

(No Model.)

P. BURGLAND.  
WHIFFLETREE ATTACHMENT.

No. 603,315.

Patented May 3, 1898.

Fig. 1.

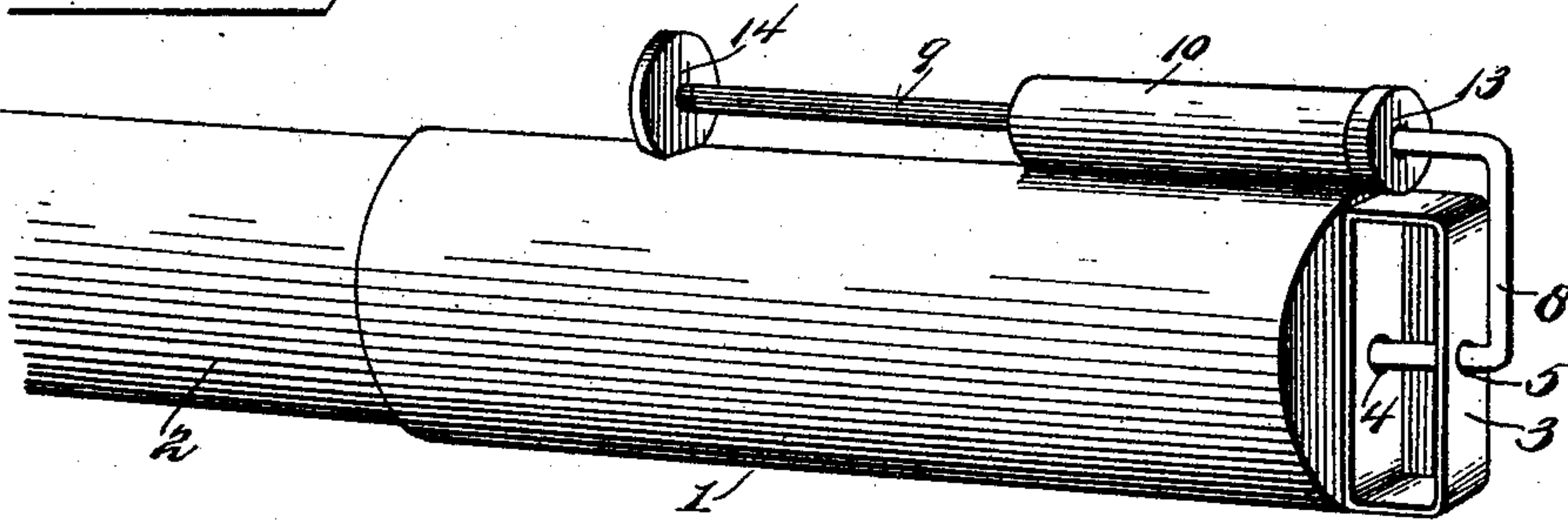


Fig. 3.

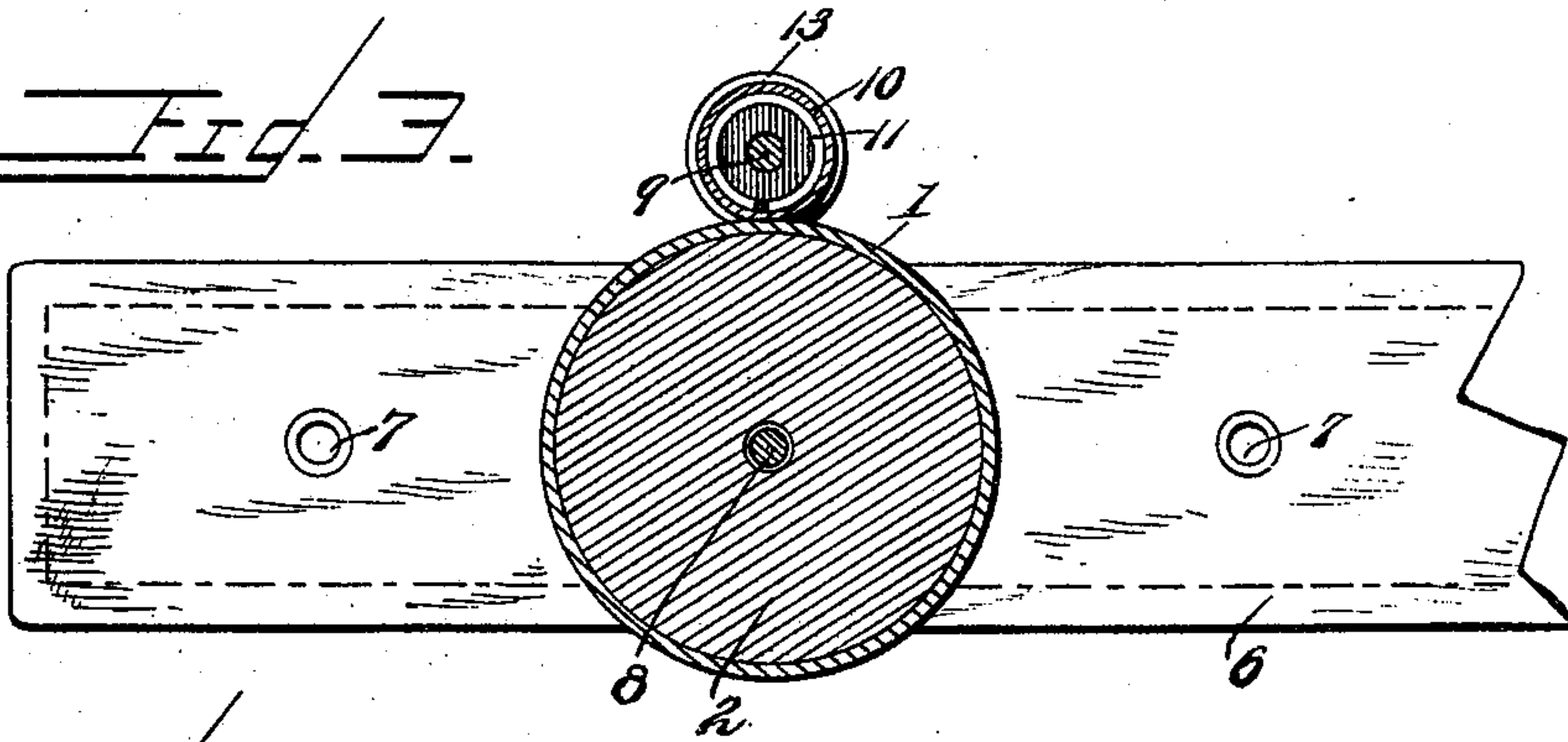
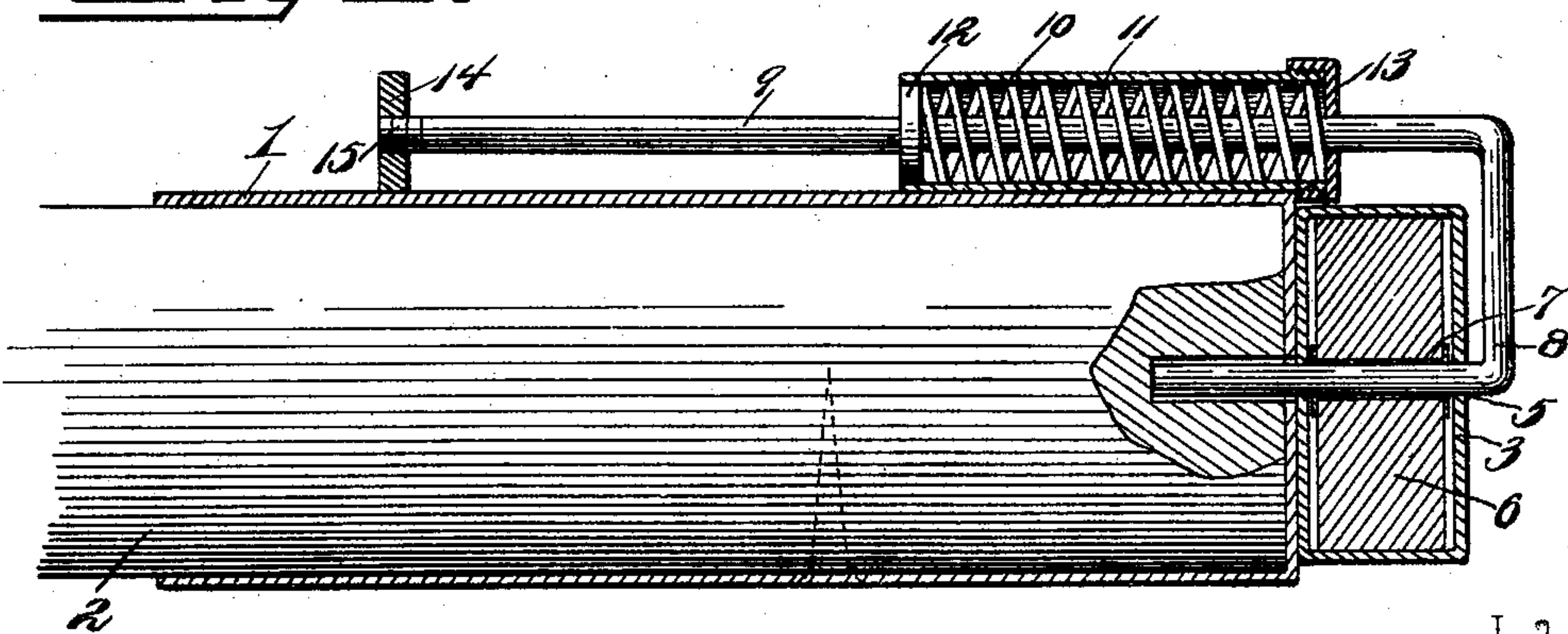


Fig. 2.



Inventor

*Peter Burgland*

Witnesses

*R. H. Shepard*  
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By *his* Attorneys,

*C. A. Snow & Co.*



# UNITED STATES PATENT OFFICE.

PETER BURGLAND, OF DODGE CITY, KANSAS, ASSIGNOR OF ONE-HALF TO  
FRED R. NEWMAN, OF SAME PLACE.

## WHIFFLETREE ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 603,315, dated May 3, 1898.

Application filed September 28, 1897. Serial No. 653,332. (No model.)

*To all whom it may concern:*

Be it known that I, PETER BURGLAND, a citizen of the United States, residing at Dodge City, in the county of Ford and State of Kansas, have invented a new and useful Whiffletree Attachment, of which the following is a specification.

The invention relates to improvements in whiffletree attachments for fastening traces to whiffletrees.

The object of the present invention is to improve the construction of devices for fastening traces to whiffletrees and to provide a strong, durable, and inexpensive device adapted to be readily applied to any whiffletree and capable of enabling a trace to be rapidly fastened and unfastened and of preventing the same from becoming accidentally detached.

The invention consists in the construction and novel combination and arrangement of parts, as hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claim hereto appended.

In the drawings, Figure 1 is a perspective view of a whiffletree attachment constructed in accordance with this invention and shown applied to a whiffletree. Fig. 2 is a sectional view taken longitudinally of the whiffletree and illustrating the manner of fastening a trace. Fig. 3 is a transverse sectional view.

Like numerals of reference designate corresponding parts in the several figures of the drawings.

1 designates a sleeve or ferrule adapted to fit on an end of a whiffletree 2 and provided at its outer end, which is closed, with a rectangular trace-receiving loop 3, provided at its inner and outer sides with registering perforations 4 and 5. The rectangular loop, which is rigid with the sleeve or ferrule 1, receives a trace 6, which is provided with perforations 7, adapted to register with the perforations of the rectangular loop and be engaged by an arm 8 of a sliding rod 9.

The sliding rod 9 is mounted upon the top of the sleeve or ferrule in a tubular housing or casing 10, which receives a spiral spring 11 for holding the rod normally in engagement with the trace and for preventing the same from becoming accidentally disconnected

from the whiffletree. The coiled spring 11, which is disposed on the rod, is interposed between the outer end of the casing or housing 10 and a stop 12 of the rod, whereby it is adapted to force the rod inward. The outer end of the tubular housing or casing 10 is provided with a threaded cap 13, which is perforated for the reception of the rod and which is adapted to be removed to enable the parts of the device to be assembled or separated. The inner end of the rod is provided with a detachable head 14, having a threaded opening and adapted to screw on the threaded end 15 of the rod. The head 14 has a straight lower edge located contiguous to the sleeve or ferrule to prevent the head from accidentally unscrewing.

The outer end of the rod or bolt 9 is bent to form the arm 8, which is substantially L-shaped, having a depending vertical portion and an inwardly-extending horizontal portion. The horizontal portion of the arm, which engages the trace and which passes through the perforations 4 and 5 of the loop, is extended inward into the whiffletree 2, as clearly illustrated in Fig. 2 of the accompanying drawings, in order to obtain a bearing against the same. The whiffletree, which is provided with a longitudinal bore or socket 2<sup>a</sup>, firmly supports the trace-engaging arm and enables the latter to withstand successfully all the strains incident to drawing a vehicle or the like. The trace, which is engaged by the arm, may be provided with metal eyes, which necessitate only a small perforation, thereby increasing the strength and durability of the trace.

The invention has the following advantages: The device is exceedingly simple and inexpensive in construction, it is adapted to be readily applied to various kinds of whiffletrees, and it is capable of securely fastening a trace to a whiffletree and of preventing the same from becoming accidentally unfastened, thereby rendering the traces perfectly safe in the event of a runaway. It is easily operated and is capable of enabling a trace to be quickly fastened to a whiffletree and rapidly detached therefrom.

Changes in the form, proportion, and minor details of construction may be resorted to

without departing from the spirit or sacrificing any of the advantages of this invention.

What I claim is—

In a device of the class described, the combination of a whiffletree provided at its end 5 with an inwardly - extending longitudinal bore, a trace-receiving loop mounted on the end of the whiffletree and provided with perforations registering with the bore, a casing 10 mounted upon the whiffletree and provided at its outer end with a removable cap and having its inner end open, a rod having its outer end extended through the loop and fitting in the bore of the whiffletree, the body 15 portion of the rod extending through the casing and passing through a perforation of the cap and having its inner end threaded, the stop 12 mounted on the body portion of the

rod and arranged within the casing at the inner end thereof, a coiled spring housed within 20 the casing and interposed between the removable cap and the stop 12, and the detachable head 14 threaded to engage the inner end of the rod, and provided with a substantially straight edge arranged contiguous to the top 25 of the whiffletree, and adapted to slide longitudinally thereof, said head being prevented from accidentally unscrewing by the whiffletree, substantially as described.

In testimony that I claim the foregoing as 30 my own I have hereto affixed my signature in the presence of two witnesses.

PETER BURGLAND.

Witnesses:

T. H. TRAYNOR,

E. E. ZURICK.