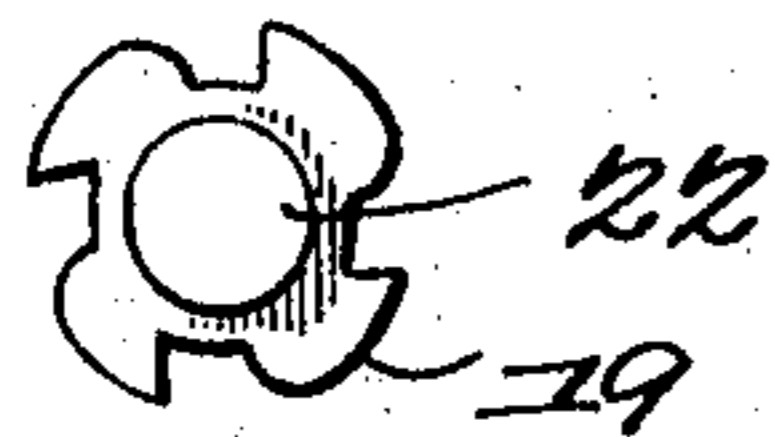
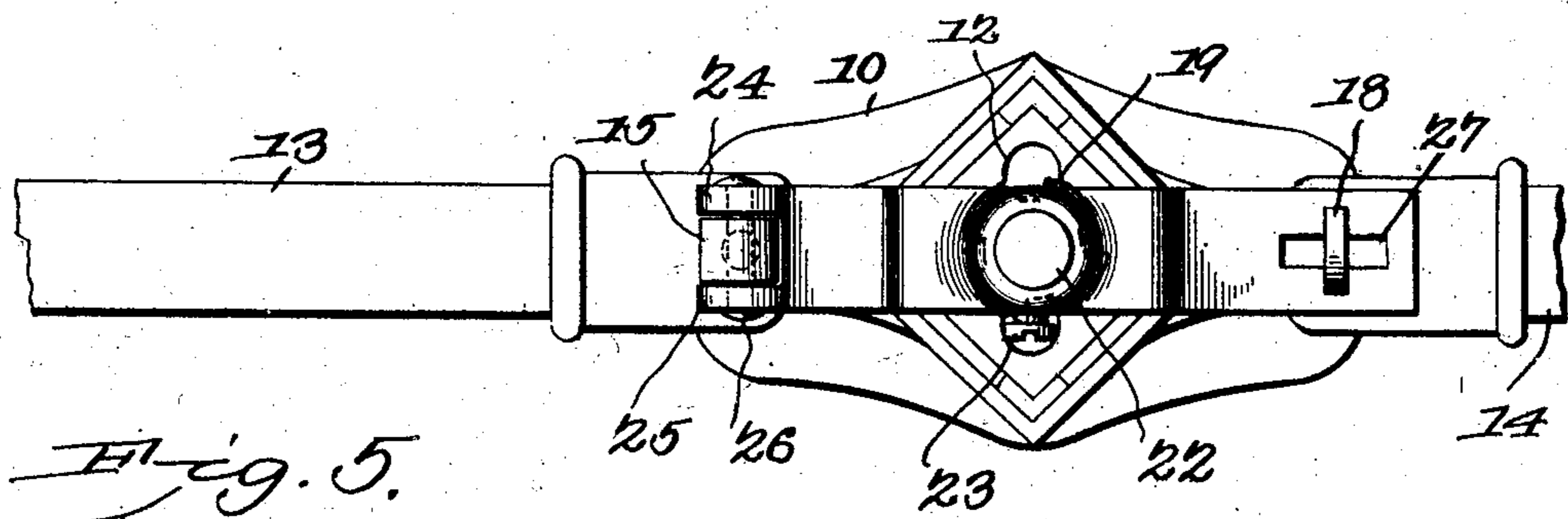
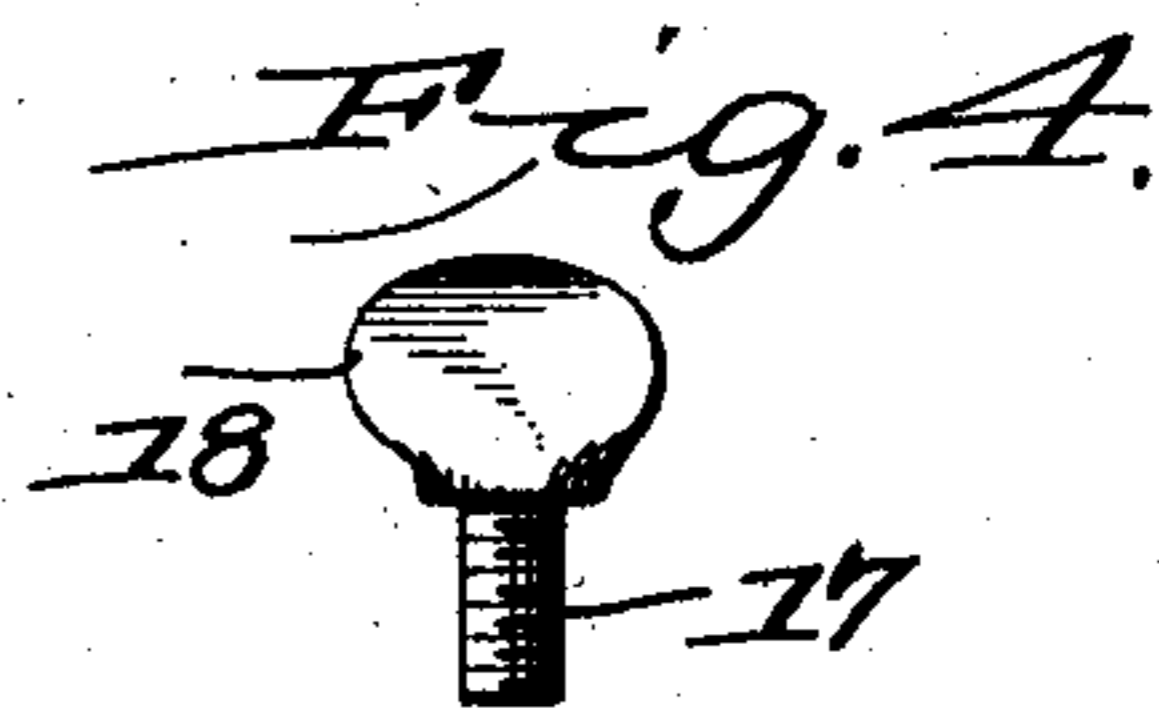
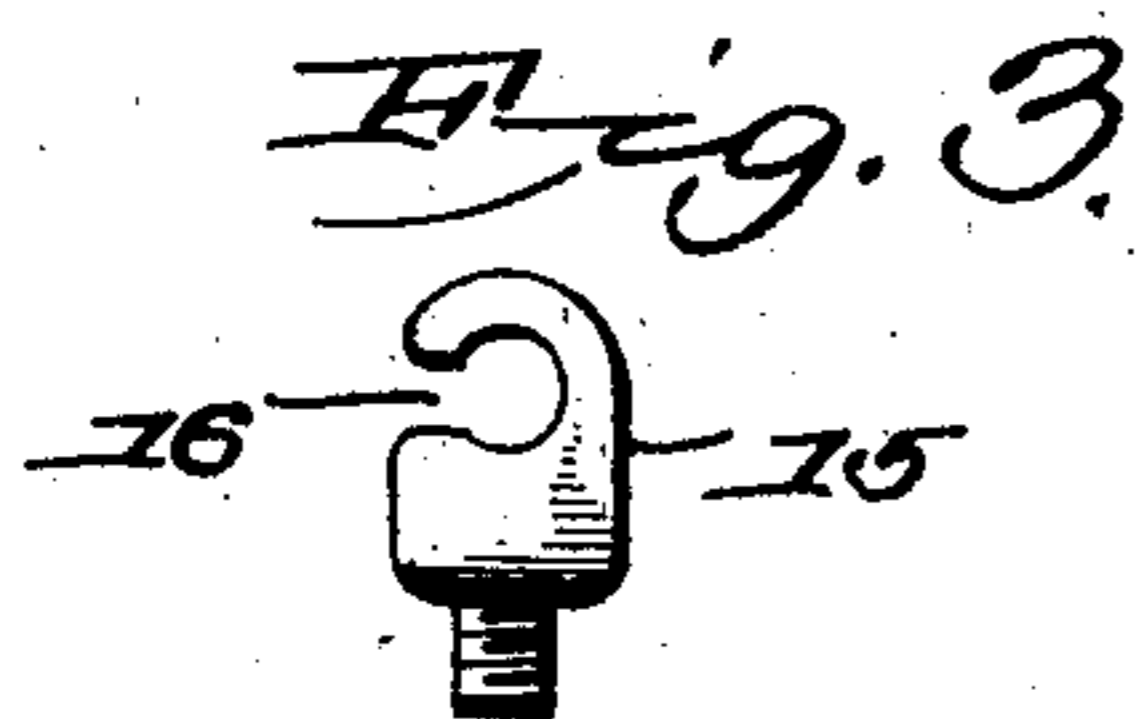
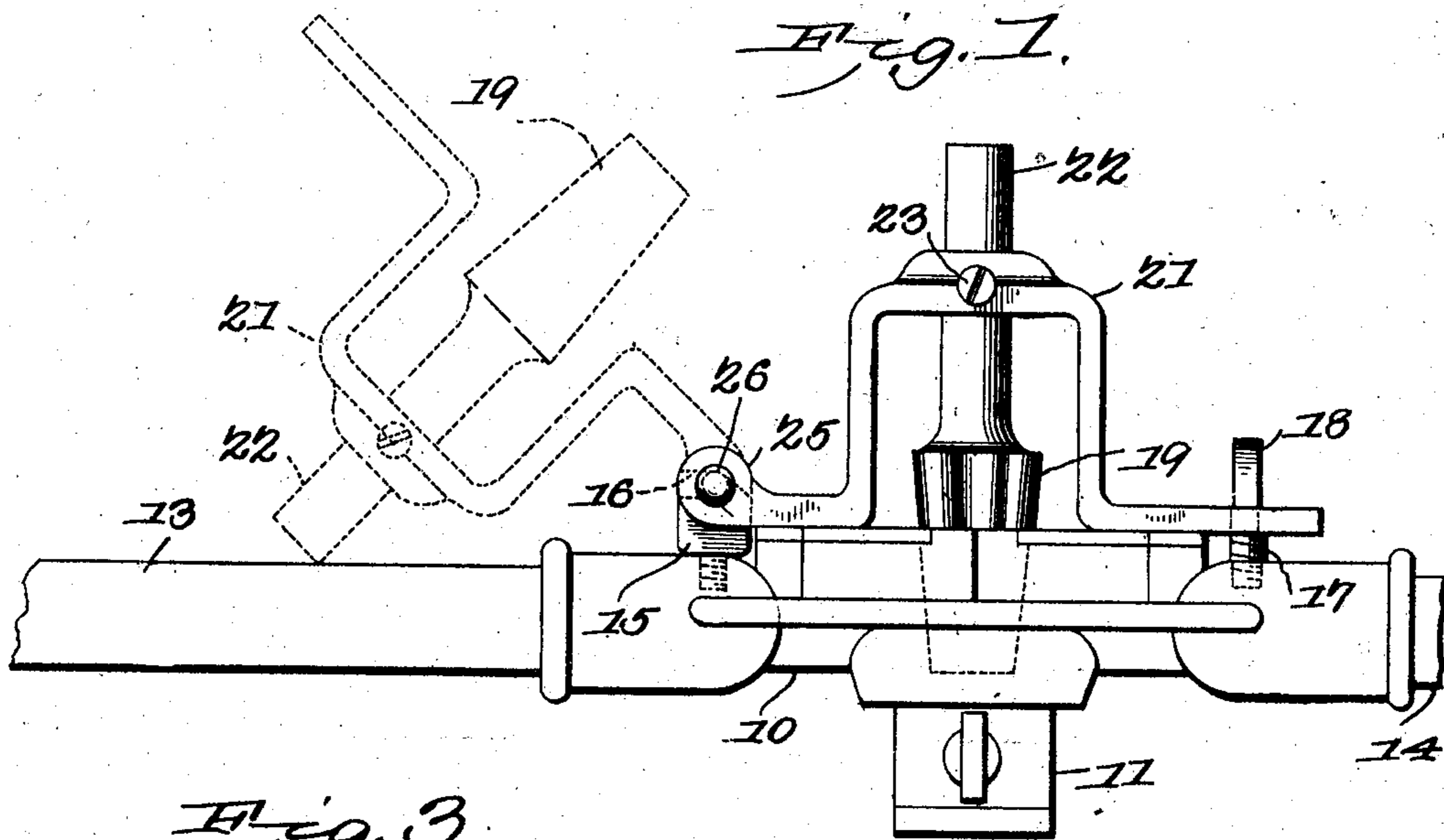


No. 791,409.

PATENTED MAY 30, 1905.

W. E. EICHHOFF.
REAMER ATTACHMENT FOR PIPE STOCKS.
APPLICATION FILED SEPT. 6, 1904.



Witnesses
E. J. Howard
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UNITED STATES PATENT OFFICE.

WALTER ELLSWORTH EICHHOFF, OF CAIRO, ILLINOIS.

REAMER ATTACHMENT FOR PIPE-STOCKS.

SPECIFICATION forming part of Letters Patent No. 791,409, dated May 30, 1905.

Application filed September 6, 1904. Serial No. 223,486.

To all whom it may concern:

Be it known that I, WALTER ELLSWORTH EICHHOFF, a citizen of the United States, residing at Cairo, in the county of Alexander and State of Illinois, have invented a new and useful Reamer Attachment for Pipe-Stocks, of which the following is a specification.

This invention relates to attachments to pipe-stocks for removing the burs from the interior of the pipes simultaneously with the cutting of the threads on the same, and has for its object to simplify and improve the construction and increase the efficiency of devices of this character.

With these and other objects in view, which will appear as the nature of the invention is better understood, the same consists in certain novel features of construction, as hereinafter fully described and claimed.

In the accompanying drawings, forming a part of this specification, and in which corresponding parts are denoted by like designating characters, is illustrated the preferred form of the embodiment of the invention capable of carrying the same into practical operation, it being understood that the invention is not necessarily limited thereto, as various changes in the shape, proportions, and general assemblage of the parts may be resorted to without departing from the principle of the invention or sacrificing any of its advantages.

In the drawings thus employed, Figure 1 is a side elevation. Fig. 2 is a plan view of a pipe-stock with the improved attachment applied. Figs. 3 and 4 are views of the holding-pins detached. Fig. 5 is a detail plan view of the reamer.

The improved device may be attached to any of the various forms of pipe-stocks manufactured, but for the purpose of illustration is shown applied to a conventional form of an implement of this class, in which 10 represents the body having a centrally-disposed pipe-receiving sleeve 11, die 12, and lateral handles 13 14.

Rising from the stock-body at one side of the die-plate is a stud 15, having an outwardly-opening transverse socket 16, and rising from the stock-body at the opposite side of the die-

plate is a screw-pin 17, having a head 18, extending laterally at two sides.

A supporting-frame for the reamer (represented at 19) is provided, arched centrally, as at 21, and through which arched portion the stock 22 of the reamer passes and is held adjustably in position, as by a set-screw 23. At one end the frame member is provided with spaced ears 24 25, connected by a transverse pin 26, the ears for passing upon either side of the socketed pin 15 and the pin 26 for entering the socket 16. At its other end the frame member is provided with a longitudinal slot 27 for passing over the head 18 of the pin 17 when the latter is set in one position and then firmly held in position when the headed pin is turned, with its head, transversely of the slot, as will be obvious. It will also be obvious that the frame member may be tightly compressed upon the stock-frame by rotating the screw-pin 17.

As well known, when pipes are cut off the inner edges of the ends are left ragged or with inwardly-projecting burs, and it is necessary to remove these burs to prevent clogging the pipes, and this work may be very quickly and satisfactorily accomplished by the implement herein described by adjusting the reamer so that it engages these burs and detaches them at the same time the threads are cut upon the pipe, as will be obvious.

Pipe-stocks are provided with various sizes of dies for the various sizes of pipes, and the reamer 19 may be readily adjusted to fit these various sizes of pipes, as will be obvious.

When the reamer attachment is not required, it can be quickly detached, leaving the pins 15 17 upon the stock, as their presence will not interfere with the ordinary uses of the stock.

Any suitable form of reamer may be employed; but generally one of the instruments of this character in common use will be employed with one side of the stock ground off to receive the bearing end of the set-screw 23.

The arched frame and holding-pins will preferably be of steel of requisite strength to withstand the strains to which they will be subjected when in use.

The device may be adapted to all the va-

rious sizes and forms of pipe-stocks manufactured and will operate very effectually for the purpose described.

When changing or adjusting the dies, the attachment will be thrown over into the position shown by dotted lines in Fig. 1, and when thus thrown over the reamer need not be displaced or removed, which is a very desirable advantage in devices of this character and results in the saving of much time and labor, as will be obvious.

Having thus described the invention, what is claimed is—

1. A reamer attachment for pipe-stocks comprising an arched frame having an opening for the reception of a reamer, the ends of the frame being extended laterally outward, each end of the frame being longitudinally slotted, a cross-bar extending across one of the slots, a post for engagement with a pipe-stock and provided with a bearing-socket opening laterally through the post for the removable reception of the cross-bar of the frame,

and a headed rotatable latch-pin for engagement with a pipe-stock, the head of the latch-pin capable of being received through the other slot of the frame and turned transversely thereacross to connect the frame to the pipe-stock.

2. The combination with a pipe-stock, of a hooked bearing at one side of the die of the stock, an arched frame straddling the die of the stock and provided with means for the support of a reamer, one end of the frame having a bearing member for detachable connection with the hooked bearing, and means to detachably connect the other end of the frame to the stock.

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

WALTER ELLSWORTH EICHHOFF.

Witnesses:

GEO. B. WRIGHT,
W. W. WATTS.