No. 855,633. PATENTED JUNE 4, 1907.

J. C. HERRING.

SHINGLE MOLD.

APPLICATION FILED JULY 21, 1906.

Fig. 1.

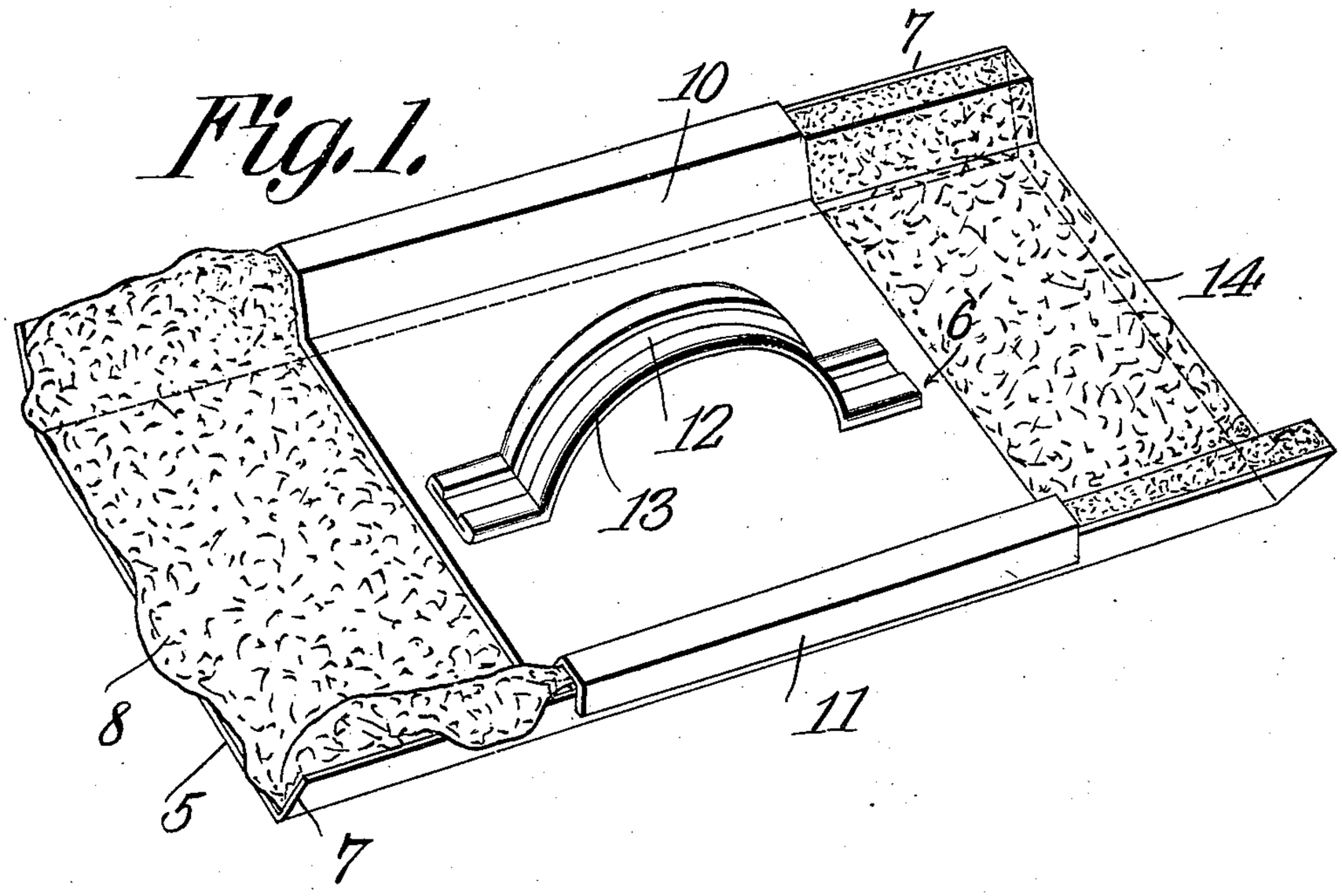
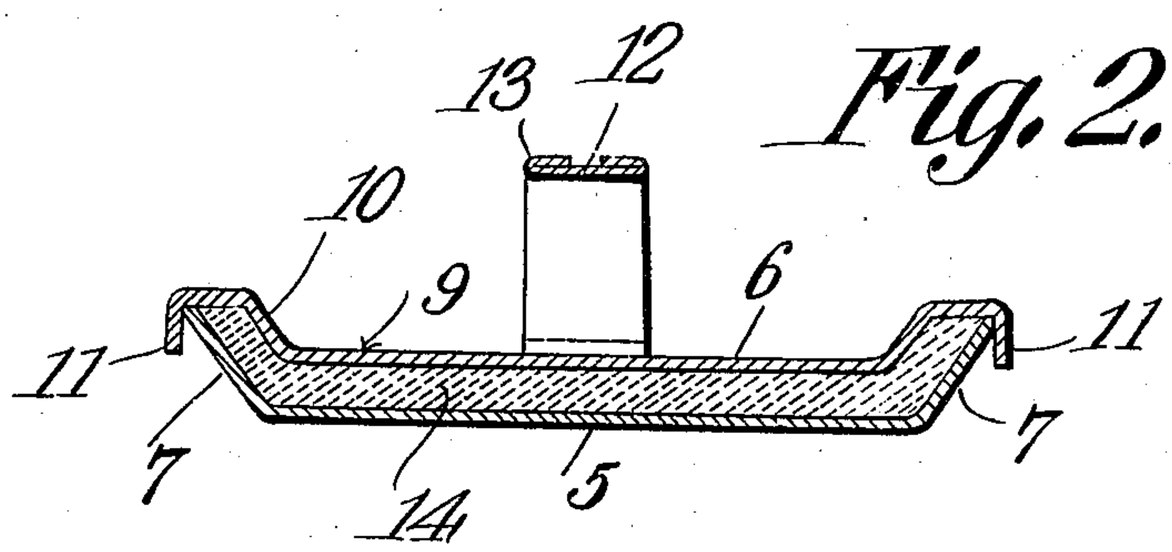


Fig. 2.



WITNESSES:

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SHINGLE-MOLD.

No. 855,633. Specification of Letters Patent. Patented June 4, 1907.

Application filed July 21, 1906. Serial No. 327,205.

To all whom it may concern:

Be it known that I, JAMES C. HERRING, a citizen of the United States, residing at Greensboro, in the county of Guilford and State of North Carolina, have invented a new and useful Shingle-Mold, of which the following is a specification.

This invention relates to molds for making shingles from cement, concrete and other plastic material and has for its object to provide a comparatively simple and inexpensive mold by means of which artificial stone shingles may be conveniently and expeditiously manufactured.

A further object of the invention is to provide a mold comprising relatively stationary and movable members one of which constitutes the body of the mold and the other a scraper or former.

A further object of the invention is to form the scraper with depending marginal flanges which engage the side walls of the stationary member and serve to guide the scraper as the latter is moved back and forth over the surface of the cement or other plastic material.

A still further object of the invention is to generally improve this class of devices so as to increase their utility, durability and efficiency as well as to reduce the cost of manufacture.

With these and other objects in view the invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, and illustrated in the accompanying drawings, it being understood that various changes in form, proportions and minor details of construction may be resorted to within the scope of the appended claims.

In the accompanying drawings forming a part of this specification: Figure 1 is a perspective view of a shingle mold constructed in accordance with my invention. Fig. 2 is a transverse sectional view of the same.

Similar numerals of reference indicate corresponding parts in all of the figures of the drawings.

The improved device comprises a relatively stationary member or body portion 5 and a movable member or scraper 6. The body portion 5 is preferably rectangular in shape, as shown, and stamped or otherwise formed from a single piece of metal, the opposite longitudinal edges of which are bent upwardly to form spaced inclined flanges 7 defining a molding chamber or compartment for the reception of the cement or other plastic material 8.

The scraper or former 6 is slidably mounted for longitudinal movement on the flanges 7 and consists of a transverse plate having its upper surface formed with a depression 9 defining inclined shoulders 10. The opposite ends of the plate at the shoulders 10 are extended in a horizontal plane and terminate in depending guide flanges 11 which bear against the inclined flanges 7 and serve to prevent accidental lateral movement of the scraper as the same is reciprocated back and forth over the surface of the cement or other material during the formation of the tile. Soldered or otherwise rigidly secured to the upper surface of the scraper 6 at the depression 9 is a centrally disposed handle 12 having its intermediate portion spaced from the plate 6 and its opposite longitudinal edges bent upon itself to provide reinforcing flanges 13 which serve to strengthen the handle and prevent the latter from cutting or otherwise injuring the hand of the operator.

The scraper 6 is approximately one-half the length of the body portion 5 while the lower face of the scraper 6 at the inclined walls 10 of the depression 9 is spaced from the adjacent surface of the stationary member 5 thereby to produce a tile 14 of uniform thickness throughout its entire length and width, as best shown in Fig. 2 of the drawings.

In operation the cement, concrete or other plastic material is introduced into the molding compartment or chamber and the scraper 6 moved back and forth over the flanges 7 thus removing the surplus cement and forming a tile or shingle having a smooth upper and lower surface. After the tile is formed the scraper 6 is removed and the tile detached from the body of the mold and placed on the drying-racks until sufficiently hard for use. If desired, however, the shingles may be placed in an oven and baked or coated or glazed in any suitable manner so as to render the same impervious to moisture.

The mold may be made in different sizes and shapes and while principally designed as a portable mold may be used with equally good results in connection with any of the approved forms of molding machines.

Having thus described the invention what is claimed is:

1. A mold comprising a base having in-

clined side walls, and a scraper slidably mounted on the longitudinal edges of the side walls and provided with depending guide flanges overhanging said walls.

2. A mold comprising an open ended body portion having a flat base and provided with inclined side walls, and a scraper slidably mounted on the side walls and spaced from the base, said scraper being provided with depending guide flanges adapted to engage said side walls.

3. A mold comprising an open ended body portion formed of a single piece of metal bent to form a flat base and upstanding inclined side walls, a scraper slidably mounted on said walls and provided with a depression defining inclined shoulders disposed parallel with the inclined walls of the body portion, said depression being spaced from the base of the body portion to form a molding compartment and a handle secured to the scraper.

4. A mold comprising an open ended body portion having a flat base and integral inclined side walls, and a scraper slidably mounted on the longitudinal edges of the side walls and provided with a depression spaced from the base and defining inclined shoulders disposed parallel with the inclined walls of the body portion and terminating in depending guide flanges, said flanges being bent at right angles to the horizontal plane of the scraper and adapted to engage said side walls.

5. A mold comprising an open ended body portion formed of a single piece of metal bent to produce a flat base and oppositely disposed up-standing inclined side walls, a scraper slidably mounted on the longitudinal edges of the side walls and of approximately one-half the length of said body portion, said scraper being provided with a handle and having its opposite ends bent downwardly to form depending guide flanges adapted to engage the side walls of the body-portion.

6. A mold comprising an open ended body portion having a flat base and provided with spaced inclined side walls, a scraper slidably mounted on the body portion and provided with a depression defining inclined shoulders disposed parallel with and spaced from the side walls of the body portion and terminating in depending guiding flanges overhanging said side walls, and a handle secured to the scraper and having its intermediate portion spaced from said scraper and its opposite longitudinal edges bent laterally to form reinforcing flanges.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

JAMES C. HERRING.

Witnesses:
WM. D. MCADOO,
M. W. STERNE.