

(No Model.)

2 Sheets—Sheet 1.

H. S. EDWARDS.
PRESS.

No. 554,995.

Patented Feb. 18, 1896.

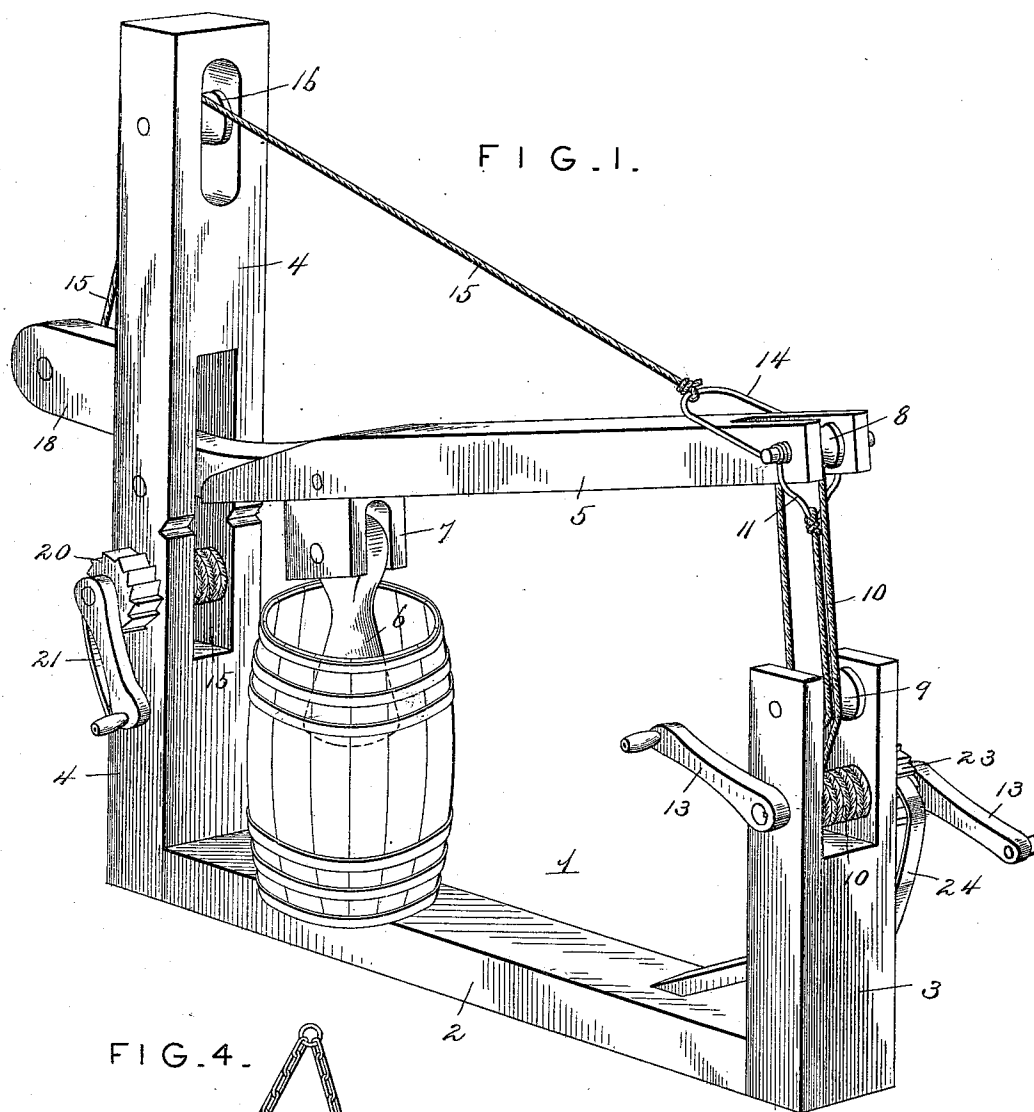
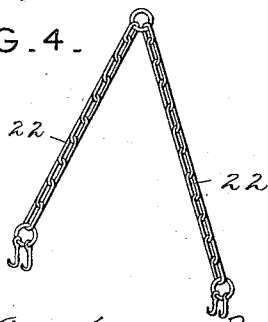


FIG. 4.



Witnesses

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By hus Attorneys;

Chas Snowles

(No Model.)

2 Sheets—Sheet 2.

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FIG. 3.

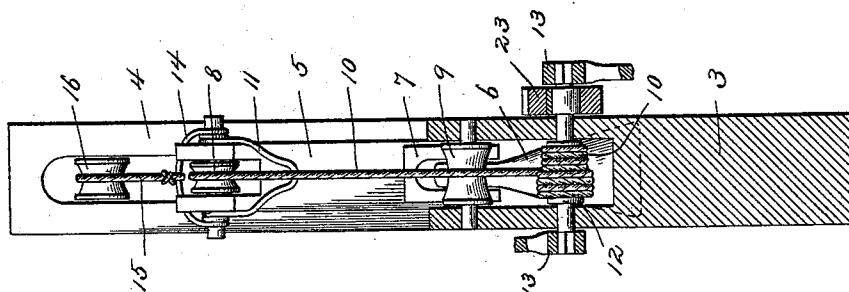
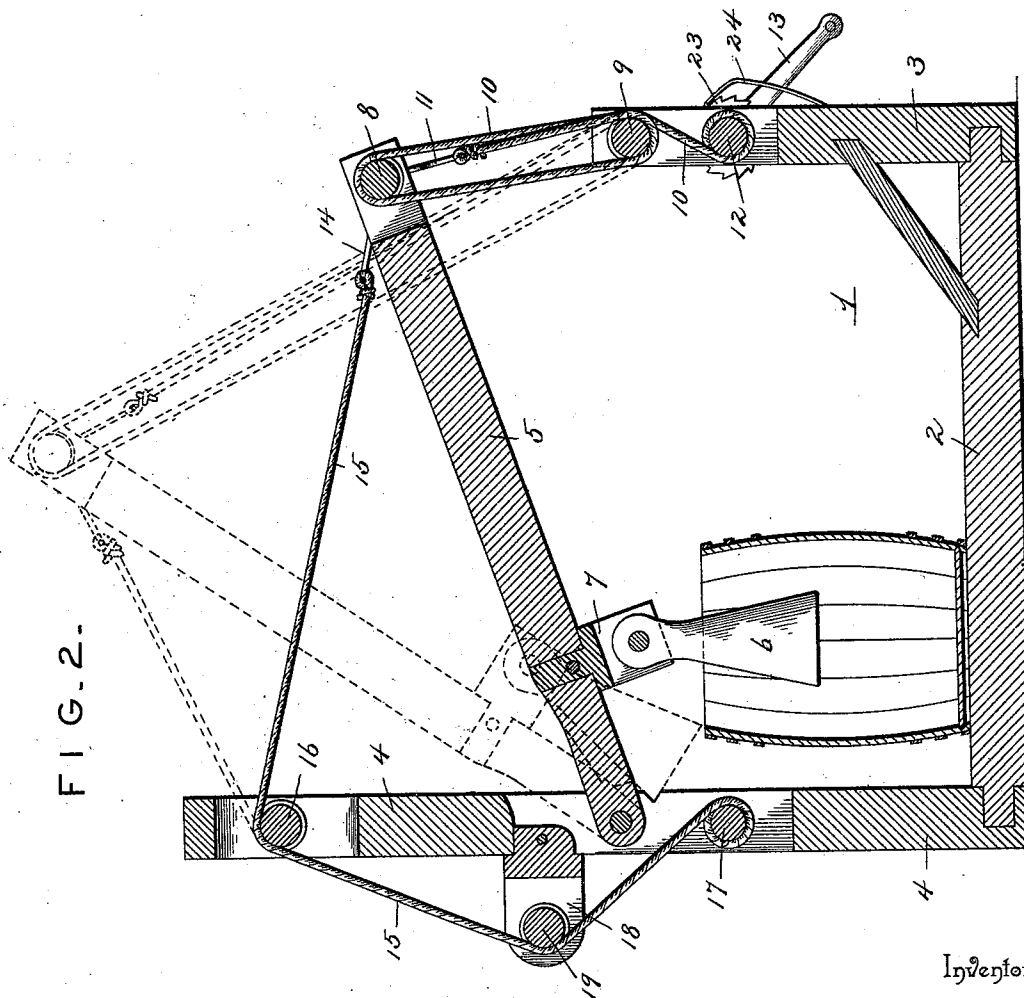


FIG. 2.



Inventor

Witnesses

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By His Attorneys,

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UNITED STATES PATENT OFFICE.

HARRISON S. EDWARDS, OF MONROE, KENTUCKY.

PRESS.

SPECIFICATION forming part of Letters Patent No. 554,995, dated February 18, 1896.

Application filed October 14, 1895. Serial No. 565,608. (No model.)

To all whom it may concern:

Be it known that I, HARRISON S. EDWARDS, a citizen of the United States, residing at Monroe, in the county of Hart and State of Kentucky, have invented a new and useful Press, of which the following is a specification.

The invention relates to improvements in presses.

The object of the present invention is to improve the construction of presses, and to provide one which will be adapted for packing tobacco in hogsheads and the like, and which may be arranged for hoisting hogsheads for loading them on vehicles.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

In the drawings, Figure 1 is a perspective view of a tobacco-press constructed in accordance with this invention. Fig. 2 is a longitudinal sectional view, the lever being shown in dotted lines supported by the follower or plunger. Fig. 3 is a transverse sectional view. Fig. 4 is a detail view of a pair of grappling-chains.

Like numerals of reference indicate corresponding parts in all the figures of the drawings.

1 designates a supporting-frame comprising a bottom sill 2 and uprights 3 and 4 arranged at the ends of the sill, the upright 4 being of greater height than the upright 3, and fulcrumed on the upright 4, at a point intermediate of the ends thereof, is a lever 5 carrying a plunger or follower 6. The hogshead or other receptacle to receive the tobacco to be packed is placed on the sill 2 and arranged beneath the plunger or follower 6, which is adapted to remain in a vertical position independent of the position of the lever 5, and the upper end of the plunger or follower is pivoted in a suitable bearing of an arm 7 of the lever. The plunger is located adjacent to the upright 4, and is adapted, as illustrated in dotted lines in Fig. 2 of the accompanying drawings, to engage the said upright 4 to support the lever in an elevated position.

The outer end of the lever 5 and the upper end of the upright 3 are bifurcated, and have

journalled in them double pulleys 8 and 9, on which is adapted to be arranged a rope 10, or a cable, chain or the like, which has one end attached to a loop 11 of the lever, and which has its other end secured to and adapted to be wound around a windlass-shaft 12, whereby the lever is forced downward to pack the tobacco or other material. The windlass-shaft is provided at its ends with crank-handles 13 located at opposite sides of the upright 3.

The loop 11 depends from the outer end of the lever 5, and the latter is also provided with an upwardly-extending loop 14, to which is attached one end of a cable or rope 15, and the latter passes over a pulley 16 at the top of the upright 4 and extends downward at the rear side of the said upright, and is connected with and adapted to be wound around a windlass-shaft 17. The upright is provided at its rear side with an arm 18 carrying a pulley 19, over which passes the rope or cable 15, and the windlass-shaft 17 is adapted to elevate the lever 5 after the latter has been forced downward by the rope or cable. The rear windlass is held against retrograde rotation to maintain the lever in an elevated position by a ratchet-wheel 20, and a pawl 21 mounted on the rear upright and engaging the ratchet-wheel.

After the tobacco has been packed in hogsheads the upper end of the front cable may be disconnected from the lower loop 11, and a pair of grappling-chains 22 may be attached to the rope or cable 15 to engage a hogshead, and the rear cable can then be employed for hoisting the hogsheads for loading them into suitable vehicles. The front windlass is also provided with a ratchet-wheel 23, which is engaged by a pawl 24, mounted on the front upright and engaging the ratchet-wheel 23 to prevent the front cable or rope from accidentally unwinding.

It will be seen that the tobacco-press is simple and inexpensive in construction, that it is capable of exerting great pressure on the material to be packed, and that it is capable, also, of hoisting the packed hogsheads or other receptacles into wagons or other conveyances.

Changes in the form, proportion, and minor details of construction may be resorted to without departing from the principle or sacrificing any advantages of the invention.

What I claim is—

1. In a press, the combination of a frame provided with front and rear uprights, a lever fulcrumed on one of the uprights, a plunger
5 pivoted to the same and adapted to be swung rearward into engagement with the rear upright, a front windlass mounted on the front upright and having a rope or cable connected with the lever, and a rear windlass having a
10 rope or cable passing above the lever and detachably connected with the same, substantially as and for the purpose described.

2. In a press, the combination of a supporting-frame, a lever, means for operating the

lever, and a plunger pivoted to the lever and
15 arranged adjacent to the supporting-frame and adapted to engage the same, when the lever is in an elevated position, whereby the lever is held elevated, substantially as described.
20

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

HARRISON S. EDWARDS.

Witnesses:

THEO. M. BROOKS,
C. L. GRINSTEAD.