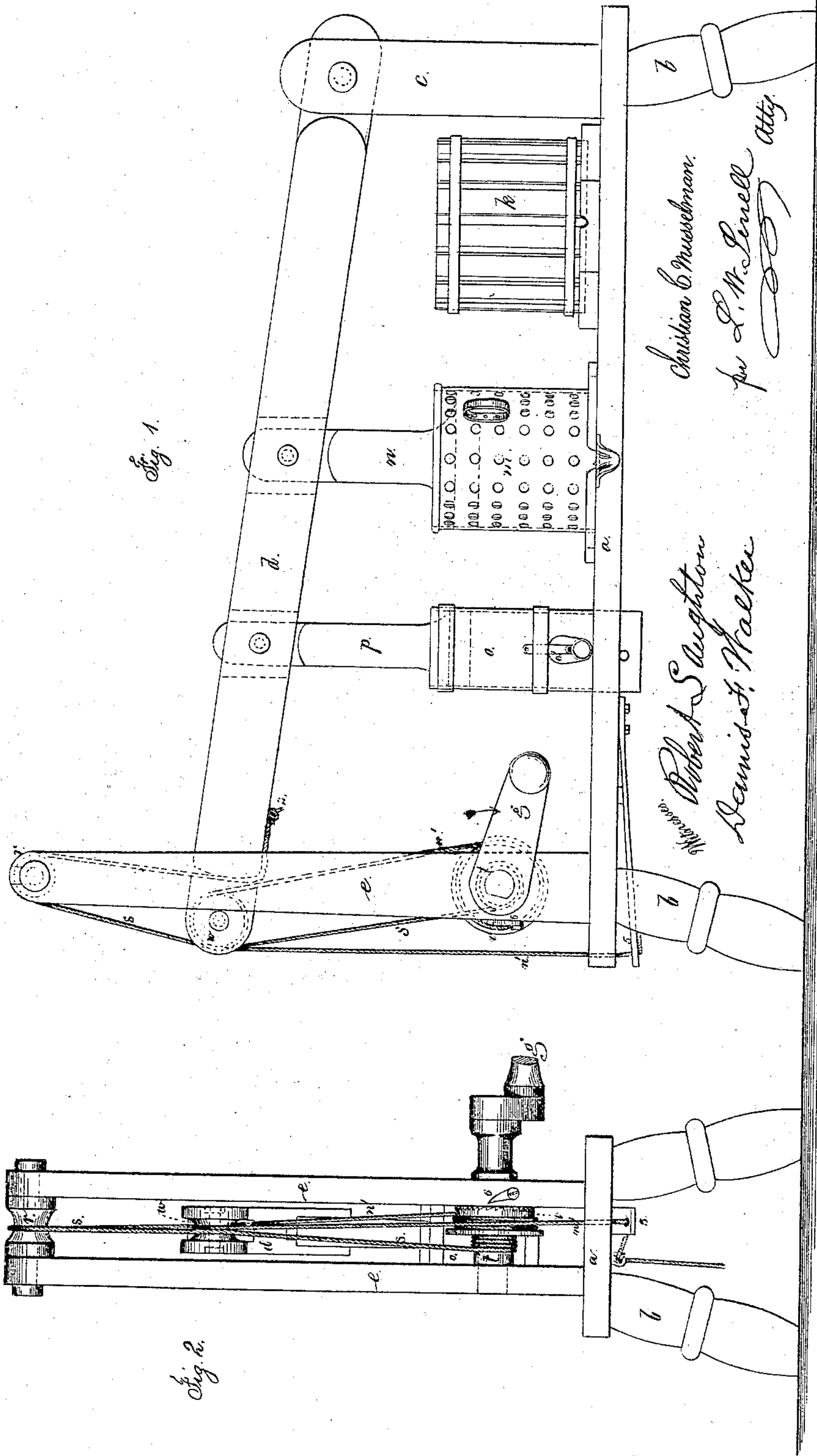


COMBINED PRESS FOR CHEESE, &c.

No. 98,702.

Patented Jan. 11, 1870.



United States Patent Office.

CHRISTIAN C. MUSSELMAN, OF SOMERSET, PENNSYLVANIA.

Letters Patent No. 98,702, dated January 11, 1870.

IMPROVEMENT IN COMBINED PRESS FOR CHEESE &c.

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

To all whom it may concern:

Be it known that I, CHRISTIAN C. MUSSELMAN, of Somerset, in the county of Somerset, and State of Pennsylvania, have invented and made a new and useful Improvement in Combined Press for Cheese and other articles; and I do hereby declare the following to be a full, clear, and exact description of the said invention, reference being had to the annexed drawing, making part of this specification, wherein—

Figure 1 is a side elevation of the said press, and

Figure 2 is an end view, showing the winch, and mechanism for operating the press-lever.

Similar marks of reference denote the same parts.

In Letters Patent granted to me, May 21, 1867, No. 64,998, the platform *a*, supported by the legs *b*, the standard *c*, lever *d*, cheese-press ring *k*, perforated casing *m*, plunger *n*, sausage-stuffer *o*, and plunger *p*, are shown substantially the same as in my present invention.

In this machine, however, there was no means for raising the lever *d*; it had to be lifted by hand.

The nature of my present invention consists in an arrangement of pulleys and cords, combined with the lever *d*, and a two-part winch-barrel, so that the moving end of the lever can be drawn down with great power by rotating the winch-barrel in one direction, or said lever will be lifted by turning the winch the other way.

My present invention is, therefore, an improvement upon that set forth in aforesaid patent, and increases the capacity of the same, and the facility with which the press can be used, because the lever will be held up by the winch and cords while the press is being charged, and the plunger can be drawn up by the winch with ease, although it might be wedged within the press, or adhere to the material operated upon.

A special reference being made to the patent before mentioned, no further description of the press, its mode of construction or operation, is herein required. I, however, remark that the sausage-stuffer is provided with the tube *o'*, for the escape of air, and is attached by a tenon through the bed *a*.

At the upper end of the standard *c*, I introduce a roller or pulley, *r*, over which the rope or cord *s* passes.

One end of this cord *s* is attached to the lever *d*, as at 2; the other end is passed around and attached to the smaller portion *t*, of the two-part winch-barrel.

The other rope or cord *u'* is attached at one end to the larger portion *v*, of the two-part winch-barrel, passes up over the moving pulley *w*, (that is, at the end of the lever *d*), and thence descends to the point of attachment at the bed *a*.

I have shown this rope as passing to the spring 5, that yields slightly in case of inequality in the winding or unwinding of the ropes or cords *n'* and *s*.

The crank *g* is employed to actuate the two-part winch-barrel, and the pawl 6 retains the barrel and lever, when the latter is drawn down by revolving the barrel in the direction of the arrow, fig. 1.

When the pawl 6 is relieved, the reverse movement of the crank *g* and winch-barrel elevates the lever *d*, and draws the plunger up.

This press is adapted to a variety of domestic purposes, such as the pressing of cheese in the ring *k*, the making of cider or wine, or the expressing of other liquids from materials placed in the perforated casing *m*, or the pressing of lard or meat-scrap; also, in the stuffing of sausages, this press is especially available, as the air escapes back through the tube *o'*.

What I claim, and desire to secure by Letters Patent, is—

The arrangement of the winch-barrel *t v*, cords or ropes *s u*, and pulleys *r w*, combined with the spring 5 and press-lever *d* that acts upon the plungers, as and for the purposes set forth.

In witness whereof, I have hereunto set my signature, this 26th day of June, A. D. 1869.

O. C. MUSSELMAN.

Witnesses:

ROBERT LAUGHTON,
DENNIS F. WALKER.