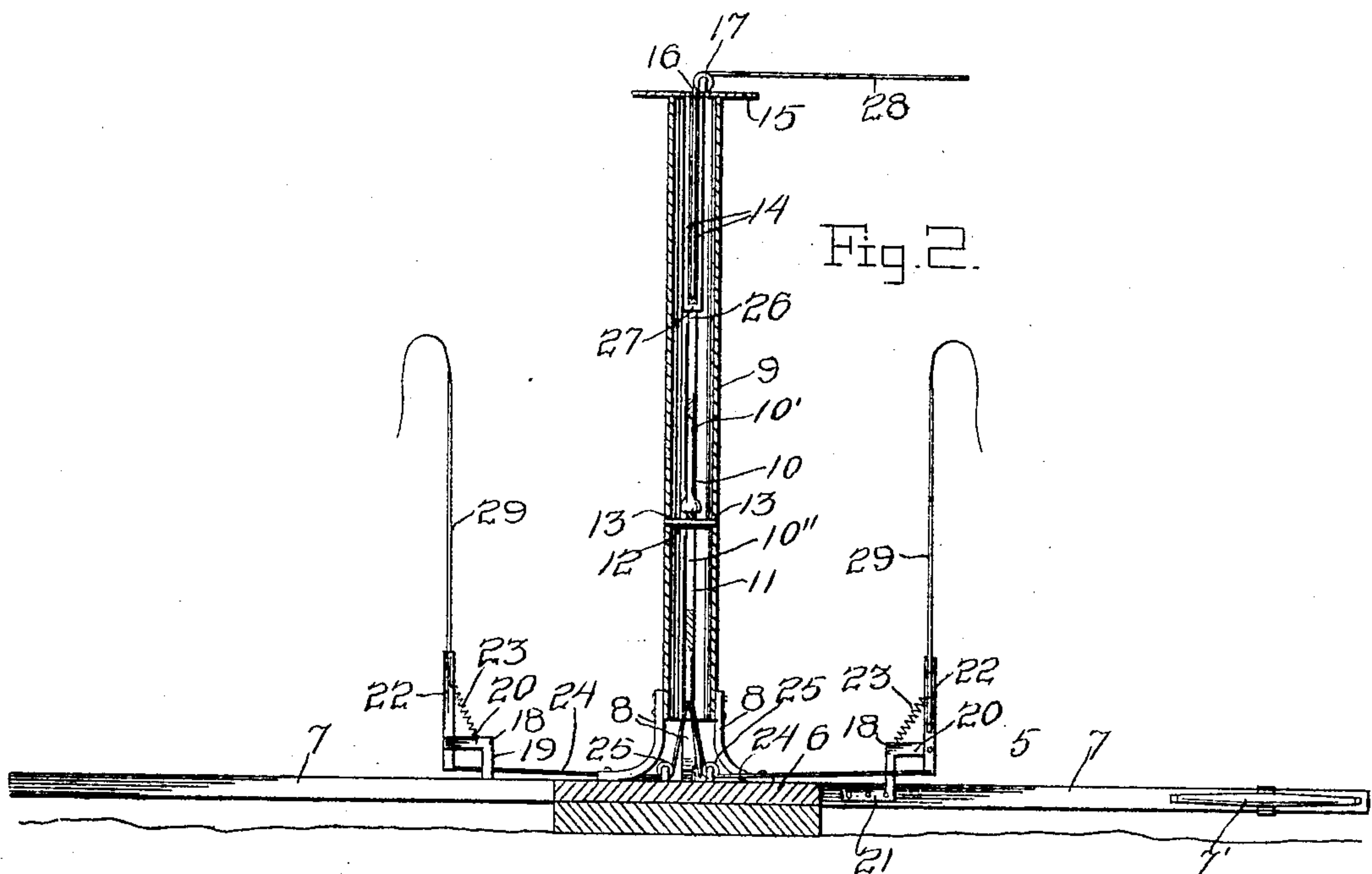
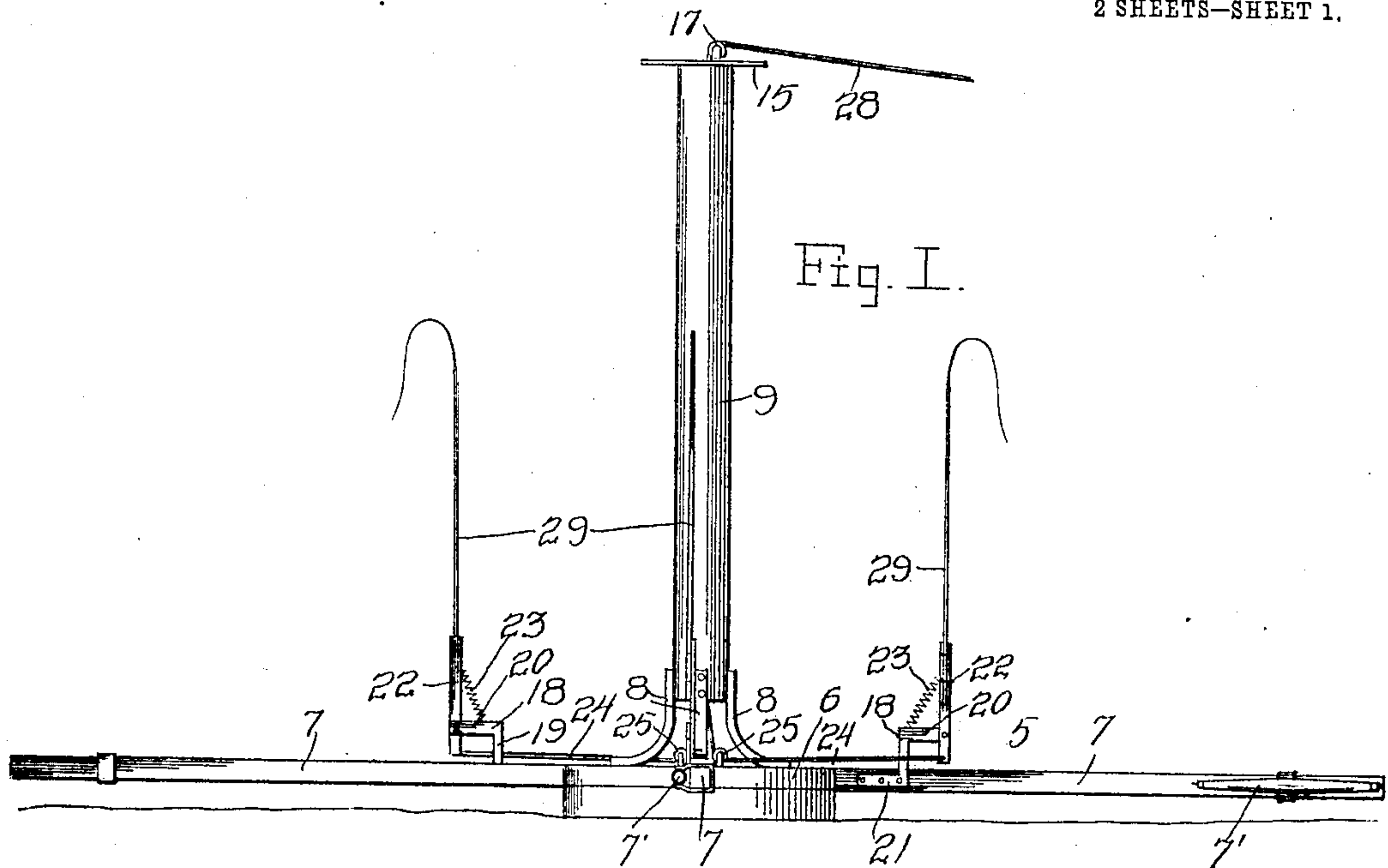


No. 805,476.

PATENTED NOV. 28, 1905.

T. J. LEIGH.
WHIP ATTACHMENT FOR HORSE POWERS.
APPLICATION FILED OCT. 28, 1904.

2 SHEETS—SHEET 1.



Witnesses
B. K. Reichenbach.
H. M. Baldwin

Inventor
T. J. Leigh
Charles F. Chandler
Attorney

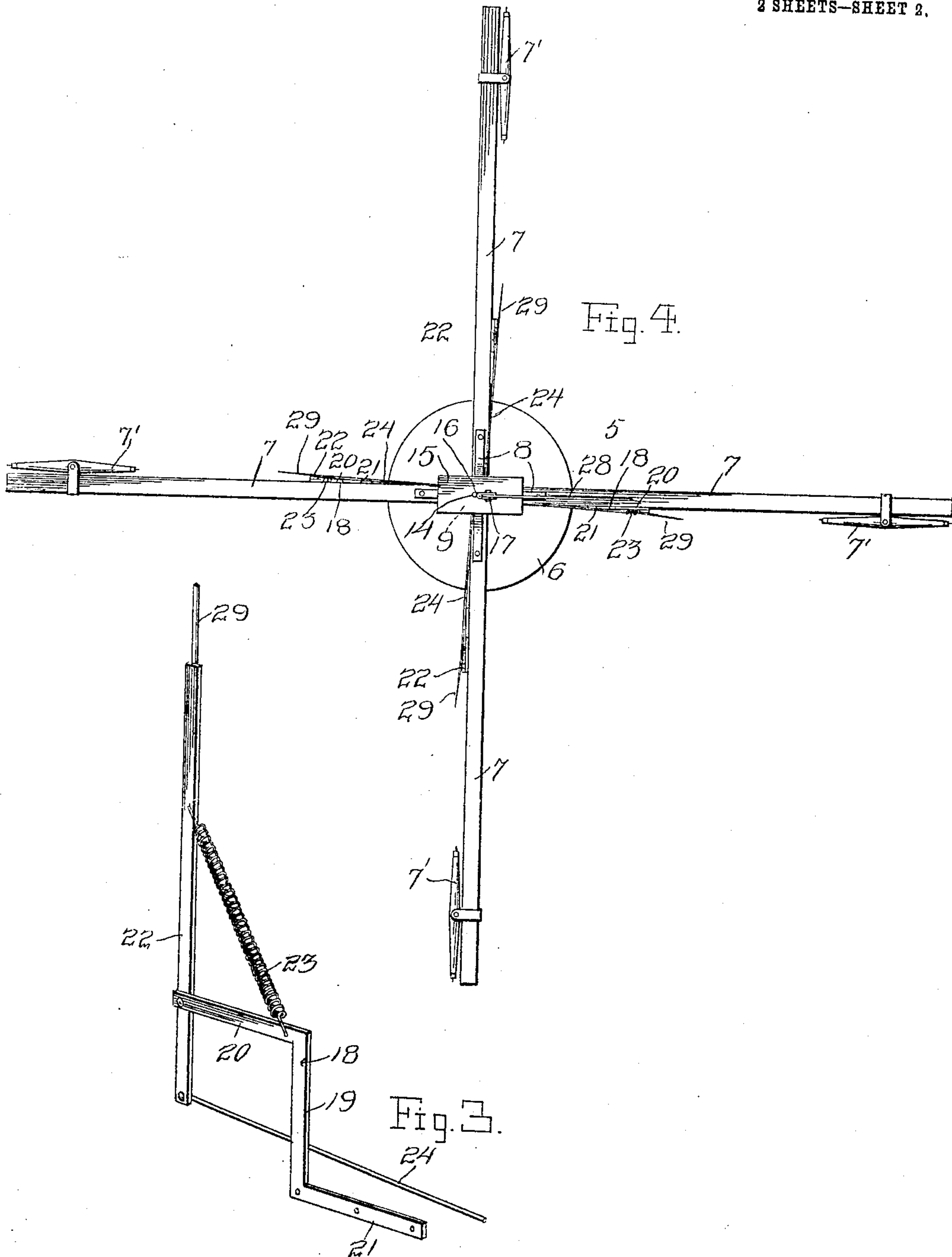
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Witnesses
C. K. Reichenbach.
H. H. Baldwin

Inventor
T. J. Leigh.
734 Charles Chandler
Attorney

UNITED STATES PATENT OFFICE.

THOMAS J. LEIGH, OF LORAIN, ILLINOIS.

WHIP ATTACHMENT FOR HORSE-POWERS.

No. 805,476.

Specification of Letters Patent.

Patented Nov. 28, 1905.

Application filed October 28, 1904. Serial No. 230,339.

To all whom it may concern:

Be it known that I, THOMAS J. LEIGH, a citizen of the United States, residing at Loraine, in the county of Adams, State of Illinois, have
5 invented certain new and useful Improvements in Whip Attachments for Horse-Powers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled
10 in the art to which it appertains to make and use the same.

This invention relates to horse-powers, and more particularly to attachments therefor, and has for its object to provide a whip attachment which may be fitted to different horse-powers interchangeably and which will include whips that may be operated to strike horses attached to the horse-power, the arrangement being such that the whip may be
15 operated from a point distant from the horse-power.

Other objects and advantages will be apparent from the following description, and it will be understood that changes in the specific construction shown and described may be made and that any suitable materials may be used without departing from the spirit of the invention.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 is an elevation of a horse-power having the present invention applied thereto. Fig. 2 is the longitudinal section
20 through the hollow upright. Fig. 3 is a detailed view of the whip-supporting bracket. Fig. 4 is a top plan view of Fig. 1.

Referring now to the drawings, there is shown a horse-power 5, including the usual
40 central platform 6 and radiating arms 7. Secured at their lower ends to the platform 6 and extending upwardly therefrom are a plurality of brackets 8, which are arranged in a circle, and secured to the upper ends of these
45 brackets is a hollow upright 9, formed, preferably, of a piece of gas-pipe of a suitable size. Disposed within the upright there is a rod 10, including an upper section 10' and a lower section 10'', the two sections being
50 revolvably connected at their meeting ends. The lower section 10'' is provided with a longitudinal slot 11, in which there is loosely engaged a pin 12, the ends of which are secured in perforations 13 in the sides of the upright.
55 The rod 10 terminates short of the upper end of the upright, and extending upwardly from

the upper end of the rod are a pair of supporting-rods 14, to the upper ends of which there is secured a plate 15, having a passage 16 therethrough, and secured to the upper
60 face of the plate adjacent to the passage there is a pulley 17, the plate 15 lying above the upper end of the upright, as shown.

Secured to the radiating arms 7 adjacent to the whiffletrees 7' thereof are angular brackets 18, having central vertical portions 19,
65 from the upper and lower ends of which there extend oppositely-directed horizontal portions 20 and 21, respectively, and it is by the portions 21 that the brackets are secured to the
70 arms. The horizontal portions 20 extend in the direction of the horses and to their free ends there are pivoted whip-carrying members 22, which extend vertically, and connecting the upper ends of these members with the
75 horizontal portions 20 of the brackets are helical springs 23, the action of which is to hold the upper ends of the members 22 inclined toward the vertical portions 19 of the brackets. Attached to the lower ends of the
80 members 22 are cords 24, which are engaged with pulleys 25, mounted upon the platform 6, and are secured at their remaining ends to the lower end of the rod 10, the arrangement being such that strain upon these cords
85 moves the members 22 against the action of the springs 23.

The connection of the rods 14 with the rod 10 is such that vertical movement of the rod 10 with respect to the rods 14 is permitted.
90 This is accomplished in the manner shown. The section 10' of the rod 10 is provided with a longitudinal slot 26, in which are slidably engaged the lower angular end portions 27 of the rods 14, these rods being bent to form the
95 angular portions, as will be readily understood. Secured at one end of the upper end of the rod 10 is a cord 28, which passes through the passage 16, and is engaged over the pulley 17, and this cord is secured at its remain-
100 ing end to any convenient object within reach of the operator of the machine, which receives its power from the horse-power. It will thus be apparent that if the cord 28 is pulled the rod 10 will be moved vertically,
105 and through the medium of the cords 24 the members 22 will be moved against the action of the springs 23, and whips 29, carried by the members 22 and projecting from the upper ends thereof, will be caused to strike the
110 horses.

An attachment is thus provided by means

of which the horses may be driven by the person operating the machine, as mentioned above.

What is claimed is—

5 1. The combination with a horse-power including a central platform and radial arms for attachment of horses thereto, of whips pivotally connected with the arms for movement into and out of position to strike horses at-
10 tached to the arms, means for holding the whips yieldably out of such position, a hollow upright mounted upon the platform, a rod disposed in the upright and arranged for vertical movement, said rod including upper and
15 lower revolubly-connected sections, the lower section being connected with the upright for rotation therewith, connections between the whips and the lower section of the rod for movement of the whips against the action of
20 the holding means when the rod is moved upwardly, said upper section having a longitudinal slot therein, a plate revolubly disposed upon the upper end of the upright, depending supporting-rods secured to the plate and hav-
25 ing angular portions at their lower ends engaged in the slot, said plate having an opening formed therethrough, a pulley mounted adjacent to the opening, and a cord passed through the opening and engaged with the

pulley, said cord being connected with the up- 30
per section of the rod, for movement of the rod vertically when the cord is pulled.

2. The combination with a horse-power in-
cluding a central platform and radial arms arranged for attachment of horses thereto, of 35
brackets secured to the arms, whips pivotally connected with the brackets for movement into position to strike horses attached to the arms, means for holding the whips yieldably
40 out of such position, an upright mounted upon the platform, a rod disposed in the upright and arranged for vertical movement, said rod including two revolubly-connected sections, one of said sections being connected to the
45 upright for rotation therewith, connections between the whips and the rod for movement of the former against the action of the holding means when the latter is moved upwardly
50 and a cord connected with the upper end of the rod and extending outwardly of the upright, by means of which the rod may be raised.

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

THOMAS J. LEIGH.

Witnesses:

W. H. McCAY,
M. E. NELSON.