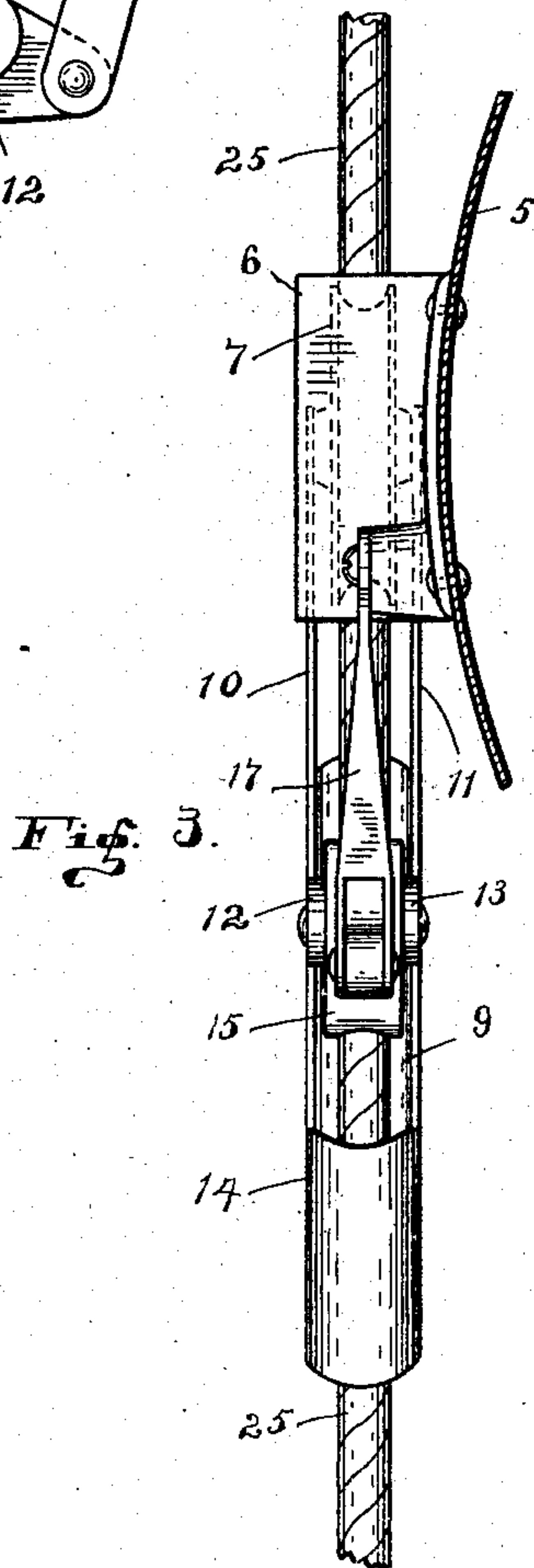
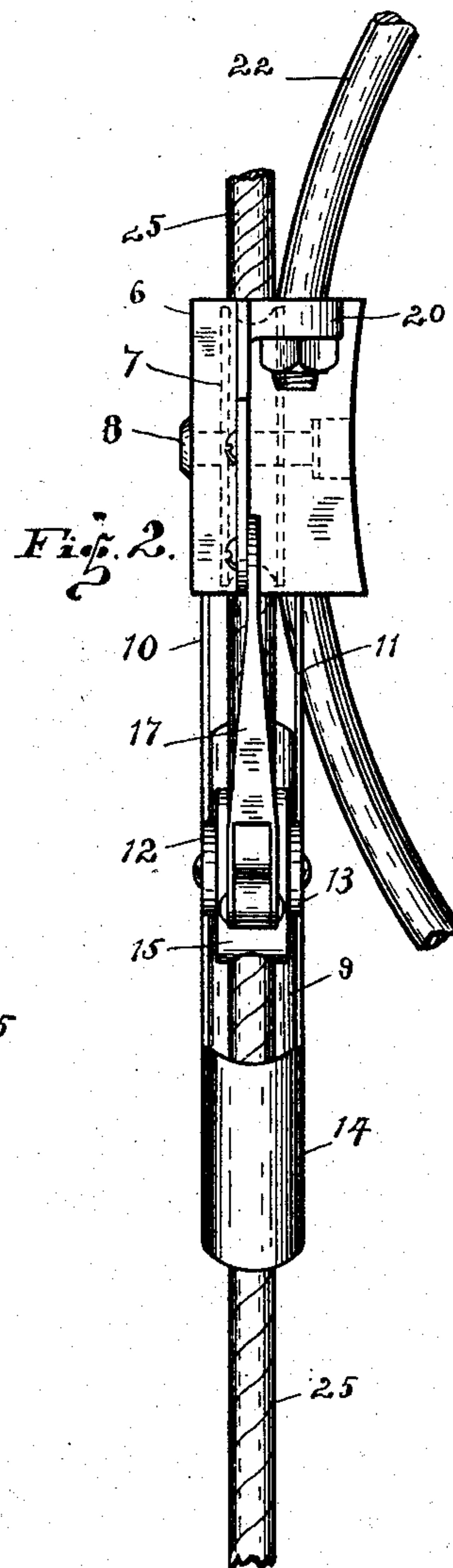


973,748.

2 SHEETS—SHEET 1.



Adelaide Kreams  
Lee R Garbet

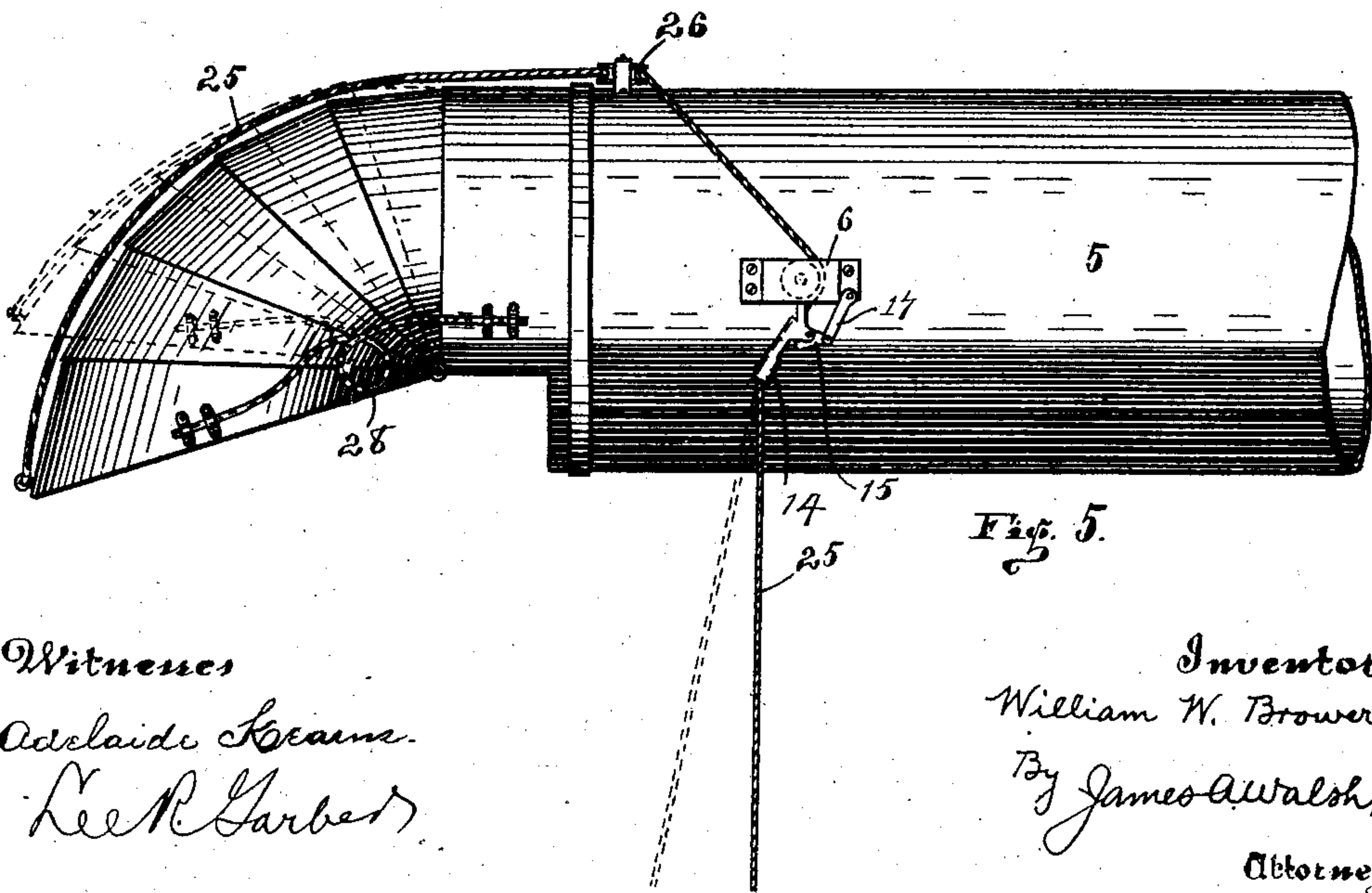
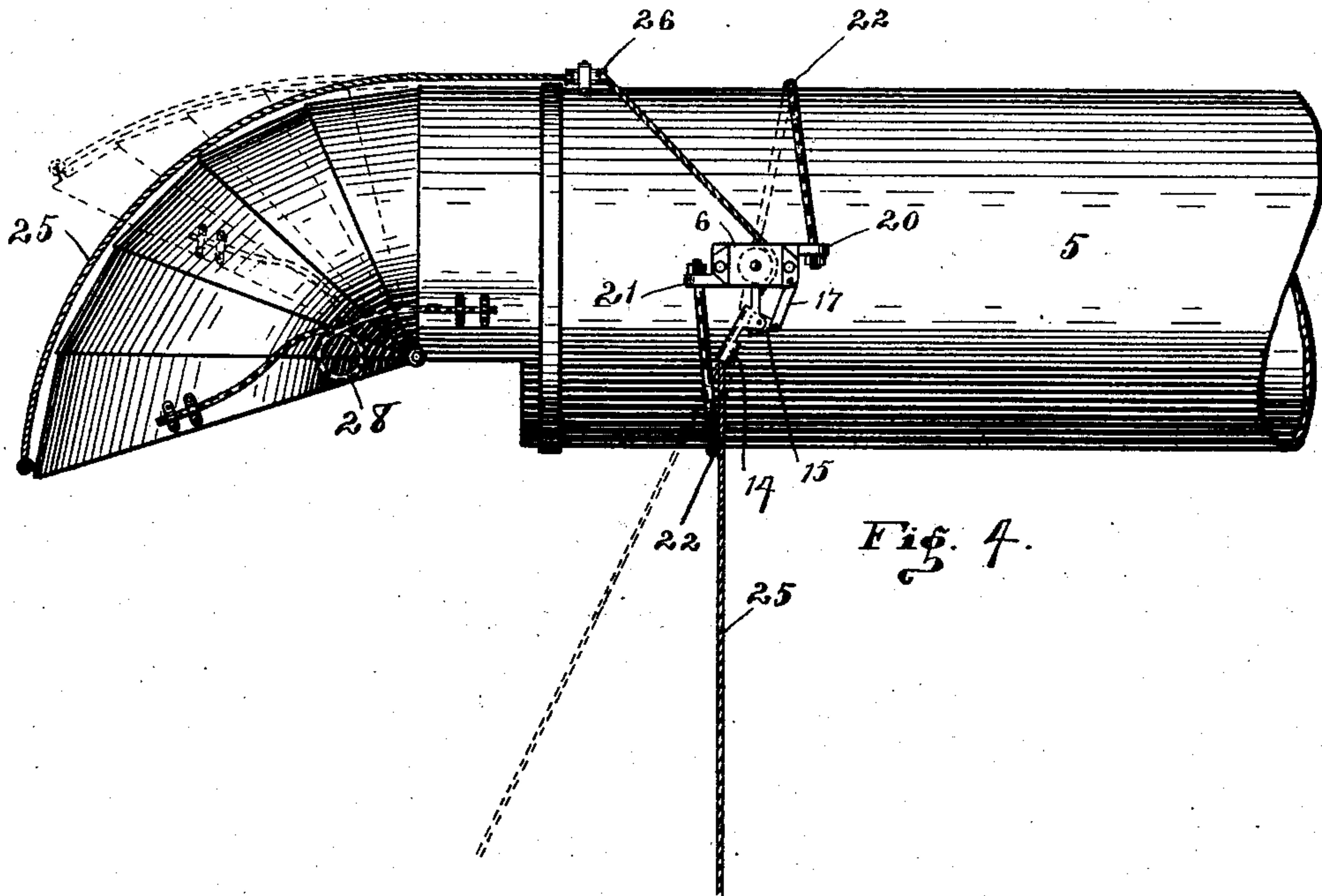
THE NORRIS PETERS CO., WASHINGTON, D. C.

W. W. BROWER.  
PNEUMATIC STACKER.  
APPLICATION FILED APR. 28, 1909.

973,748.

Patented Oct. 25, 1910.

2 SHEETS—SHEET 2.



Witnesses

Adelaide Kream.

Lee R. Garber.

Inventor

William W. Brower,

By James A. Walsh,

Attorney.



# UNITED STATES PATENT OFFICE.

WILLIAM W. BROWER, OF HARMATTAN, ALBERTA, CANADA, ASSIGNOR TO THE INDIANA MANUFACTURING COMPANY, OF INDIANAPOLIS, INDIANA, A CORPORATION OF WEST VIRGINIA.

PNEUMATIC STACKER.

973,748.

Specification of Letters Patent.

Patented Oct. 25, 1910.

Application filed April 28, 1909. Serial No. 492,686.

*To all whom it may concern:*

Be it known that I, WILLIAM W. BROWER, a citizen of the United States, residing at Harmattan, Province of Alberta, Canada, have invented certain new and useful Improvements in Pneumatic Stackers, of which the following is a specification.

In the operation of pneumatically discharging straw and similar material from threshing and like machines, it is a common practice to manipulate the adjustable hood or deflector at the outer end of the stacker chute from the threshing machine, by an operator who stands thereupon. In some instances, however, it is desirable to place a man upon the straw stack while threshing, in which event my invention is designed to be used by him; and it consists of a controller by which the hood may be directly manipulated by the man on the stack to discharge the straw as desired, as will hereinafter more fully appear.

The accompanying drawings illustrate my invention. Figure 1 is a side elevation of my improved hood controller; Figs. 2 and 3 end elevations thereof; and Figs. 4 and 5 are side elevations of a stacker chute with my invention applied thereto.

The device embodying my invention is designed to be attached to or supported alongside a stacker chute, 5, and comprises a casing, 6, in which is mounted a rope guide or sheave, 7, on the pin 8. Also upon said pin I pivotally mount a rope-holder, 9, which is bifurcated, so that its members, 10, 11, may be connected upon opposite sides of said sheave 7. Said rope-holder is provided with shoulders, 12, 13, and terminates in tubular form, as 14, and between said shoulders I pivotally mount a rope clamp, 15, which is provided with serrations, 16, at its rope-contacting end, the outer end of said clamp 16 and casing 6 being also pivotally connected by a link, 17.

As will be readily understood, this device may be permanently affixed to the stacker chute by riveting the same thereto, as shown in Figs. 3 and 5; but where designed to be readily applied to a stacker already in the field I prefer to provide the casing 6 with lugs, 20, 21, to the former of which I bolt a rod, 22, and pass the same over and around under said chute and bolt its opposite end to lug 21, by which means the device is securely

bound to said chute, but it will be understood, of course, that any suitable means for the purpose may be employed. I attach a rope, 25, to the hood sections, and run the same back thereover and around a guide or sheave, as 26, on the upper side of the chute, and thence through casing 6 and over sheave 7 downwardly past clamping member 15, and through the tubular portion 14 of the device.

In operation, when the stack man desires to adjust the hood upwardly, rope 25 is drawn outwardly, as indicated by dotted lines (Figs. 4 and 5), which operation releases the rope from contact with clamp 15 and said rope is then free to move, and the hood sections can then be readily telescoped by pulling upon said rope. The hood may be securely held in upwardly adjusted position by clamping the rope, which clamping is accomplished by reversing the pull upon said rope, or, in other words, returning it to original position as shown in full lines.

It will be understood, of course, that the hood sections are caused to automatically telescope in the reverse direction by means of a spring, as 28; and that the manipulation of the hood by the means herein described is accomplished without interfering with any other equipment which may be a part of the hood-operating mechanism.

I claim as my invention:

1. The combination, with a pneumatic stacker chute, of a collapsible hood mounted at the delivery end thereof, a rope secured to said hood for retracting the same and communicating with and depending from the delivery end of said chute in close proximity with a strawstack, means for automatically extending said hood and adjustable clamping and releasing means connected to said chute in proximity to said hood and through which said rope passes whereby said hood may be adjusted to collapsed or extended position with said rope by an operator on a strawstack.

2. The combination, with a pneumatic stacker chute, of a collapsible hood mounted at the delivery end thereof, a rope secured to said hood for retracting the same and communicating with and extending downwardly from said chute over a strawstack and operable by a man on the stack, means for automatically extending said hood and

means connected to said chute in proximity to said hood and through which said rope passes for clamping said rope when pulled in one direction to collapse said hood and  
5 for releasing said rope when pulled in a reverse direction to permit the extension of said hood.

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

WILLIAM W. BROWER.

Witnesses:

I. B. BROWER,  
F. SHACKLETON.