

W. L. WATERS.
ORE-CRUSHER.

No. 173,246.

Patented Feb. 8, 1876.

Fig. 1

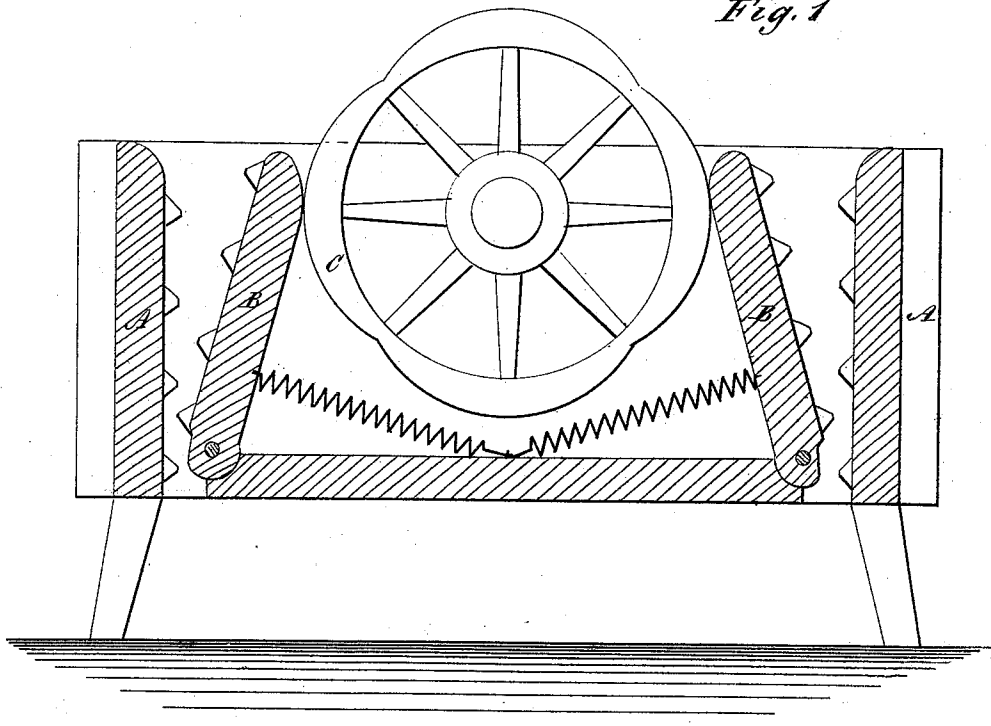
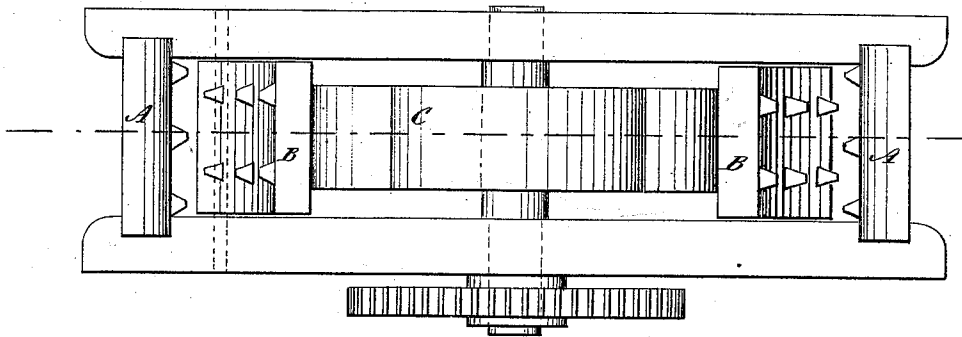


Fig. 2



WITNESSES:

C. Nereux
Alex F. Roberts

INVENTOR:

W. L. Waters
BY *mmu*
ATTORNEYS.

UNITED STATES PATENT OFFICE,

WILSON L. WATERS, OF WATERTOWN, TENNESSEE.

IMPROVEMENT IN ORE-CRUSHERS.

Specification forming part of Letters Patent No. **173,246**, dated February 8, 1876; application filed December 4, 1875.

To all whom it may concern:

Be it known that I, WILSON L. WATERS, of Watertown, Wilson county, Tennessee, have invented a new and Improved Ore-Crusher, of which the following is a specification:

My invention relates to certain improvements in stone or ore crushers, having two sets of jaws and two crushing-chambers. It consists in the combination, with two interior movable jaws, of a wheel located between the same, and having diametrical cams, or their equivalents, whereby the strain upon the wheel-shaft is neutralized by making the working strain simultaneous upon opposite sides of the wheel.

Figure 1 is a longitudinal sectional elevation of my improved machine, taken on line *x x*, Fig. 2; and Fig. 2 is a plan view.

Similar letters of reference indicate corresponding parts.

A and B represent two pairs of crushing-

jaws, and C the cam-wheel for working the movable jaws, the wheel being so arranged between the movable jaws that it works them simultaneously and encounters the resistances, so that they balance each other, and thus relieve the journals of the wheel, so that it works easier, and thus economizes power and wear.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

In a stone or ore crusher, having two sets of jaws and two crushing-chambers, the combination, with the interior movable jaws B, of the wheel C, located between the same, and having diametrical cams, substantially as and for the purpose described.

WILSON LAWRENCE WATERS.

Witnesses:

JOURNAL BRYAN,
I. M. VAUGHT.