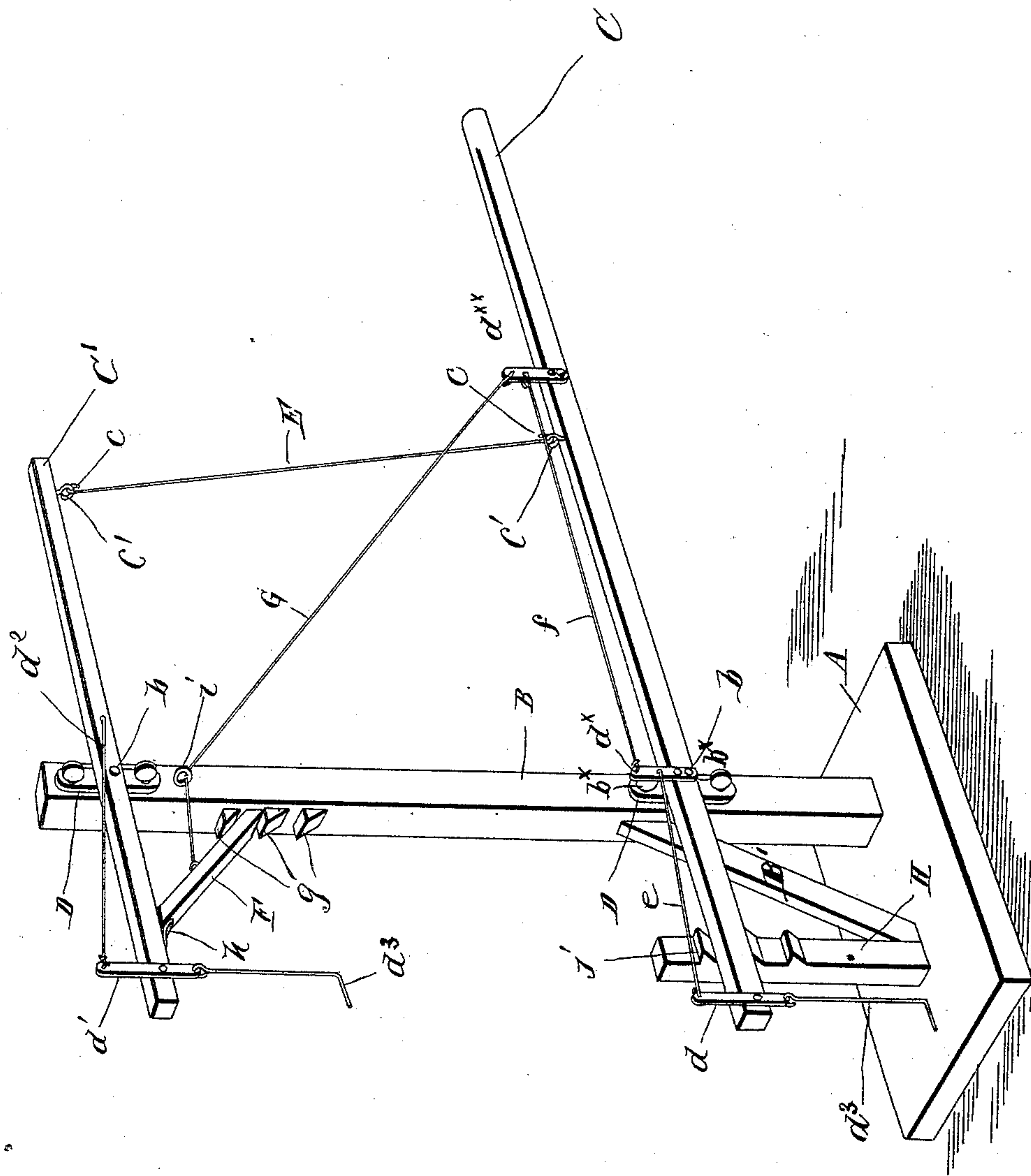


(No Model.)

P. M. BROWN.
MACHINE FOR RESETTING RAIL FENCES.

No. 424,855.

Patented Apr. 1, 1890.



WITNESSES

C. L. Taylor,
Phillips.

INVENTOR

Peter M. Brown,
by C. W. Anderson.
Attorney

UNITED STATES PATENT OFFICE.

PETER M. BROWN, OF CAIRO, MISSOURI.

MACHINE FOR RESETTING RAIL FENCES.

SPECIFICATION forming part of Letters Patent No. 424,855, dated April 1, 1890.

Application filed August 31, 1889. Serial No. 322,518. (No model.)

To all whom it may concern:

Be it known that I, PETER M. BROWN, a citizen of the United States, and a resident of Cairo, in the county of Randolph and State of Missouri, have invented certain new and useful Improvements in Machines for Resetting Rail Fences; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawing, and to letters of reference marked thereon, which forms a part of this specification.

The figure of the drawing is a representation of the machine, and is a perspective view.

This invention relates to certain improvements in machines specially designed to aid in repairing the ordinary rail-and-rider fence, and it consists of the novel combination and construction of parts, as will fully appear from the following description and illustration.

In accordance with my invention I employ a suitable base A and mortise and secure in this an upright or standard B, suitably bracing it in position by a brace B' or otherwise.

C C' are levers pivoted to the upright B, one about a foot from the lower end of the latter and the other near the upper end thereof. These levers are supported upon pivots or studs *b b* upon castings or clamps D D, applied to the upright B by thumb-bolts *b^x*, and are connected together by a rod E, having at its ends hooks *c c*, engaging eyes or clips *c' c'*, one secured to the upper lever C' at its extreme rear end and the other to the lower lever C some distance inward from its rear end. To the lower lever C are pivoted three perforated lever-plates *d d^x d^{xx}*, one arranged at each end thereof and one at a point about a foot from its forward end. At the front end of the upper lever C' is also pivoted a similar perforated plate *d'*, the upper end of which has connected to it one end of a rod *d²*, the opposite end of which is connected to the lever near the upright B. From the plate or lever *d'* depends a hook *d³*, which is designed to engage the top rail or rider of the fence. From the forward end plate *d* of the lower lever C also depends a hook *d³*,

which is designed to engage the bottom rail of the fence. The plate *d* has connected to its upper end one end of a rod *e*, the opposite end of which is connected to the middle of the intermediate lever or plate *d^x*. The lever or plate *d^x* has its upper end connected by a rod *f* to the lever or plate *d^{xx}*, said rod connecting with the latter near its upper end.

F is a prop engaging at its lower end notches *g* in the upper portion of the upright B, its upper end being held to the lever C' near the forward end of the latter by a spring-catch *h*, connected to said lever and engaging said prop. This prop has connected to it, intermediately of its ends one end of cord or line G, which passes through a loop or eye *i* on the upright B, the lower end of said cord being connected to the upper end of the plate or lever *d^{xx}*.

H is a short upright or post, also planted in the base A, and which has a number of notches *j* in it adapted to permit the engagement therewith of the lever C.

It will be seen that in applying the devices, it being desired to lift the fence bodily, the hooks, as previously intimated, are caused to engage one the bottom rail and the other the top rail or rider. This is done by depressing the forward end of the lever C until said engagement is effected, and by elevating the end of the lever the fence will be lifted, as desired, to permit the removal of a defective anchoring-post or ground rail, which generally decays before other portions of the fence. This decayed or impaired rail or post can thus be replaced by a sound rail or post, and consequently preserve the fence and render it almost equal to an entirely new structure. When the fence has been lifted, the lever C is engaged with one of the notches *j* of the post or upright H, and thus upheld while the process of repairing is going on. The prop F at the same time is also properly adjusted with relation to the notches *g* of the upright B by manipulating the cord G, after first disconnecting the rod E from the lower lever C, which will accordingly elevate the forward end of the lever C' with its hook and sustain the same in that position. After making the necessary repairs in the fence the parts of the device are readjusted, so as to

dispose the fence in the normal position. It will be seen, also, that the levers or plates d d^x d^{xx} and the rods $e f$, applied to the hook d^3 and lever C, serve as an equalizer in the application of the lifting force through the latter lever to the fence or structure.

Having described this invention, what I claim, and desire to secure by Letters Patent, is—

10 1. The combination, with the supporting-upright B, of the levers C C', pivoted to said upright and carrying pivoted plates or levers from the forward end ones of which depend hooks, substantially as set forth.

15 2. The combination, with the supporting-upright, of the levers C C', pivoted to the upright and carrying at their forward ends lifting-hooks and connecting together by a hooked rod, the lower lever C having an

equalizer arrangement comprising pivoted plates and rods, substantially as set forth.

3. The combination of the supporting-upright B, the levers C C', pivoted to said upright, the prop having a spring-catch connection with the lever C' and engaging notches in the upright B, the notched post H, the hook suspended through pivoted plates or levers at the forward ends of said levers C C', the rod E, connecting the latter, and the line G, connected to a pivoted plate or lever on lever C and to said prop, substantially as specified.

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

P. M. BROWN.

Witnesses:

C. ADAMS,
J. WOLF.