(12) **United States Patent**
Cranston or Gramton

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(54) **PRESS, LEVER, PROGRESSIVE**

(76) Inventor: **Jesse Cranston or Gramton**

Jesse Cranston.

Letters Patent.

The schedule referred to in these Letters Patent and making part of the same containing a description in the words of the said Jesse Cranston himself of his improvement in the Press.

I construct a frame either of iron or wood consisting of three pieces or sides framed together, between the cap pieces of the shaft is which the cams are attached, the shaft crosses the frame with the cap pieces & the shaft is to contain either two or four cams, when the shaft contains but two cams, they are placed near the center of the shaft on each side a double rack which is attached to the follower, in the center when the shaft contains four cams they are placed near each end of the shaft & pinions or double racks, three on each end of the followers, the cams are raised on the shaft on opposite sides so that when one cam is off the rack or recess as when two cap pieces are down, the accompanied remained in recess there are sliding blocks with friction rollers; connected with these blocks are double hinge springs, with springs or weights to draw them into the racks which contains the pressure downwards

These blocks are to be raised alternately by sharp projecting cams which strike passing over the cams on the shaft

The press contains either two or four double racks which are placed either in the center of the press or on each end of the followers, the followers contains either two or four friction rollers which the racks if required.

The press operates either with a wheel or lever attached to the iron shaft either at one or both ends, the followers and racks are drawn up by a rod chain or straps attached to the shaft, the cams are to be released either by a hinge or a slide bolt placed on the inner side of the cap.

The parts I claim as my invention are those which cause the continuance of pressure, which is the application of the racks and sliding blocks to the

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cam press. This machine I intend to apply to the following articles, to wit, books, paper, cotton, hay, apples, cheese, tobacco, rags, flour, meal &c also for pulling, paper making, stamping, castor oil &c

Witness

Levi H. Crampton

Henry C. Crampton

Jesse Crampton