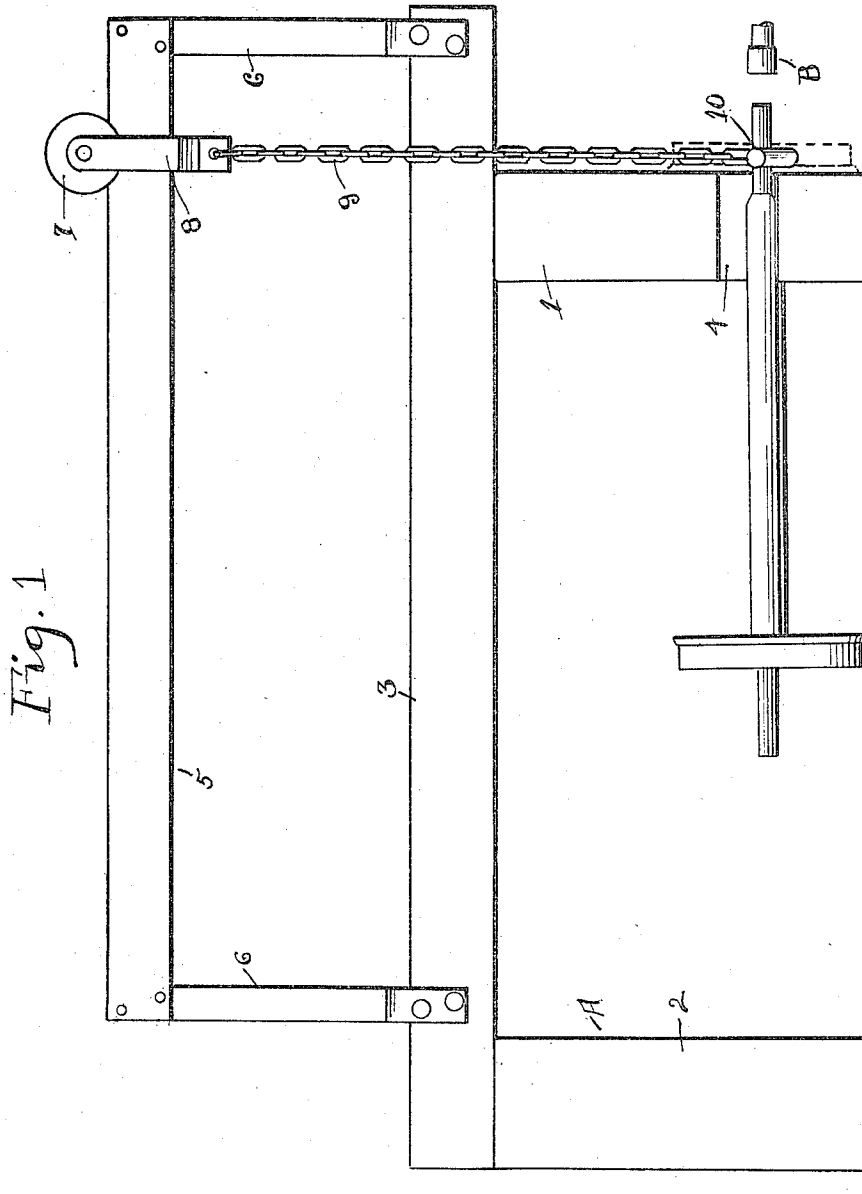


J. S. GORMAN.
ATTACHMENT FOR WHEEL PRESSES.
APPLICATION FILED MAY 15, 1917.

1,282,812.

Patented Oct. 29, 1918.
2 SHEETS—SHEET 1.



WITNESSES

Thos. B. Posner
Wm. R. Smith

INVENTOR

J. S. Gorman

BY

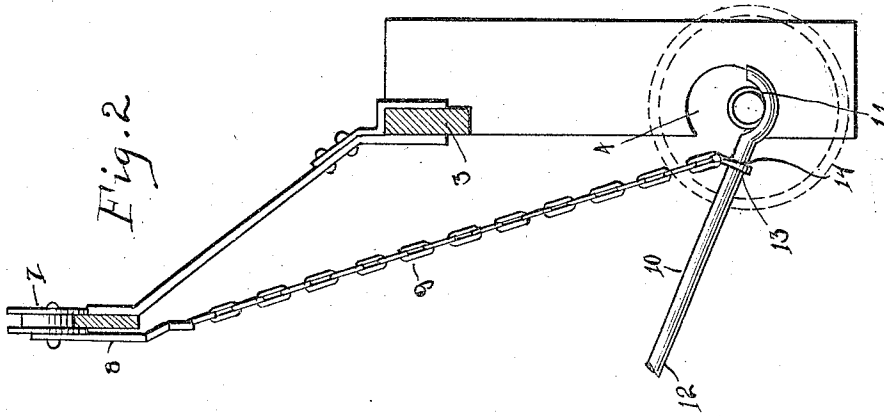
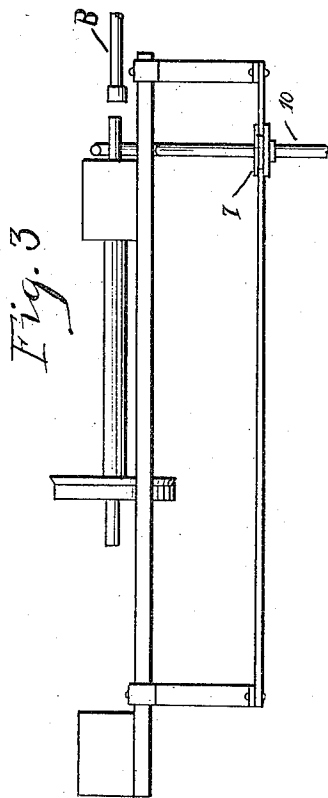
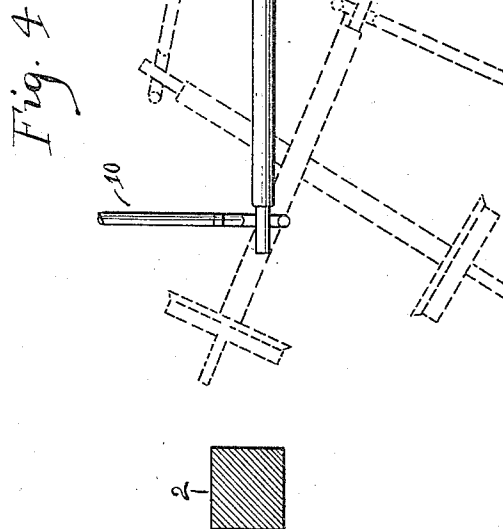
Victor J. Evans

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BY

Victor J. Evans

ATTORNEY

UNITED STATES PATENT OFFICE.

JOHN S. GORMAN, OF PITTSBURGH, PENNSYLVANIA.

ATTACHMENT FOR WHEEL-PRESSES.

1,282,812.

Specification of Letters Patent.

Patented Oct. 29, 1918.

Application filed May 15, 1917. Serial No. 168,748.

To all whom it may concern:

Be it known that I, JOHN S. GORMAN, a citizen of the United States, residing at Pittsburgh, in the county of Allegheny and State of Pennsylvania, have invented new and useful Improvements in Attachments for Wheel-Presses, of which the following is a specification.

This invention relates to an attachment for a wheel press and has for its primary object to provide an attachment by means of which one man can be dispensed with during the operation and removal of car wheels from their axles in the present method.

An object of the invention is to so construct the attachment that the beneficial effects of leverage can be utilized.

Besides the above my invention is distinguished in the use of a lever having a flexible connection with a trolley wheel whereby the lever may have universal movement for giving the proper movements to the car axle.

With these and other objects in view the invention will be better understood from the following detail description taken in connection with the accompanying drawings wherein:—

Figure 1 is a side elevation of a portion of a press showing my invention applied thereto.

Fig. 2 is a cross sectional view thereof.

Fig. 3 is a top plan view.

Fig. 4 is a diagrammatic view illustrating the different positions of the car axle.

Again referring to the drawings the letter A designates a portion of a wheel press consisting of a front standard 1, a rear standard 2 and connecting bar 3. The front standard 1 is provided with the usual substantially circular recess 4 for receiving the car axle as clearly shown in Fig. 1 wherein the axle is shown moved to a position to disconnect the same from a car wheel shown in dotted lines.

My invention consists of a horizontally arranged track 5, which is arranged to one side of the press as shown in Fig. 2 by means of the supporting arms 6 bolted to the bar 3.

Movable on the track 5 is a flanged trolley wheel 7 to the axle of which is secured a

hanger 8. This hanger has connected thereto one end of a flexible element such as a chain 9.

The numeral 10 designates a lever having one end formed into an arcuate hook 11 adapted to engage under the bearing portion of the car axle. The curvature of the arcuate hook 11 is concentric with the curvature of the recess 4 in the standard 1. Secured to the lever adjacent the hook 11 so as to provide a relatively long handle portion 12 is one end of the chain 9 as clearly shown at 13. The clip 14 that directly connects the chain to the lever may be mounted for sliding movements upon the lever or rigidly secured thereto depending entirely which is the most practical when the apparatus is in use and whether the attachment is to be used on a variety of material.

B, designates in a diagrammatic manner the plunger of the press adapted to engage the end of the axle for forcing it through the car wheel, as the latter is held against movement by its abutting relation with the standard 1.

It is to be understood that while all the several features of my improved mechanism have special coöperation with one another and together constitute a particularly effective mechanism for the purpose in view, certain of these features may be applied in other relations, and I therefore desire to cover the combination present in the several parts of my improved mechanism whether employed in the general organization shown or elsewhere.

It is further to be understood that the structural embodiment of the invention as a whole and its various features as shown is merely illustrative and not restrictive since I am well aware that many of the details of construction can be widely varied without departing from the spirit of the invention. I therefore do not desire to be limited in these particulars or in any others except as set forth in the appended claim.

What I claim is—

The combination with a wheel press comprising spaced standards and a bar connecting the top ends thereof, one standard being provided with an axle supporting circular recess; of a pair of supports secured to said bar and angularly inclined to one side there-

of, a track carried by the upper ends of
said supports and disposed to the side of
and above said bar, a wheel movable upon
said track, an offset bracket secured to the
5 axle of said wheel and depending below said
track, a chain connected with the lower end
of said bracket, and a lever connected in-
termediate its ends with the other end of
said chain and having one end formed arcu-
ate and concentric to the curvature of said 10
recess for engagement with an axle disposed
within the recess.

In testimony whereof I affix my signature.

JOHN S. GORMAN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."