

W. H. CRABTREE.
WINE PRESS.
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1,011,921.

Patented Dec. 19, 1911.

Fig. 1.

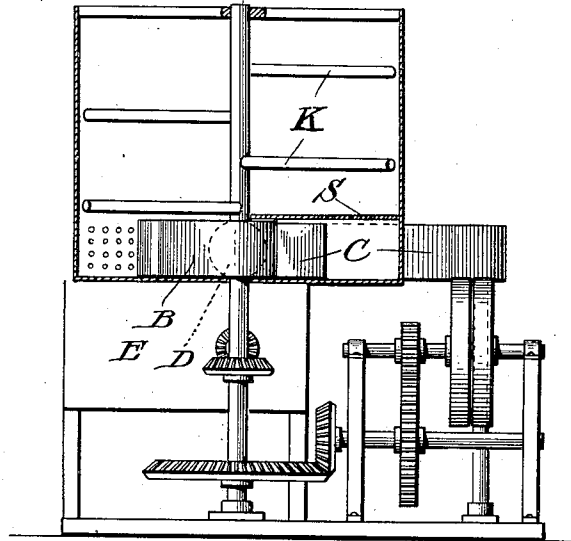
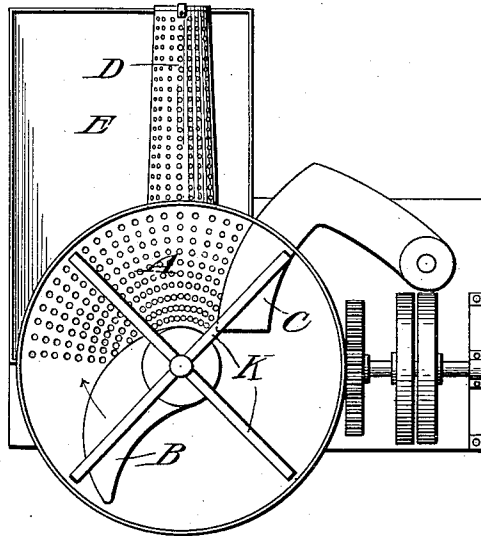


Fig. 2.



Witnesses:
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UNITED STATES PATENT OFFICE.

WILLIAM H. CRABTREE, OF NEAR UPLAND, CALIFORNIA.

WINE-PRESS.

1,011,921.

Specification of Letters Patent.

Patented Dec. 19, 1911.

Application filed December 15, 1910. Serial No. 597,586.

To all whom it may concern:

Be it known that I, WILLIAM H. CRABTREE, a citizen of the United States, residing two miles from Upland, in the county of San Bernardino, State of California, have invented a new and useful Wine-Press, of which the following is a specification.

My invention relates to an improvement in a continuous wine press of a circular and horizontal nature, the object of which is to press the juice or wine from grape pomace. I attain this object by the mechanism illustrated in the accompanying drawing, in which—

Figure 1 is an elevation, a part being shown in section. Fig. 2 is a plan view.

A detailed description follows:

The circular upper chamber of Fig. 1 receives the grape pomace which is agitated by revolving knives K. That portion, or half of the circular press, directly over the center of the revolving ram, B, and the check-arm, C, is covered by a sheet of steel S allowing the pomace to fall into the press only after revolving ram, B, has removed the previous portion. The revolving ram, B, is keyed on the same perpendicular shaft on which are the agitators K. The ram, B, pushes the pomace around against the check-arm, C, shown in Fig. 2, the latter being keyed on a separate shaft outside of the press, the said check-arm, C, moving in and out of the press with each revolution of

the ram, B. In the bottom and side of the press are perforations, A. The pomace pushed around against the check-arm, C, enters the circular tapered tube, D, in which are also perforations. The slightly tapered tube, D, is thus filled with pomace, which is compressed toward its delivery end, the juice flows from said perforations into the reservoir, E; the pomace begins to get hard and dry and packs in the tapered tube, D. To allow the ram, B, to complete the revolution the check-arm, C, moves outward, the ram, B, passes it and takes up another charge of pomace, and here is where the great additional pressure begins; the dry pomace is being ejected, and that remaining in the tapered tube, D, is now packed tight and offers the resistance to the pomace which follows.

I claim for my patent:

In an expressing machine the combination of a tank having a partially perforated side and bottom and openings in its side, a shaft having agitators thereon located in the tank, a ram also located on said shaft, a check-arm working through one of the openings in the side of the tank, and a tapered tube fixed in another opening in the side of tank, all as substantially set forth.

WILLIAM H. CRABTREE.

Witnesses:

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A. H. LAWRENCE.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."