

Aug. 19, 1924.

A. COTÉ

1,505,867

BRICK CLEANING MACHINE

Filed Oct. 4, 1923

3 Sheets-Sheet 1

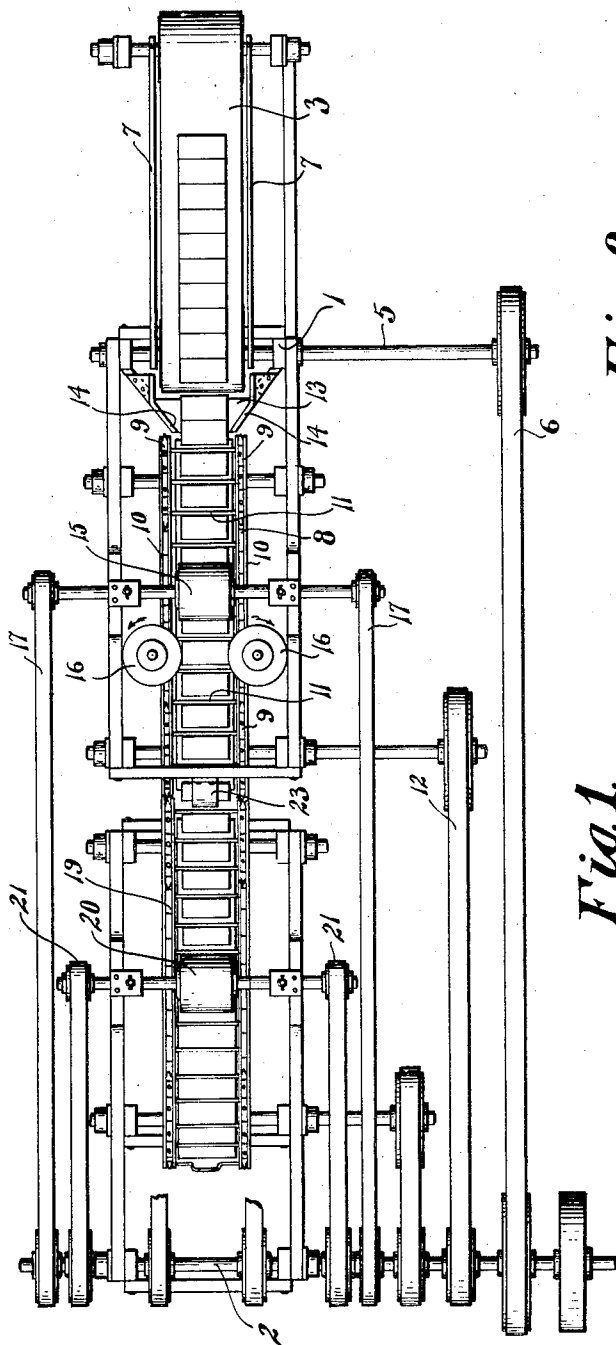


Fig. 1.

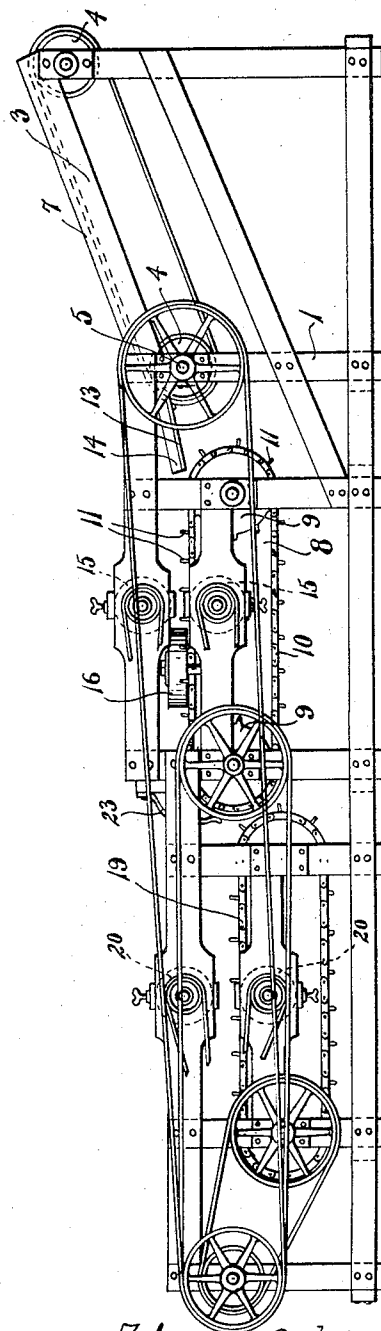


Fig. 2.

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WITNESS:

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3 Sheets-Sheet 2

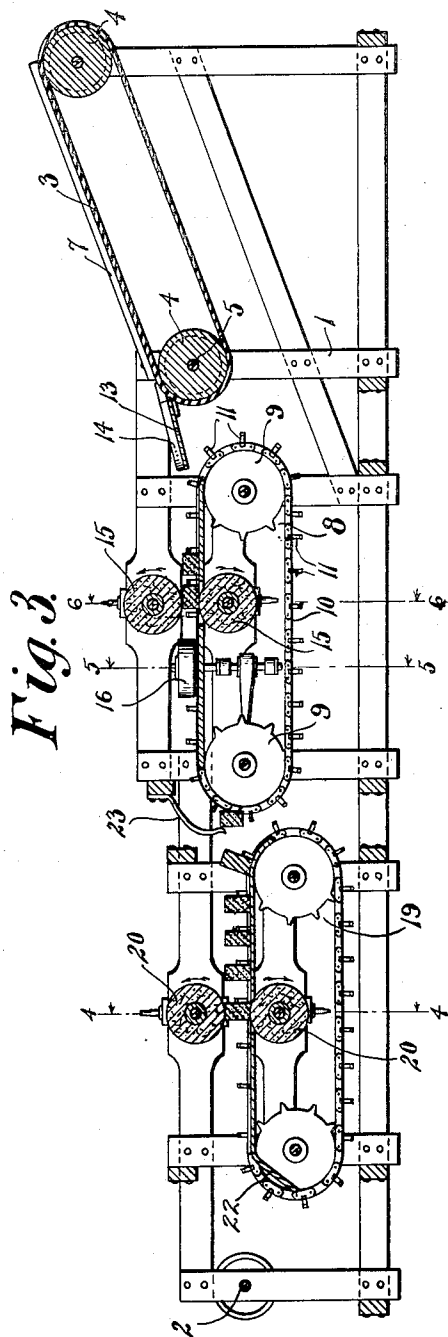


Fig. 3.

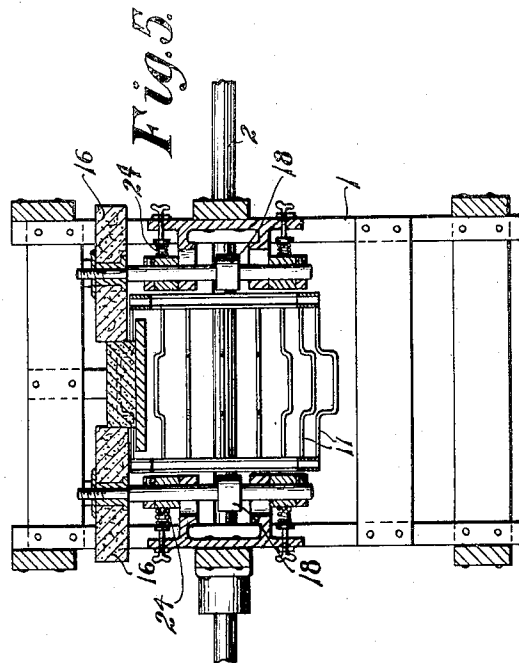


Fig. 5.

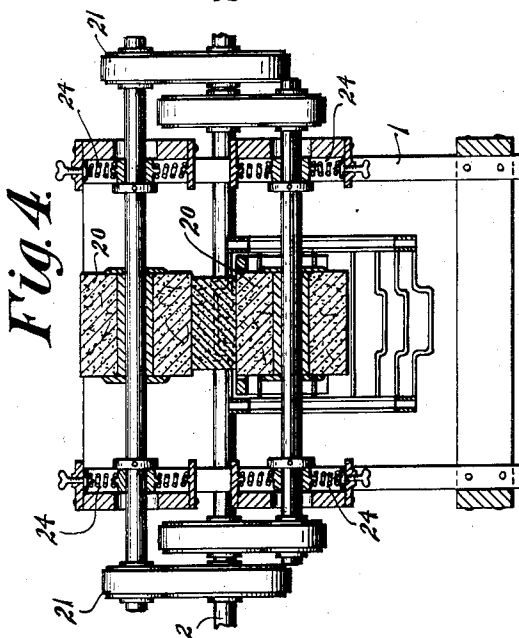


Fig. 4.

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3 Sheets-Sheet 3

Fig. 6.

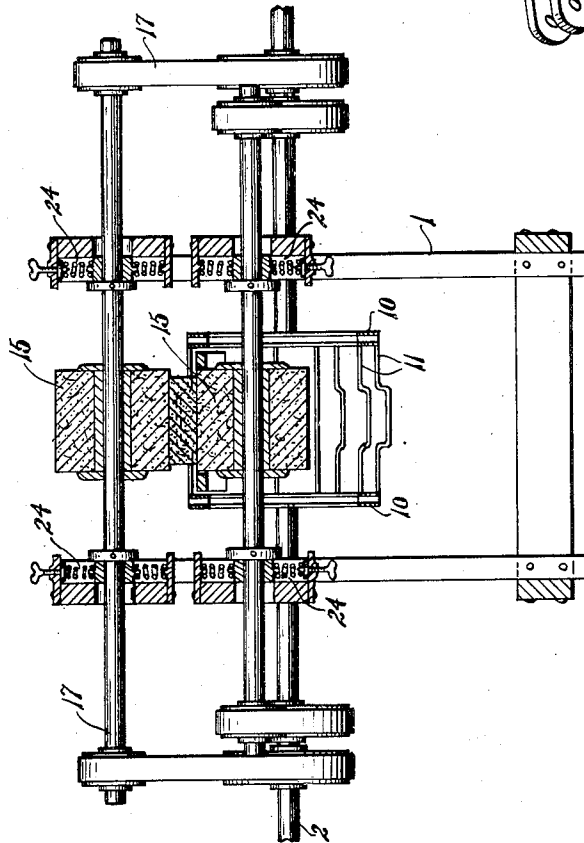
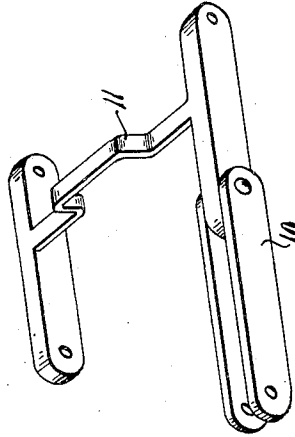


Fig. 7.



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UNITED STATES PATENT OFFICE.

ADRIEN COTÉ, OF FRANKLIN, MASSACHUSETTS.

BRICK-CLEANING MACHINE.

Application filed October 4, 1923. Serial No. 666,639.

To all whom it may concern:

Be it known that I, ADRIEN COTÉ, a citizen of the United States, residing at Franklin, in the county of Norfolk and State of Massachusetts, have invented new and useful Improvements in Brick-Cleaning Machines, of which the following is a specification.

This invention relates to a machine for cleaning bricks, the general object of the invention being to provide means for bringing all sides of the brick against cleaning members as the brick travels from one point to another.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawings and specifically pointed out in the appended claims.

In describing my invention in detail, reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in which:—

Figure 1 is a plan view of the invention.

Figure 2 is a side view thereof.

Figure 3 is a longitudinal sectional view.

Figure 4 is a section on line 4—4 of Figure 3.

Figure 5 is a section on line 5—5 of Figure 3.

Figure 6 is a section on line 6—6 of Figure 3.

Figure 7 is a detail view showing the construction of the conveyor chains.

In these views, 1 indicates a supporting framework in which the various shafts are journaled, 2 being the main shaft which is driven from any suitable source of power. An inclined conveyor 3 is arranged at the front end of the framework, the belt of which travels over the pulleys 4, one of which is arranged on the shaft 5 which is belted to the main shaft 2, as shown at 6. Guards 7 are arranged at the sides of the conveyor for preventing the bricks from falling off the same. A conveyor 8, consisting of two pairs of sprockets 9 and a pair of endless chains 10, connected together by the cross bars 11, is driven from the main shaft, as shown at 12, and the bricks are

deposited between the bars 11 of this conveyor by the bridge 13 which receives the bricks from the conveyor 3, the bridge being provided with the guards 14. Upper and lower grinding rolls 15 operate upon the tops and bottoms of the bricks, as they are moved along by the conveyor end and after leaving these rolls the ends of the bricks are engaged by the grinding rolls 16. The rolls 15 are actuated from the main shaft, as shown at 17, and the rolls 16 are actuated from the main shaft, as shown at 18. A conveyor 19, of the same construction as the conveyor 8, receives the bricks from said conveyor 8 and these conveyors are so arranged in relation to each other that the bricks will be turned upon the sides as they pass from one conveyor to the other so that these sides will be operated upon by the grinding rolls 20 which are actuated from the main shaft, as shown at 21. The bricks will pass from the conveyor 19 down the incline 22. A spring 23 is arranged between the conveyors 8 and 19, for insuring the proper turning movement of the bricks when passing from one conveyor to the other. The grinding rolls are provided with spring bars, as shown at 24, so that they will yieldingly engage the bricks and thus thoroughly clean the same.

From the foregoing it will be seen that all parts of the bricks are engaged by the grinding rolls as the bricks travel through the machine so that they are cleaned of all foreign matter. Either belts or chains may be used for imparting the movement of the main shaft to the other shafts.

It is thought from the foregoing description that the advantages and novel features of my invention will be readily apparent.

I desire it to be understood that I may make changes in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claim.

What I claim is:—

An apparatus of the class described comprising a supporting framework, an inclined feed conveyor supported thereby, a second conveyor supported thereby having brick engaging projections thereon, a bridge for causing the bricks to pass from the first conveyor to the second conveyor, two sets

of grinding rolls associated with the second conveyor for cleaning the tops and bottoms and ends of bricks, a third conveyor having brick engaging projections thereon arranged below the plane of the second conveyor so that the bricks passing from one conveyor in the same vertical plane to the other will turn and grinding rolls associated with the third conveyor for cleaning the side edges of the bricks. 10

In testimony whereof I affix my signature.

ADRIEN COTÉ.