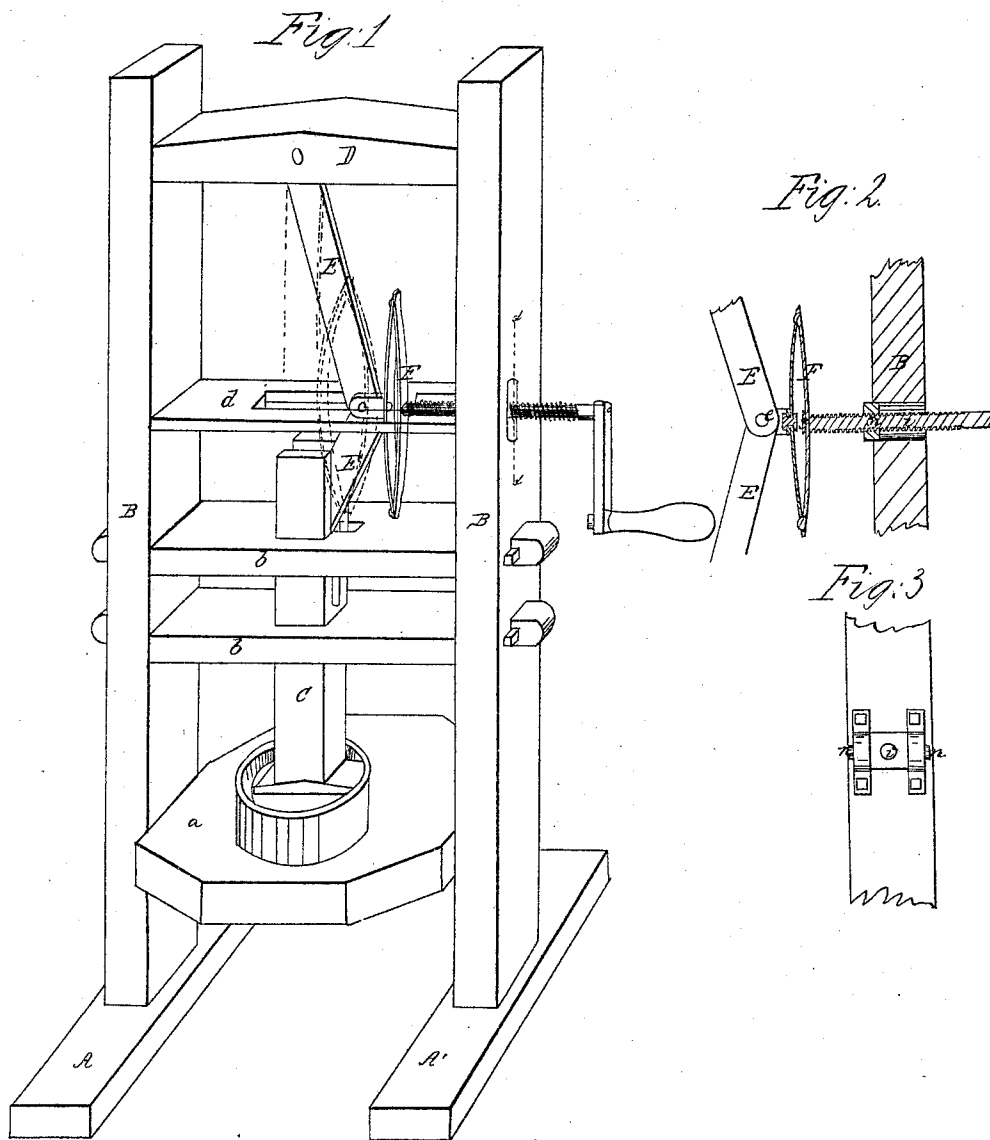


L. Kellogg,
Cheese Press.

N^o 6,101.

Patented Feb. 6, 1849.



UNITED STATES PATENT OFFICE.

LANSING KELLOGG, OF RAVENNA, OHIO.

CHEESE-PRESS.

Specification of Letters Patent No. 6,101, dated February 6, 1849.

To all whom it may concern:

Be it known that I, LANSING KELLOGG, of Ravenna, in the county of Portage and State of Ohio, have invented certain new and useful Improvements in the Cheese-Press, of which the following is a full and exact description, reference being had to the annexed drawings of the same, making part of this specification, in which—

10 Figure 1 is a perspective view, Fig. 2 is a section taken through a part of the post B in the line *x x*, and Fig. 3 is an elevation of the part of the post in front of the section.

15 The nature of my invention and improvement consists in placing between a pair of toggle joint levers, and a screw which operates therein, an elliptical or other spring in such a manner that it is compressed by the
20 force applied by the screw to the levers, and by its effort to expand again has the effect of continuing the pressure of the levers upon the cheese or whatever substance is placed between them and the platen after the screw
25 has ceased to operate. The screw may also be so arranged as merely to be used for the purpose of compressing the spring which in this case would alone act upon the toggle joint to produce the necessary compression.
30 The combined action of the toggle joint and spring produces a steady, continuous, and moderate pressure which seems to be the peculiar action best adapted to the pressing of cheese, which by too sudden and violent
35 pressure is forced through the cloth and hoop in which it is contained, and if not long enough continued the whey is left in it which materially deteriorates its quality.

40 In the accompanying drawings A is the platform of the press, it is of any suitable size, and is most conveniently made of thick plank, upon this platform the two uprights

B B are erected; between these uprights the platen *a* is placed, also the transverse pieces *b b* in which mortises are made to form
45 guides for the piston C, the binding beam D on which is the point of support for the levers, and likewise the guide piece *d* in which a slot is made to guide the toggle joint levers E E and spring F in their lateral move-
50 ment.

The screw *i* compresses the spring F by forcing it against the toggle joint *e* being attached to it by a swivel joint *s*. The nut in which the screw turns, and which is of
55 course its point of support is in the post B, and turns on an axis *n* as shown in Figs. 2 and 3.

The spring may be made of any approved form but I prefer an elliptic of the kind in
60 common use for carriages.

The several parts of this machine may be made of any material which in the view of the constructor is most suitable or convenient.
65

The operation of this press being analogous to that of all others upon the toggle joint principle and quite obvious from an inspection of the drawing, I have not
70 deemed a detailed description of the same here, to be necessary.

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

The combination of the spring, with the screw and toggle joint as herein set forth,
75 or in any other substantially similar manner by which the same effects are produced.

In testimony whereof I have hereunto set my hand and affixed my seal, this seventh day of October A. D. 1848.

LANSING KELLOGG. [SEAL.]

Witnesses:

LUTHER L. BROWN,
SOPHIA E. BROWN.