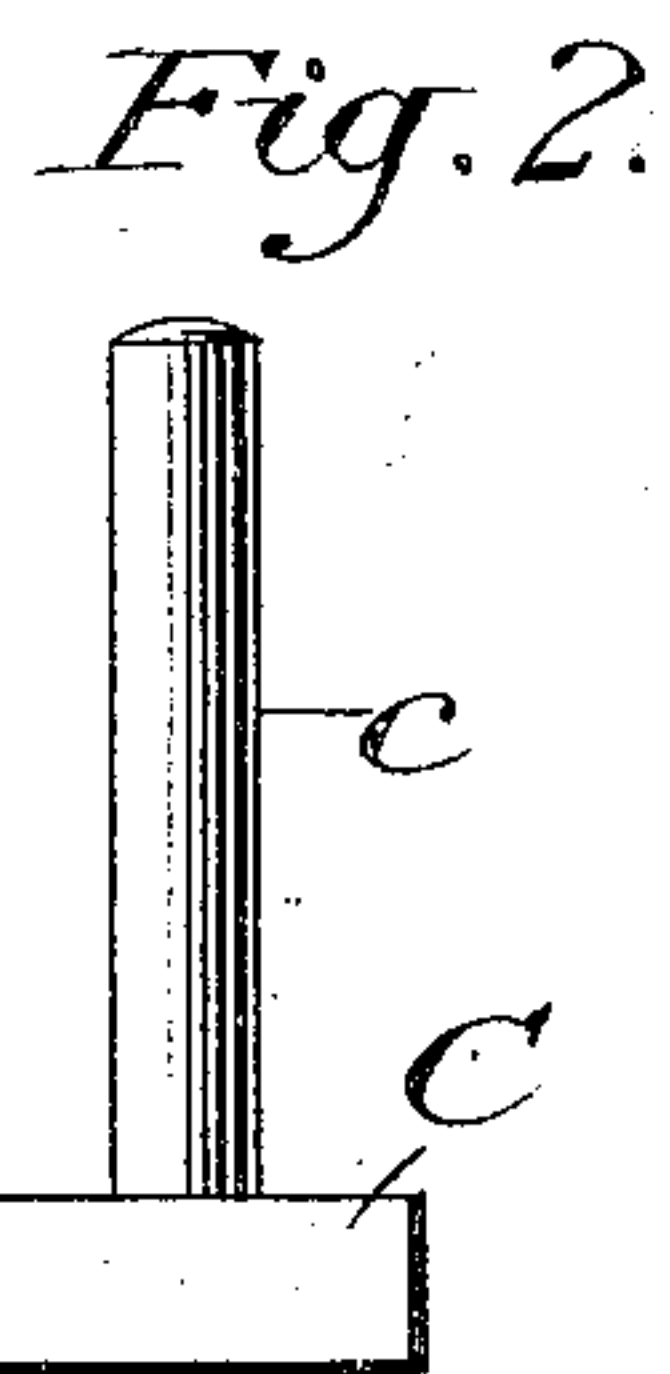
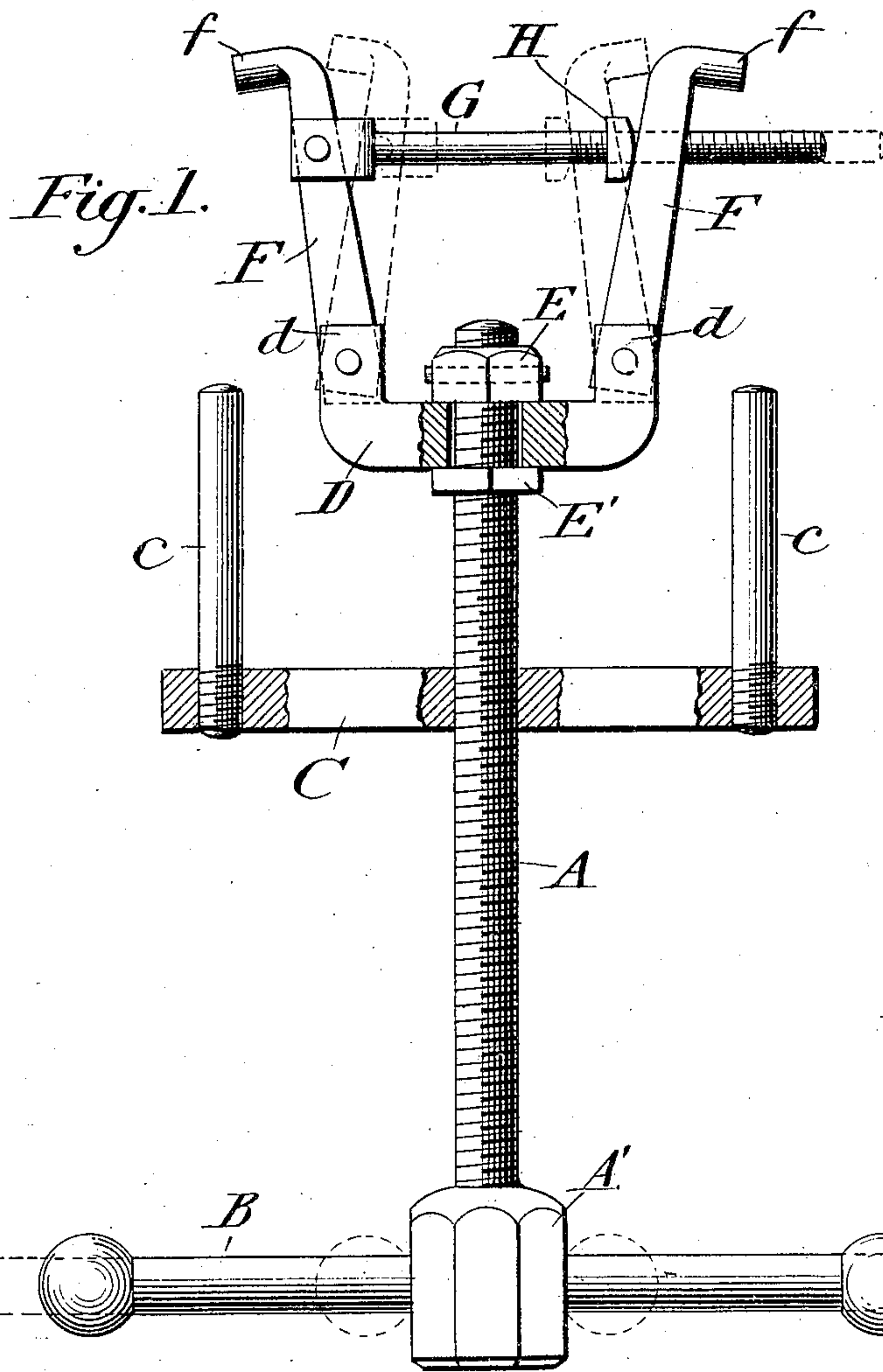
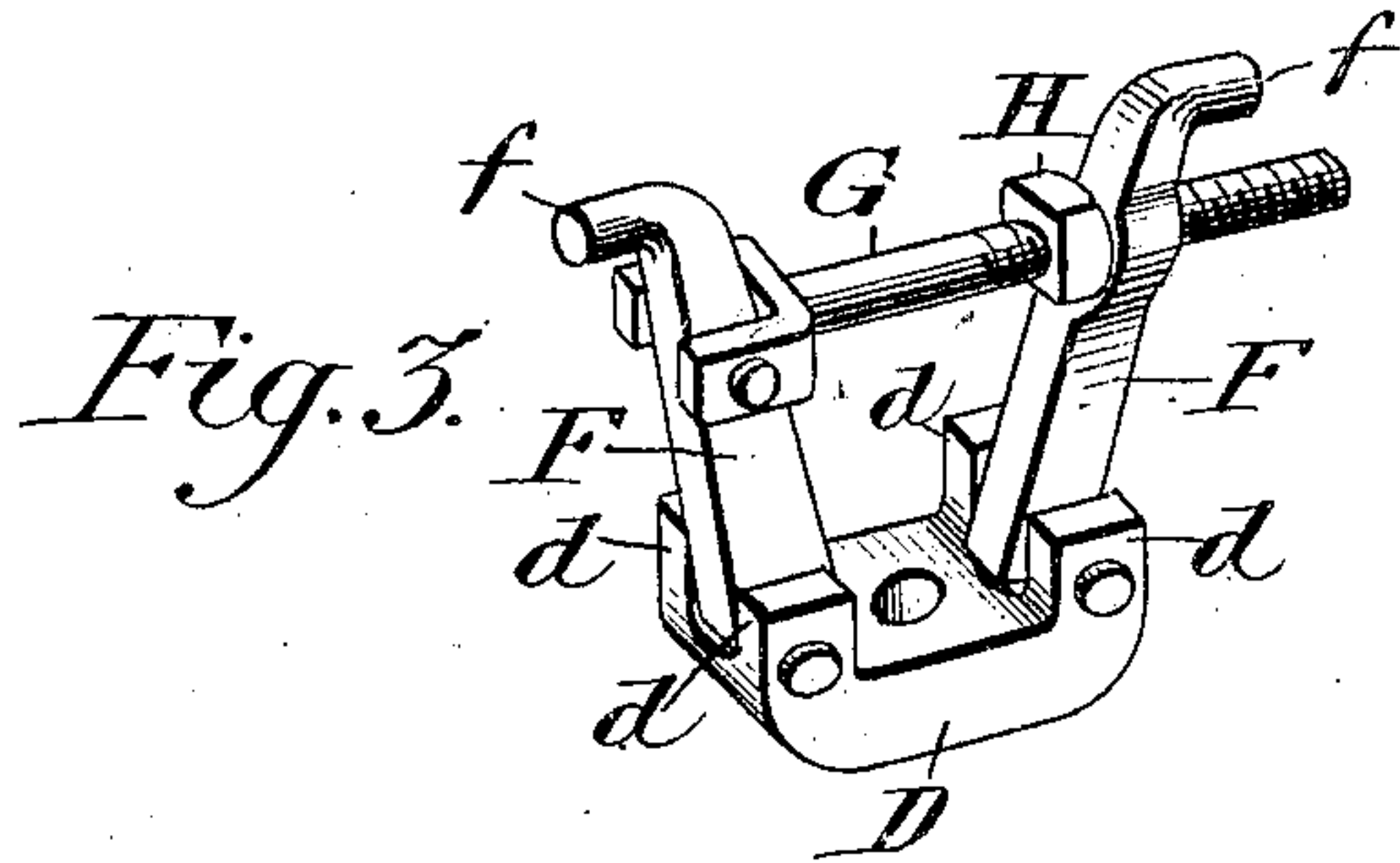


J. F. KILLIAN.  
LOCOMOTIVE CELLAR PULLER.  
APPLICATION FILED JUNE 3, 1904.



Witnesses:  
James P. Mansfield &  
L. E. Witham.

Inventor:  
John F. Killian.  
By: Alexander Boull, atty

# UNITED STATES PATENT OFFICE.

JOHN F. KILLIAN, OF WALNUTRIDGE, ARKANSAS, ASSIGNOR OF ONE-HALF TO MILO M. SMITH, OF WALNUTRIDGE, ARKANSAS.

## LOCOMOTIVE CELLAR-PULLER.

SPECIFICATION forming part of Letters Patent No. 791,032, dated May 30, 1905.

Application filed June 3, 1904. Serial No. 211,070.

*To all whom it may concern:*

Be it known that I, JOHN F. KILLIAN, a citizen of the United States, residing at Walnutridge, in the county of Lawrence and State of Arkansas, have invented a new and useful Locomotive Cellar-Puller, of which the following is a specification.

This invention is an improvement in screw-jacks, or what are commonly termed "cellar-pullers," in which a crowbar or other prying device is used to draw the cellar open to pack the journal-box of the locomotive.

My invention consists in substituting the power of a screw for the force of the leverage heretofore employed and in reducing the size of the puller used, whereby the journals may be packed and the cellar closed while the engine is on the road, if necessary, also whereby the work of closing the cellar is made quicker and easier.

The invention consists in novel details of construction and arrangement of parts, as will be hereinafter described, and summarized in the claims.

Figure 1 is a side view, partly in section, of the complete device. Fig. 2 is an end view of the bracing-bars. Fig. 3 is a perspective view of the puller-head.

A represents the main screw or shaft having an enlarged head A', provided with an opening (not shown) to permit a lever or bar B to pass therethrough and adapted to be used as a lever to turn the screw A. The lever B is provided with the usual enlarged heads on its outer ends. Mounted upon the shaft A is a bracing-plate C, which, as shown, is provided with a central opening fitted with threads and adapted to be rotated upon the screw A. This bracing-plate is provided with upwardly-extending studs *c c*, firmly secured near the outer ends thereof and adapted to press against the journal-box when the device is in operation.

On the upper end of screw A is loosely mounted a casting D, which is held between

nuts E E'. This casting is shown as U-shaped in cross-section and is provided with upwardly-extended yoked projections *d*. Between the respective arms thereof are loosely-connected outwardly-projecting bars F F, the upper ends of which are curved outwardly, as shown at *f f*, to fit into the grooves in the cellar. Attached to one of the bars F, slightly below the upper end thereof, is loosely attached a yoked arm G, said arm passing through the opposite bar F, and it is also provided with an adjusting-nut H for the purpose of adjusting the bars F F to fit the cellar and to adjust itself to the position of the bars F. At the point where the bar G passes through the bar F is shown as bulged to give strength to that member.

I am aware that it is old to provide cellar-pullers with outwardly-turned ends or holders, as shown, but such prior constructions are adjusted to the width of fastenings on cellar by chains at the lower ends of the bars and the puller itself was provided with no means for applying power to the opening of the cellar except by inserting a crowbar or other lever between the bars, which could not be done when the engine was on the track and which have been found difficult to handle.

What I claim is—

1. A device of the class described comprising pivoted arms having outturned ends, means pivoted to one of said arms for adjusting the arms, said means being provided with an adjustable member for contacting with the other arm and securing it in adjusted position, means for applying power to said arms consisting of a screw provided with a threaded bar to form a bearing for the device when in operation.

2. A device of the class described comprising adjustable arms with outturned ends, screw-actuated means for adjusting said arms, a screw-shaft secured to said arms, said shaft carrying a threaded bar having projections to contact with a resisting surface.



3. In a device of the class described, the combination with a cross head or plate having arms with outturned ends pivoted thereto, of means on one of said arms for adjusting them, a screw-shaft swiveled in said cross-head, and a resisting bar or plate threaded upon said screw.

In testimony whereof I have signed my name to this specification in the presence of two witnesses.

J. F. KILLIAN.

Witnesses:

W. A. CUNNINGHAM,  
M. M. SMITH.