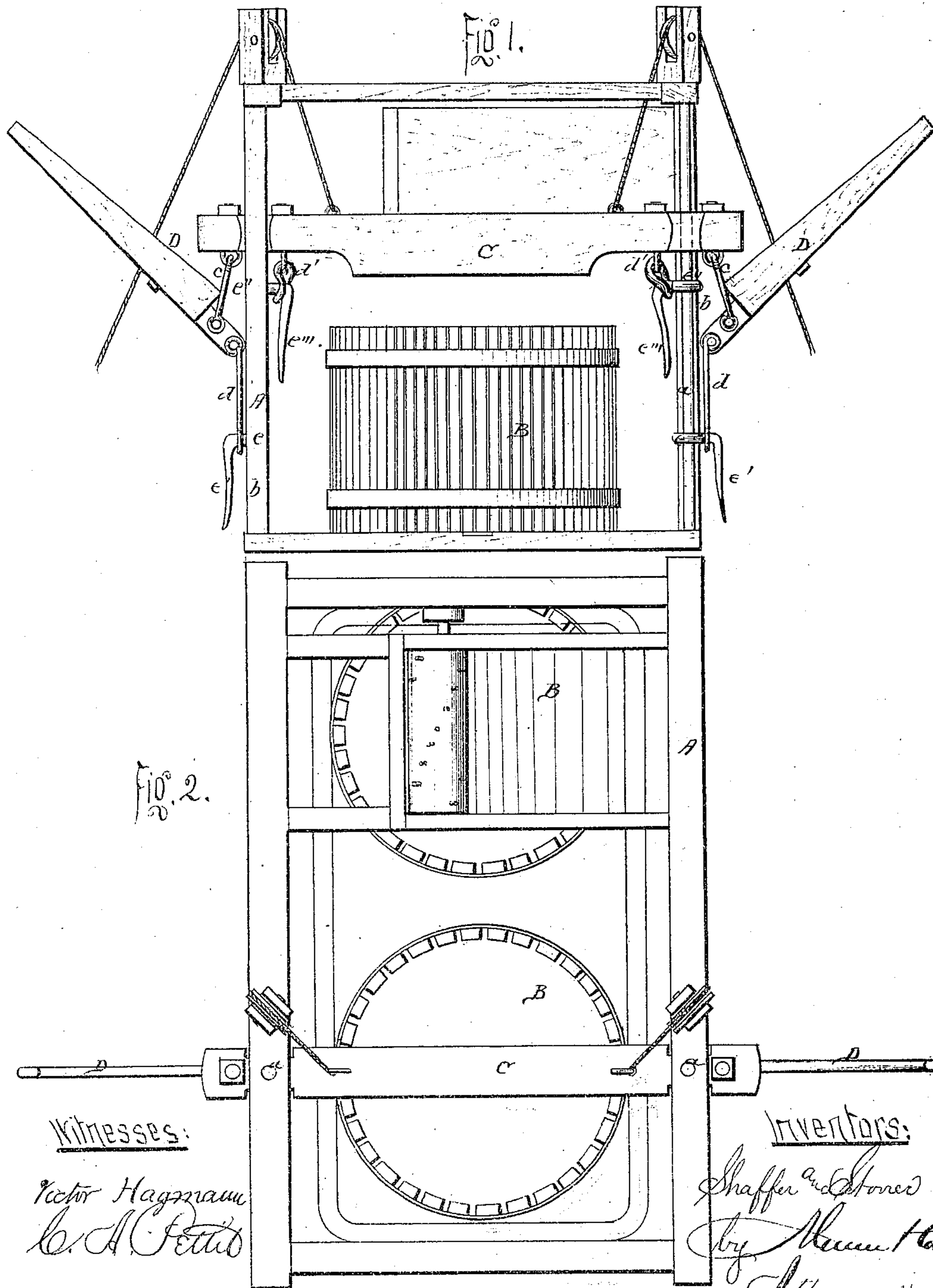


Schaffer & Stoner,

Cider Press.

No. 95,608.

Patented Oct. 5. 1869.



Witnesses:

*Nector Hagmann
C. A. Pettit*

Inventors:

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by Messrs. H. C. & Co.
Attorneys.*

United States Patent Office.

JOHN SCHAFFER AND EMANUEL STONER, OF WESTMINSTER,
MARYLAND.

Letters Patent No. 95,608, dated October 5, 1869.

IMPROVEMENT IN CIDER-PRESSES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that we, JOHN SCHAFFER and EMANUEL STONER, of Westminster, in the county of Carroll, and State of Maryland, have invented a new and improved Cider-Press; and we do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is an end elevation, and

Figure 2 is a plan view.

This invention relates to a press, in which the follower slides up and down upon vertical rods, passing through it, one near each of its ends.

The invention consists in providing, upon the vertical guide-rods, sliding eyes, the orifices through which the guide-rods pass having sharp edges in the upper and lower sides of the eyes, so that the latter may clamp the rods firmly when inclined a little out of the horizontal, said eyes being provided with hooks, by which they are connected with links, attached either to the follower-beam or the operating-lever.

In the drawings—

A is the frame-work of the press;

B the vats; and

C the follower-beam, working up and down upon the metallic guide-rods *a a*, and between posts *b b*, of the frame-work, said guide-bars and posts being near the ends of the follower-beam.

Links *c c*, pendent from the under side of the follower-beam, and near its extremities, are pivoted, at their lower ends, to the fulcrum of the levers D, the inner extremities of which levers are connected, by links *d d*, with eyes *e e*, the latter being provided with hooks *e' e'*, by which their connection with said links is effected.

The eyes *e* have smooth orifices for the rods *a* to pass through, said orifices having sharp corners at their upper and lower ends, which corners unyield-

ingly clamp the eyes upon the guide-bars, whenever the levers D are lowered, and consequently the follower-beam is compelled to descend.

On elevating the levers again, the links *d* unclamp the eyes from the guide-bars, and permit them to slide down along the latter, following the movements of the shorter arms of the levers, and to assume a fresh and lower position preparatory to the next descent of the follower.

The distance gained by each depression of the lever is retained, during each elevation thereof, against the contrary upward pressure of the material in the vat, by eyes *e''*, similar in all respects to the eyes *e*, and connected, by links *d' d'*, with the follower-beam on the opposite sides of the guide-bars.

The eyes *e''* are furnished with hooks *e'''*, like those upon the eyes *e*, which serve, in both cases, not only for means of attaching the links to the eye, but also of conveniently unclamping the eyes from the guide-bars, which is done by simply pressing the hooks toward the bars.

Having thus described our invention,

What we claim as new, and desire to secure by Letters Patent, is—

1. The eye *e''*, combined with the hook *e'''*, link *d'*, follower-beam C, and guide-bar *a*, substantially in the manner and for the purpose set forth.

2. The eye *e*, links *c d*, hook *e'*, lever D, guide-bar *a*, and follower-beam C, all combined as and for the purpose explained.

To the above specification of our improvement, we have set our hands, this 24th day of August, 1869.

JOHN SCHAFFER.

EMANUEL STONER.

Witnesses:

SOLON C. KEMON,

N. K. ELLSWORTH.