G. R. PAYTON.
Tobacco-Press.

No. 220,654. Patented Oct. 14, 1879.

Fig. 1.

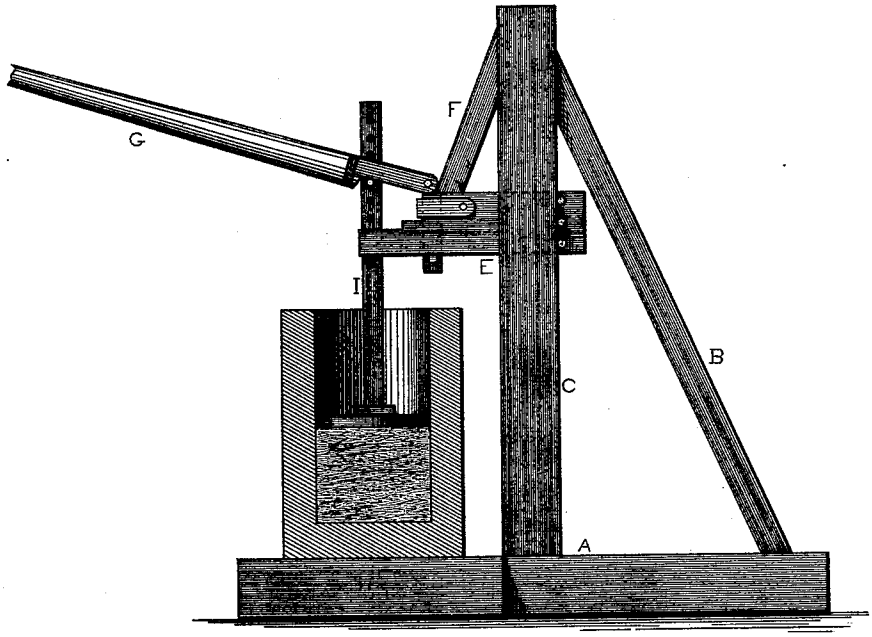
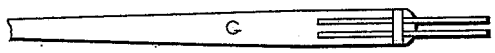


Fig. 2.



Witnesses.
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UNITED STATES PATENT OFFICE.

GAINS R. PAYTON, OF MUNFORDVILLE, KENTUCKY.

IMPROVEMENT IN TOBACCO-PRESSES.

Specification forming part of Letters Patent No. **220,654**, dated October 14, 1879; application filed July 18, 1879.

To all whom it may concern:

Be it known that I, GAINS R. PAYTON, of Munfordville, in the county of Hart and State of Kentucky, have invented certain new and useful Improvements in Presses; and I do hereby 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 pertains to make and use it, reference being had to the accompanying drawing, which forms part of this specification.

My invention relates to an improvement in presses; and it consists in the arrangement and combination of parts whereby a cheap, simple, and effective press is produced, that can be operated with rapidity and ease by hand-power, as will be more fully described hereinafter.

The accompanying drawing represents my invention.

A represents a suitable ground-sill, which is made wider at the end upon which the barrel, cask, or other vessel sits, that is to be packed with tobacco, cotton, or any other substance. Rising near the center of this sill is the vertical post C, which is braced by the beam B on its rear side.

At a suitable distance above the top of the sill there is made a mortise through the post C, and through this mortise is passed a tenon, that is made on the inner end of the horizontal beam E. This beam E is braced in position by means of the brace F, as shown. Pivoted upon the outer end of this horizontal beam is a long hand-lever, G, which lever has either a bifurcated casting on its inner end, and through which the pivotal bolt passes, or two parallel plates, slightly separated from each other, as shown. Between these two plates or the casting is the perforated compressor-rod, I. This rod passes down through a suitable slot, mortise, or recess made in the outer end of the horizontal beam E, and has its lower end to bear upon the follower in the barrel or cask that is being packed.

In operating my press the lever G is raised upward a suitable distance at its outer end, and then a bolt is passed through a hole in the compressor-rod, and this bolt serves as a point of resistance to the movement of the lever when power is applied to its outer end, thereby communicating power to the compressor-rod. As soon as the lever has been forced downward to a suitable extent, a bolt is passed through a hole in the compressor-rod just underneath the bottom of the horizontal beam E, which prevents the compressor-rod from rising upward when the lever G is raised upward for another hold.

The great advantage of this press over other hand-presses that have heretofore been made consists in having but a single ground-sill and a single vertical post, and in having the horizontal post project directly out over the top of the barrel or cask that is to be packed, whereby the power can be applied directly upon the center of the article being compressed.

Owing to the few parts and the extreme simplicity of the press, as here shown, any carpenter can build it, and it can be made for a much less sum than those presses generally in use.

This press is especially intended to pack tobacco in barrels; but it may be used for other purposes also.

Having thus described my invention, I claim—

The combination of the ground-sill A, vertical post C, braces B and F, and horizontal beam E with the hand-lever G and perforated compressor-rod, whereby the power can be applied directly over the center of any barrel or cask into which a material is being compressed, substantially as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand this 9th day of October, 1878.

G. R. PAYTON.

Witnesses:
A. MILLER,
J. M. BRENTS.