G. C. DOLPH & F. J. SMITH.

Cheese-Press.

No. 166,512. Patented Aug. 10, 1875.

Fig. 1.

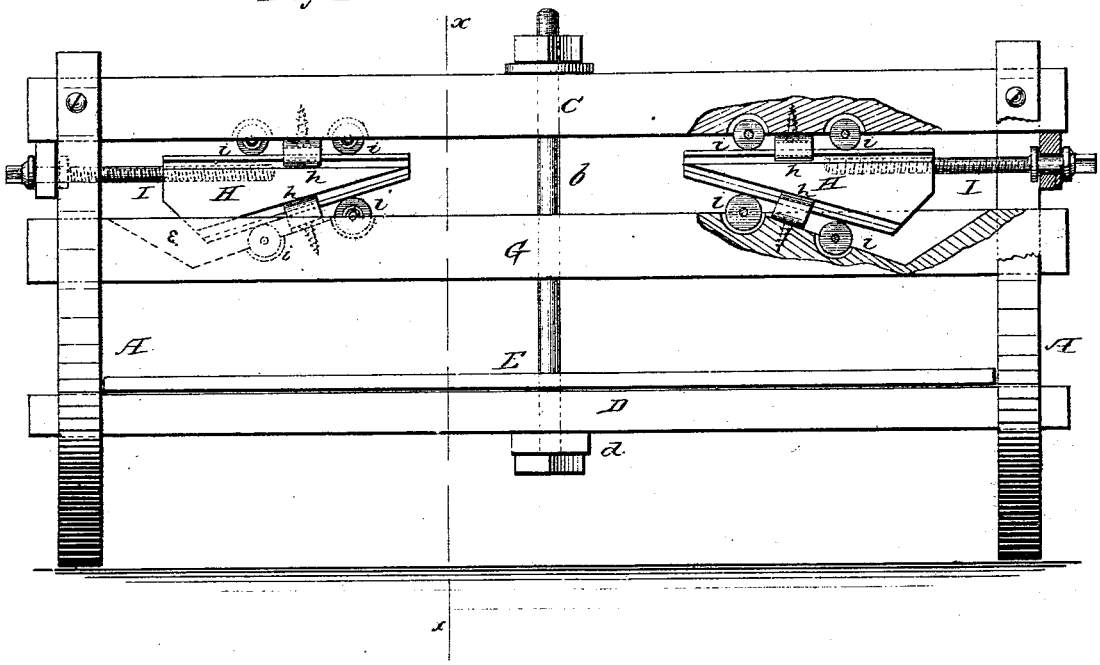
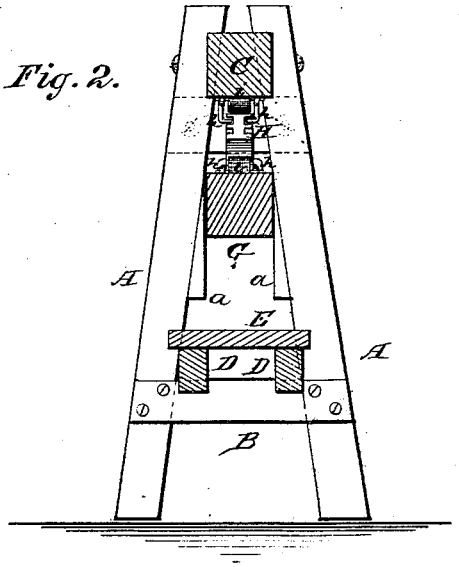


Fig. 2.



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UNITED STATES PATENT OFFICE.

GEORGE C. DOLPH AND FRANK J. SMITH, OF WEST ANDOVER TOWNSHIP, ASHTABULA COUNTY, OHIO.

IMPROVEMENT IN CHEESE-PRESSES.

Specification forming part of Letters Patent No. **166,512**, dated August 10, 1875; application filed July 10, 1875.

To all whom it may concern:

Be it known that we, GEORGE C. DOLPH and FRANK J. SMITH, of West Andover township, in the county of Ashtabula and State of Ohio, have invented certain new and useful Improvements in Cheese-Presses; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The nature of our invention consists in the construction and arrangement of a cheese-press for pressing a number of cheeses at one time, as will be hereinafter more fully set forth.

In the accompanying drawing, Figure 1 is a side elevation of our machine. Fig. 2 is a transverse vertical section of the same through the line *x x*, Fig. 1.

The frame of our cheese-press is composed at each end of two inclined bars or side pieces, A A, connected near their lower ends by a cross-bar, B, and having one end of a beam, C, let into and secured between them at their upper ends, the other end of said beam being fastened in the other end of the frame.

On the cross-bars B B rest two beams, D D, which are let into said cross-bars and into the inclined beams A A, and on top of said beams D D is placed the bottom E of the press, which is intended to contain a series of hoops, into which the cheeses are to be pressed. On the inner sides of the inclined bars A A are formed or attached guides *a a*, between which the follower or pressing-beam G is placed. A bolt, *b*, is passed through the beams C and G and bottom E, and a block, *d*, under the beams D D, to form a center brace, and strengthening the press. In the top, near each end of the presser-beam G, is a triangular recess, *e*, to receive a wedge, H, which is operated by means of a screw, I, from the end of the press, as shown. The wedge H is held to the presser-beam G and the top beam C by means of clamps *h h*, fastened to said beams and entering grooves in the wedge. Friction-rollers *i i* are interposed between the wedge and the beams, as shown. The screws I I are revolved by means of cranks upon their outer ends to force the wedges inward, and thus give the first pressure of the beam G on the cheese. Levers are then attached to the ends of the screws for forcing the wedges still farther inward, and give the final pressure.

This cheese-press is simple in construction, powerful in operation, and not liable to get out of order.

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. In a cheese-press, the follower G, combined with the triangular recesses *e* and rollers *i*, in combination with the wedge H, stationary beam C, and beams D, all constructed and arranged substantially as and for the purpose specified.

2. The combination of the wedge H, screw I, clamps *h*, and friction-rollers *i* with the stationary top beam C and follower G, substantially as and for the purposes herein set forth.

In testimony that we claim the foregoing as our own, we affix our signatures in presence of two witnesses.

GEORGE C. DOLPH.
FRANK J. SMITH.

Witnesses:
A. C. ESPY,
ABY SHILLITS.