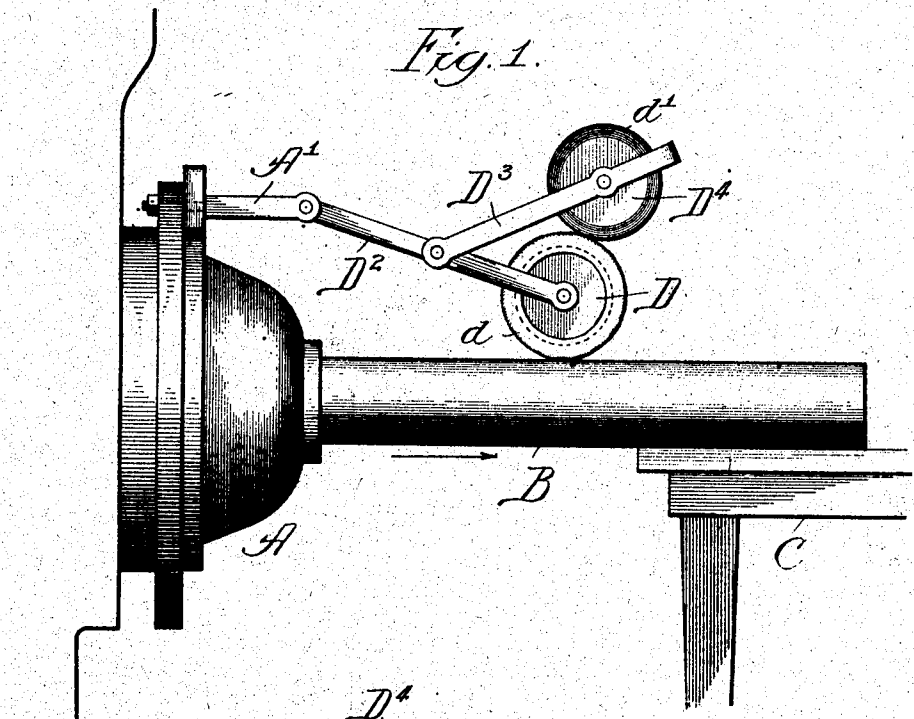
No. 815,238. PATENTED MAR. 13, 1906.

E. VON OVEN.

MARKING IMPLEMENT FOR GREEN CLAY ARTICLES.

APPLICATION FILED NOV. 13, 1905.

Fig. 1.



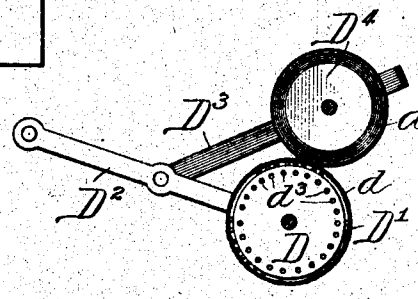
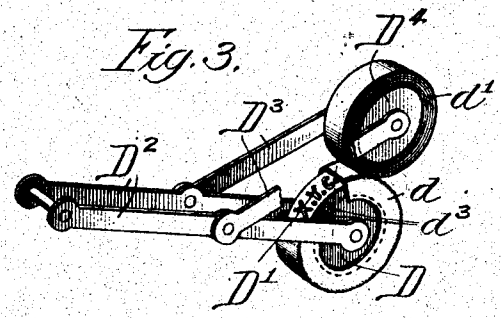


Fig. 2.

Fig. 3.



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MARKING IMPLEMENT FOR GREEN CLAY ARTICLES.

No. 815,238. Specification of Letters Patent. Patented March 13, 1906.

Application filed November 13, 1905. Serial No. 287,091.

To all whom it may concern:

Be it known that I, ERNEST VON OVEN, a citizen of the United States, residing at Naperville, in the county of Dupage and State of Illinois, have invented a new and useful Improvement in Marking Implements for Green Clay Articles, of which the following is a specification.

My invention relates more particularly to an improvement in means for marking, more especially with the name or other identifying character of the manufacturer, the surfaces of articles formed of clay while in green or plastic condition, such as tiling, brick, and the like. In the manufacture of such articles, and especially where they are produced by cutting up long lengths of the green stock formed by pressing it through a die, it has been the practice to impress lengthwise upon the clay as it emerges from the machine the stamp of the manufacturer. Heretofore this has been done by means of an impression-roller carrying on its periphery the proper legend and pressing it against the green clay as the latter emerges from the machine, the die being forced into direct contact with the plastic clay. Owing to the moist condition of the clay, the implement becomes clogged, thereby impairing its action and, besides, tending to mar the surface of the clay. The attempt has been made to counteract this difficulty through the medium of an automatically-operating brush for cleaning the implement; but the result is not satisfactory.

My primary object is to overcome these objections, and I accomplish it by providing a marking implement having its impression-surface provided with a covering of oil-absorbing cloth through which the impression is made on the clay or operating against the surface of green clay through an interposed strip of such cloth.

My invention is illustrated in the accompanying drawings, in which—

Figure 1 shows by a view in side elevation my improved marking implement in its preferred form attached to the die end of a clay-press from which clay in the form of a long tubular length is shown to be emerging, the implement being represented on the machine in position to make operative contact with the clay; Fig. 2, a vertical sectional view of the implement separate from the machine; and Fig. 3, a perspective view of the same, showing certain parts broken away to disclose otherwise covered features and illustrate the construction of the marking element of the device.

A is the die end of a clay-press of any known or suitable construction for forming clay into tubular or solid lengths. A tubular length B of clay in plastic condition is shown as emerging in the direction indicated by the arrow on Fig. 1 to be cut up into drain-tile lengths, the outer end of which is supported on a table, as C.

My improved implement comprises a wheel or roller D, having on its periphery the letters, marks, or characters D′, preferably in relief, to be impressed in the clay. The wheel D is journaled on a support or handle, shown as a pair of arms D^2, between and near the outer ends of which the roller is journaled and the opposite ends of which are pivoted to a horizontal arm A′, projecting from the discharge end of the machine to cause the roller to extend by force of gravity into the path of the clay as it emerges from the machine. Pivoted to the arms D^2 near their centers are arms D^3, carrying between them and near their outer ends an oiling wheel or roller D^4, which normally bears against the periphery of the roller D and is covered as to its periphery with a pad d' of oil-absorbing material, formed, preferably, of several windings of a strip of cotton flannel. The periphery of the roller D is provided with a comparatively loose thin strip or covering of oil-absorbing material d, such as cloth, and preferably cotton flannel, with its roughened surface outward. I prefer to attach the cloth to the roller D by sewing the edges which overlap the sides of the roller through transverse openings d^3 in the latter.

The rollers D and D^4 are rotated by contact of the marking-roller with the clay as it emerges from the machine, the roller D pressing against the clay to make the impression by gravity. As the roller D revolves the covering d, which is always interposed between the legend matter upon it and the clay, is constantly oiled from the oil-supply roller D^4, which prevents the cloth from adhering to the clay. It will be noted that while the cloth prevents the characters on the wheel from contacting directly with the clay it nevertheless permits of the making of a clear-cut impression therein through the cloth.

The gist of my invention lies in providing the oil-absorbing cover on or under the legend-bearing surface of the body of a marking implement for green clay articles whereby

the clogging referred to is avoided, and this whether the implement be in the form of a wheel automatically actuated, as shown and described, or provided with a handle for manual operation or whether it be of other suitable form, although the wheel form is preferred, and the provision for automatic oiling is an important adjunct, and its preferred form is that illustrated.

What I claim as new, and desire to secure by Letters Patent, is—

1. A marking implement for green clay articles, comprising a body provided with a legend-bearing surface, and a covering of oil-absorbing material secured to said body to extend over said surface and through which the impression is made.

2. A marking implement for green clay articles, comprising a roller carrying legend matter on its periphery and provided with a covering of oil-absorbing material secured to the roller to extend over said periphery and through which the impression is made.

3. A marking implement for green clay articles, comprising a roller carrying legend matter on its periphery and a covering of oil-absorbing cloth sewed through the roller to extend over said periphery and through which the impression is made.

4. A marking implement for green clay articles, comprising a roller carrying legend matter on its periphery and provided with a support, and an oil-absorbing covering of cotton flannel fastened to the roller to extend over said periphery and through which the impression is made.

5. A marking implement for green clay articles comprising, in combination, a roller carrying legend matter on its periphery and provided with a peripheral covering of oil-absorbing material through which the impression is made and means for automatically supplying oil to said covering.

6. A marking implement for green clay articles, comprising, in combination, a roller carrying legend matter on its periphery and provided with a support and with an oil-absorbing covering of cloth extending over said periphery and through which the impression is made, and an oiling device consisting of a roller connected with said support to engage said marking-roller and provided with an oil-absorbing pad about its periphery.

7. A marking implement for green clay articles comprising, in combination, a roller carrying legend matter on its periphery and provided with a support on which it is journaled and with a thin covering of oil-absorbing cloth extending about said periphery and through which the impression is made, and an oiling device consisting of a roller provided with an oil-absorbing pad about its periphery and a support on which said oiling-roller is journaled and which is pivotally connected with said first-named support to cause the pad of the oiling-roller to bear against the covering on the marking-roller.

8. In combination with a machine of the character described, a marking implement comprising a roller provided with legend matter on its periphery and having a covering of oil-absorbing material extending about said periphery and through which the impression is made, said roller being pivotally mounted on said machine to extend into the path of the material emerging therefrom.

9. In combination with a machine of the character described, a marking implement comprising a roller provided with legend matter on its periphery and having a thin covering of oil-absorbing cloth fastened to the roller and loosely extending about said periphery, a support for said roller, on which it is journaled, pivotally connected with said machine to suspend said roller in the path of the material emerging from said machine, and an oiling device consisting of a roller provided with an oil-absorbing pad about its periphery and a support on which said oiling-roller is journaled and which is pivotally connected with said first-named support to cause the pad of the oiling-roller to bear against the covering on the marking-roller.

10. In combination with a machine of the character described, means for marking the green clay emerging therefrom, comprising a roller provided with legend matter on its periphery and a strip of thin oil-absorbing cloth interposed between the roller-periphery and the plane through which said clay moves in so emerging.

ERNEST VON OVEN.

In presence of—
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