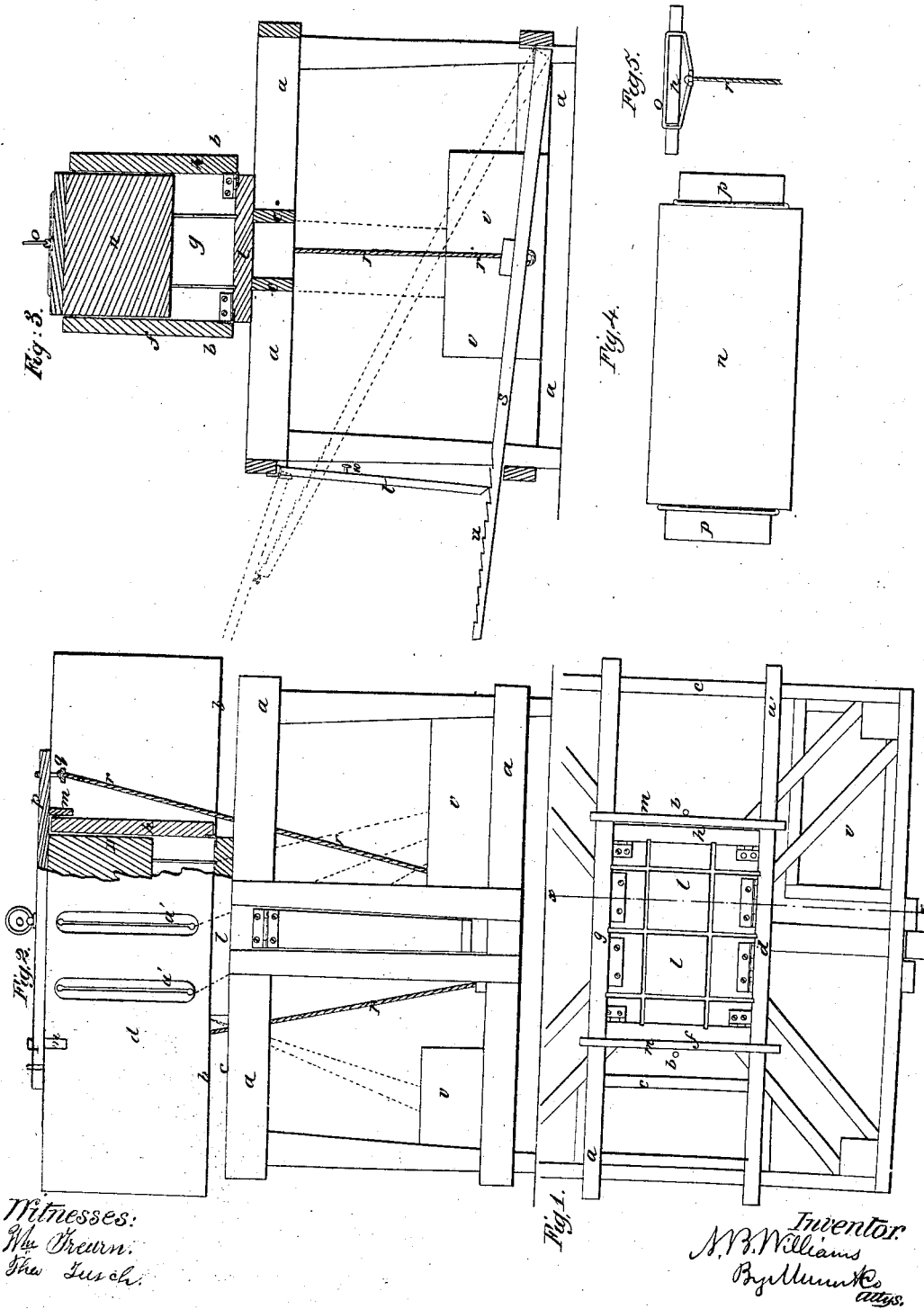


U. B. Williams,
Wool Press,

No 51,377,

Patented Dec. 5, 1865.



Witnesses:
Wm. Thurn.
Thos. Lurch.

Inventor:
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By J. M. Williams
attys.

UNITED STATES PATENT OFFICE.

U. B. WILLIAMS, OF LOWELL, MICHIGAN.

IMPROVED WOOL-PRESS.

Specification forming part of Letters Patent No. 51,377, dated December 5, 1865.

To all whom it may concern:

Be it known that I, U. B. WILLIAMS, of Lowell, in the county of Kent and State of Michigan, have invented a new and useful Improvement in Wool-Presses; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

The present invention consists in a novel construction of a press, adapted more especially for wool, whereby simplicity, cheapness, effectiveness, and durability are secured, as will be apparent from the following description, reference being had to the accompanying plate of drawings, of which—

Figure 1 is a plan or top view of my improved wool-press; Fig. 2, a side view of the same, showing a portion in section; Fig. 3, a transverse vertical section taken in the plane of the line *x x*, Fig. 1; and Figs. 4 and 5 detail views of the press follower or plunger.

a a in the drawings represent the supporting frame-work of the press *b*, attached to or secured upon its top pieces, *c c*, with its four sides *d*, *f*, *g*, and *h* hinged to the common bottom piece, *l*, so as to be swung up into a vertical position or down upon the frame *a*, in the former of which positions they are tightly held together by cross-ties or braces *m m*.

n is the plunger or follower, made of corresponding shape to the periphery of the interior of the press and closely fitting the same, which plunger has a fixed staple, *o*, at or near its cen-

ter, for convenience in raising or lowering it by any suitable connecting cord, pulleys, &c. The ends *p p* of the top portion of the plunger *n* project over the side or end pieces of the press, and, when desired to bring the plunger to bear and compress the wool previously inserted in the press, are connected by clasps *q q*, through cords or ropes *r r*, with a common treadle or lever, *s s*, so that by bearing down upon the treadle with the foot, or in any proper manner, the plunger is caused to correspondingly compress or act upon the wool in the press, as is evident without further explanation, a pawl, *t*, by catching in the teeth *u u* of the treadle, holding it in any desired position.

v v are boxes for holding twine, cord, or other line generally employed for tying up compressed wool, from which boxes it is passed up through the apertures *a' a'* in the sides of the press and about the wool therein, and secured as is now ordinarily practiced in wool-pressing.

To hold the treadle in an elevated position in order to disengage its ropes *r r* from the plunger, it is only necessary to engage its outer end with the stud *w* of the lever-pawl *t*, as can be readily seen by inspection of the drawings.

I claim as new and desire to secure by Letters Patent—

The arrangement and construction of the wool-press herein described.

URIAH B. WILLIAMS

Witnesses:

J. M. MATHEWSON,
J. B. SHEAR.