W. C. KOCH.

METHOD OF ORNAMENTALLY ROUGHENING BRICKS.

APPLICATION FILED OCT. 9, 1915.

1,234,098.

Patented July 17, 1917.

2 SHEETS—SHEET 1.

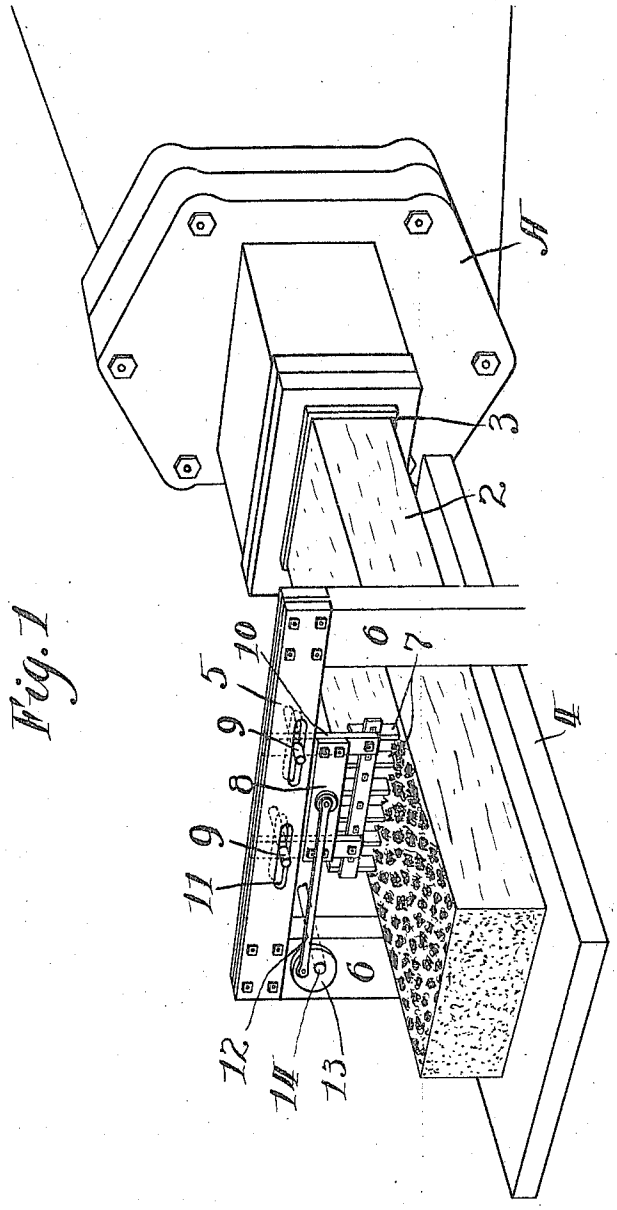


Fig. 1

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2 SHEETS—SHEET 2.

Fig. 2

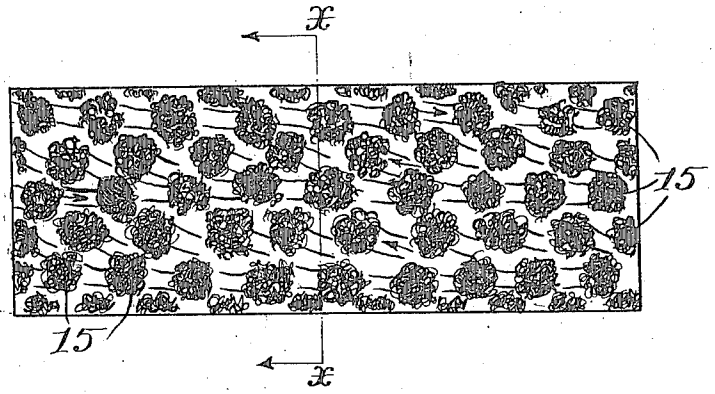
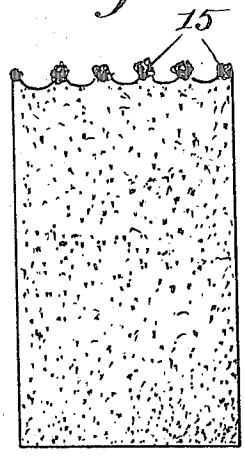


Fig. 3



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UNITED STATES PATENT OFFICE.

WILLIAM C. KOCH, OF ST. PAUL, MINNESOTA.

METHOD OF ORNAMENTALLY ROUGHENING BRICKS.

1,234,098. Specification of Letters Patent. Patented July 17, 1917.

Application filed October 9, 1915. Serial No. 54,955.

To all whom it may concern:

Be it known that I, WILLIAM C. KOCH, a citizen of the United States, residing at St. Paul, in the county of Ramsey and State of Minnesota, have invented certain new and useful Improvements in Methods of Ornamentally Roughening Bricks, of which the following is a specification.

My invention relates to improvements in means and method for treating the faces of bricks to bring about an irregular roughened or slap dash effect. In carrying out my improved method I carry the brick past a series of reciprocating blades or scrapers so arranged and positioned as to throw up a plurality of irregularly disposed roughened rosettes or jagged portions upon the face of the brick.

To this end the invention consists in the features of construction, combination, and arrangement of parts hereinafter described and claimed.

In the accompanying drawings forming part of this specification.

Figure 1 represents a perspective view of the mechanism for roughening the face of the brick;

Fig. 2 represents the face view of a brick treated with my apparatus; and

Fig. 3 is a section on line *x*—*x* of Fig. 2 showing the rough character of the rough or jagged portions formed upon the face of the brick.

Referring to the drawings, A represents the head of a machine of ordinary type employed in the brick industry for forming a brick bar 2 and shoving the same out through the mouth 3 upon the platform 4, suitable apparatus, not shown, being afterward employed for cutting the bar into bricks.

Above the platform 4 is a fixed cross bar 5 supported by uprights 6. A plurality of vertical blades 7 are secured to a bracket 8 in spaced position, said bracket having horizontally slidable support in the cross bar 5 and being supported in said cross bar by pins 9 extending through the upwardly projecting side bars 10 of the bracket and through longitudinally extending slots 11 in the cross bar. The bracket has pitman connection 12 with an eccentric 13 secured upon the shaft 14, the shaft 14 being rotated by operating means not shown. The blades 7 are relatively narrow and rectangular in cross section with the longer sides of the blades standing in line with the path of travel of the brick bar 2.

In operation, the bar or ribbon 2 formed in the ordinary manner of stiff mud is shoved out of the machine A onto the platform 4. The supporting mechanism for the blades is set in such position above the platform as to cause the blades 7 to dig into the top face of the brick bar a desired distance as the bar is pushed forwardly underneath said blades. As the brick bar is pushed underneath the blades the blades are constantly reciprocated through the mechanism shown. The result of this reciprocating movement of the blades, taking place as it does, at right angles with the travel of the brick results in throwing up an irregularly disposed plurality of rough jagged portions 15 upon the face of the brick bar. After the brick bar passes the blades 7 it may by any usual means be cut into bricks. I secure by means of the apparatus and method illustrated an irregularly roughened face to the brick which gives an appearance to the face of a wall built by the bricks somewhat similar to the rough slap dashing ordinarily employed in exterior cement work. My improved method, leaving as it does, the rough irregularly disposed jagged portions upon the face of the brick in no degree obliterated, obviates the objectionable appearance of machine work upon the face of the brick.

I claim:

1. The method of ornamenting brick to give a rough slap dash appearance to the face thereof consisting of independently scraping portions of the faces of the brick into irregularly disposed separated roughened projections.

2. The means for ornamenting brick consisting of a plurality of depending scraper blades, said blades being rectangular and elongated in cross-section, in connection with means for transversely reciprocating said blades and a means for simultaneously moving a bar from which bricks are cut in relatively soft condition past said blades in the manner and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM C. KOCH.

Witnesses:
H. S. JOHNSON,
H. SWANSON.

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