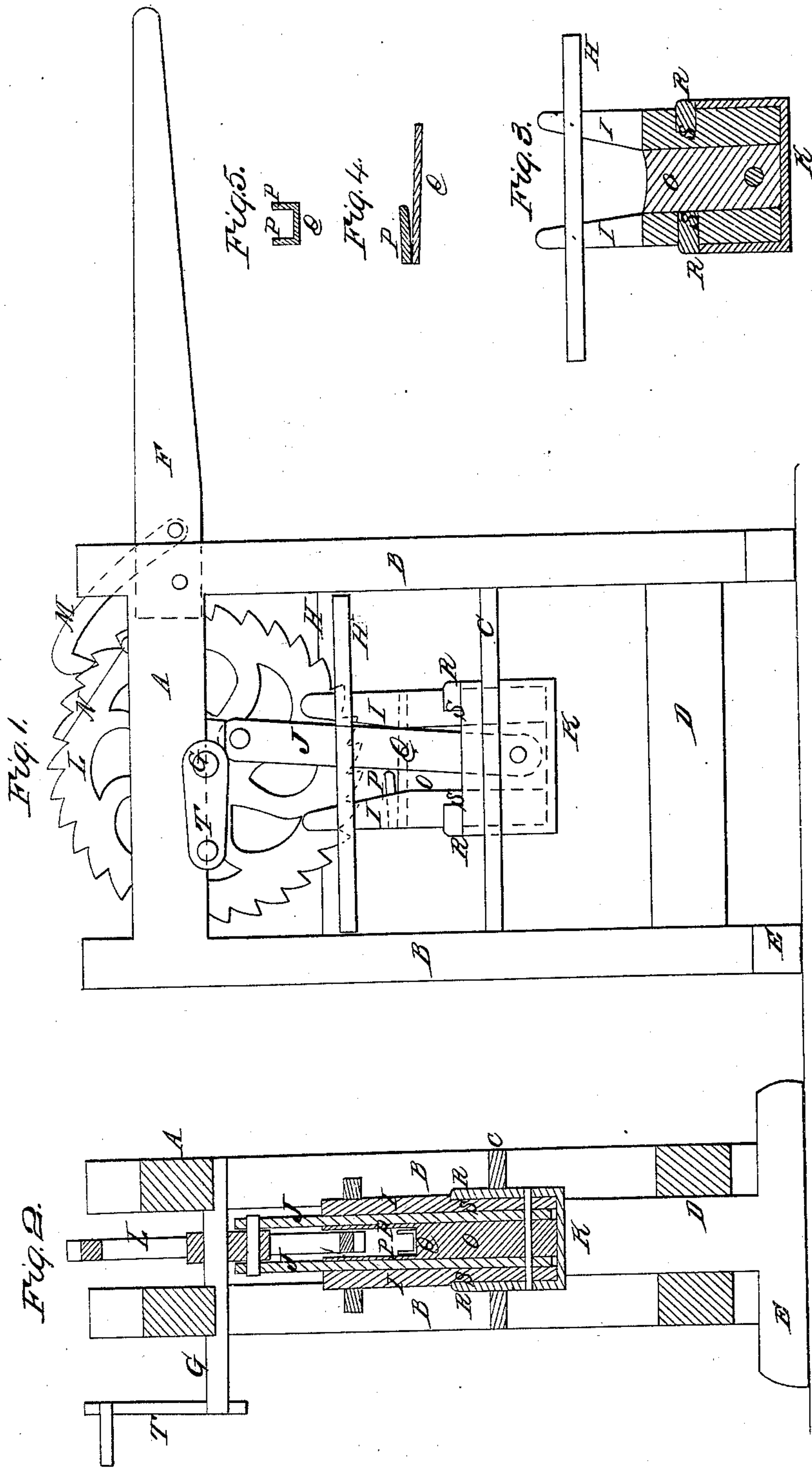


*C. Taylor,*  
*Cheese Press,*

*No 23,323,*

*Patented Mar. 22, 1859.*



# UNITED STATES PATENT OFFICE.

CHARLES TAYLOR, OF LITTLE FALLS, NEW YORK.

## CHEESE-PRESS.

Specification of Letters Patent No. 23,323, dated March 22, 1859.

*To all whom it may concern:*

Be it known that I, CHARLES TAYLOR, of Little Falls, in the county of Herkimer and State of New York, have invented a new  
5 and useful Improvement in Cheese-Presses or Presses for General Purposes; and I hereby declare that the following is a full and exact description.

To enable others to make and use my invention I proceed to describe its construction and operation reference being had to the drawings hereunto annexed and making  
10 part of this specification.

Figure 1 side elevation of the press; Fig. 2, end elevation of the press; Fig. 3, sectional view of the metal box, K, with flanges R, R, guide posts I, I, key O, and cross guides H; Fig. 4, side view of the spring bed piece *q*, and spring fingers *p*; Fig. 5, end  
15 view of the spring bed piece *q*, and spring fingers *p*, *p*.

A A are beams for holding together the upper ends of the frame posts B B B B.

B B B B are frame posts.

25 C is a guide board through which the follower moves.

D D are girts for holding together the lower ends of the frame posts B B B B.

E E are feet attached to the lower ends  
30 of the frame posts B B B B and also used for sustaining it in a perpendicular manner.

F is a lever.

G is a shaft passing through the ratchet wheel L and on which is also placed the  
35 crank T.

H H are cross guides for guiding the follower.

I I are guide posts in the metal box K.

J J are press bars.

40 K is a metal box with the flanges R R.

L is a ratchet wheel by which the follower is made to move by means of the lever F the catch *m* and crank T.

*m* is a catch.

45 *n* is a dog.

O is a key for holding the guide posts I I and forming also a recess between the guide posts I I so as to allow the movement of the press bars J J to have their bearing on or  
50 near the bottom of the metal box K.

Q is a spring bed piece.

P P are spring fingers.

R R are points of the metal box K with flanges for holding permanently in their  
55 places the guide posts I I.

S S are grooves in the guide posts I I to

receive the flanges R R and which prevent them from slipping out of the metal box K.

T is a crank.

The construction of my cheese press for  
60 the purpose of pressing cheese and also for general purposes is so simple in its arrangement that any person at all skilled in mechanism could make it, and it is also very durable, it being made all that is subject to  
65 wear out of cast and wrought iron.

The metal box K, and guide posts I I and key O in connection with the spring bed piece Q and spring fingers P P are good features of my press.  
70

The peculiar advantage of the mode I construct the follower by combining in the metal box K the guide posts I I and key O when the guide posts I I are provided with the grooves S S by which means the guide  
75 posts I I are held as when they are placed in each end of the box K and the key O is forced or driven down between the posts I I presses them outward and forces the flanges R R into the grooves S S, thus  
80 dispensing with the use of screws and nuts or bolts and making consequently a cheaper and in a more durable manner or manufacturing a follower which it is desirable and always necessary should be made very  
85 firm in order to answer a substantial purpose.

The arrangement of the spring fingers P P and spring bed piece Q for suspending the follower when it is desirable to do so  
90 by placing any article in the press to be pressed or for the purposes of removing the same is so much of a desideratum in presses that any person at all in the habit of using presses would readily see its practical ad-  
95 vantages and uses as much time will be saved by its general adoption. It is brought into requisition or made to operate by placing the hand upon the lever F and operating it in an up and down manner or move-  
100 ment in connection with the ratchet wheel L catch *m* dog *n* and press bars J J, which gives a perpendicular movement to the follower and thus the follower in its downward inclination comes in contact with the  
105 article to be pressed and in proportion to the power applied to the lever F it may be pressed to any degree of compactness that it may be desirable to have it. The movement of the follower is reversed by placing  
110 the hand upon the crank T and reversing the crank wheel L and thus at the highest



movement of the follower that it is susceptible of being raised in passing between the guide posts I I it comes in contact with the spring bed piece Q attached to the guide posts I I. As the ratchet wheel L forms a draft from its circular form, the spring bed piece Q gives easily and the pressure readily sustains it temporarily for placing articles in or taking them out of the press. The spring fingers P P answer substantially the same purpose and consequently effect the same end but operating differently as the springs form a draft upon the opposite sides of the ratchet wheel L and thus thereby hold it by pinching or forming a side draft upon each side of the wheel thereby suspending the follower as effectually as by the spring bed piece Q.

As this mode of suspending the follower of a cheese press is self operating and as it dispenses with the use of hooks and chains and other more expensive or more

complicated contrivances its general utility or advantages will be very readily appreciated.

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

1. Attaching the one end of the press-bars (Z, z) to the bottom of the box (K) and the other end to the crank-pin on the wheel (L), as herein set forth, whereby I am enabled to shorten the movements of the follower and have an eccentrically operating press compactly arranged as herein described.

2. I claim the spring bed piece (Q) and the springs (P, P) acting upon the wheel (L) on the extreme upward movement of the follower and thus upholding the follower as herein described.

CHARLES TAYLOR.

Witnesses:

WELFORD GRAY,  
GEO. ASHLEY.