. The lower ends of the uprights 31 are fixed to the outer ends of outwardly projecting arms 33 upon the sills or standards 2, and the intermediate portions of said uprights are set in and secured to the upper edges of the hopper boards 8,

as shown at 34. This construction provides a strong and rigid frame and effectively unites the hopper, the body, the main frame and the derrick frame. The connecting longitudinal beams 32 are united by a centrally disposed, transversely extending track beam 35, the ends of which latter extend outwardly some distance beyond the sides of the machine and are strengthened by a truss rod 36 secured to said ends and to the top of an upright 37 arranged at the center of the track beam.

Secured to the bottom face of the track beam is a broad metal strip 38 which forms the track proper for carriages 39, carrying hay forks 40. Two of the carriages 39 are preferably provided and they are adapted to travel from the outer ends to the center of the track, each of them being in the form of a metal plate bent to provide a bottom 41, upright sides 42 and overhanging top portions 43 between which latter and said sides are journaled anti-friction rollers 44 adapted to travel upon the projecting edges or flanges of the track plates or strips 38, as clearly shown in the drawings. Upon the bottom of each carriage is a guide eye 45 for a cable 46 to the free end of which one of the forks or carriers 40 is secured. These carriers or forks may be of any desired form and construction and are adapted to be manually loaded with grain from a stack, a loaded wagon or the like at one side of the machine. The carriages are moved outwardly on the track and the forks are lowered or returned to a loading position by means of suitable trip ropes (not illustrated). Each of the cables 46 passes through a suitable guide 47 arranged centrally upon the track and has its other end connected to one of two winding drums 48, 49 suitably journaled in bearings carried by the side beams 3. Said winding drums may be of any form and construction and operated and controlled by any suitable means.

From the foregoing description taken in connection with the drawings, it is thought that the construction, operation and advantages of the invention will be readily understood without a further explanation.

Having thus described the invention what is claimed is:

1. The combination of a main frame having transverse sills united by longitudinal side beams, arms projecting outwardly from said sills, a bottom upon the main frame, up-

wardly and outwardly inclined hopper
boards projecting from the upper side edges
of the body, uprights rising from the arms
on said sills and united to said hopper
5 boards, connecting beams between the up-
rights on each side of the machine, a trans-
verse track beam uniting said connecting
beams, and a carriage to travel back and
forth upon said track beam.
10 2. The combination of a main frame hav-
ing transverse sills united by longitudinal
side beams, arms projecting outwardly from
said sills, a bottom upon the main frame,
upwardly and outwardly inclined hopper
15 boards projecting from the upper side edges
of the body, uprights rising from the arms
on said sills and united to said hopper

boards, connecting beams between the up-
rights on each side of the machine, a trans-
verse track beam uniting said connecting 20
beams, carriages to travel back and forth
upon said track beam, guides upon said car-
riages, stationary guides upon the center of
said track beam, cables engaged with said
guides, load engaging means upon the outer 25
ends of the cables, and winding drums
mounted upon the main frame for control-
ling the inner ends of said cables.

In testimony whereof I hereunto affix my
signature in the presence of two witnesses. 30

JOHN W. KENNEDY.

Witnesses:

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