(No Model.)

J. D. STORIE.

CORE SETTER.

No. 482,394. Patented Sept. 13, 1892.

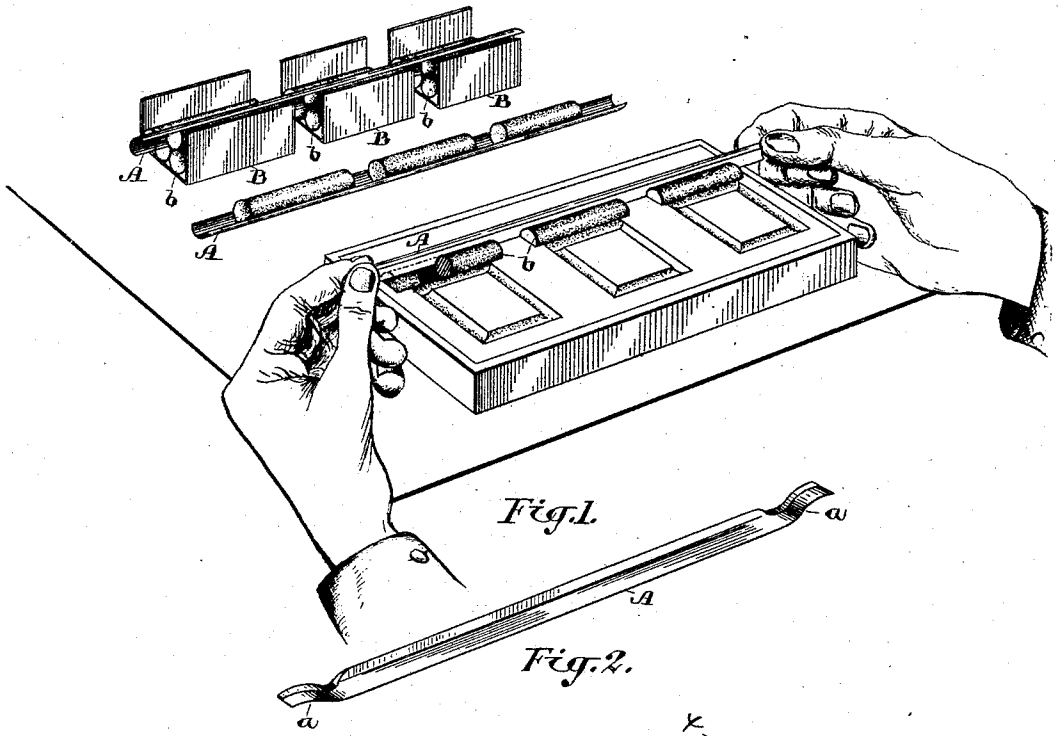


Fig. 1.

Fig. 2.

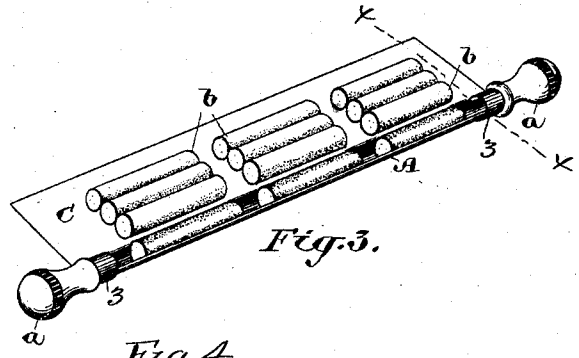
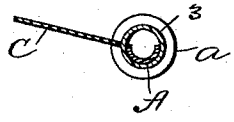


Fig. 3.

Fig. 4



Witnesses.

Lewis P. Abell.

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UNITED STATES PATENT OFFICE.

JAMES DOUGLAS STORIE, OF OSHAWA, CANADA.

CORE-SETTER.

SPECIFICATION forming part of Letters Patent No. 482,394, dated September 13, 1892.

Application filed July 18, 1891. Serial No. 399,968. (No model.)

To all whom it may concern:

Be it known that I, JAMES DOUGLAS STORIE, inventor, of the town of Oshawa, in the county of Ontario, in the Province of Ontario, Canada, have invented certain new and useful Improvements in Core-Setters, of which the following is a specification.

The object of the invention is to design an apparatus by which the cores may be placed in the core-prints rapidly and accurately.

Figure 1 is a perspective view showing my core-setter and the method of placing my cores. Fig. 2 is a view of an alternative form. Fig. 3 is a perspective view showing a corresponding form to Fig. 1 with feeding-chute attached. Fig. 4 is a sectional view on line X X of Fig. 3.

In the drawings like letters and figures of reference indicate corresponding parts in each figure.

Heretofore cores have commonly been set by holding two or three, one above the other, between the forefinger and thumb and then dropping them one by one down into a core-print. In this method, however, the upper cores, being farther away from the core-print than the lower, would frequently not be dropped into the core-print at all, and consequently when setting a number of cores a great many would have to be replaced. It is with the object of remedying this, and thereby economizing time in core-setting, that my invention is chiefly designed. In the drawings I show the molds for three chain-links and the method of lifting and depositing the core therein; but it will be understood that my device may be used for any article of manufacture in which cores are used for casting it.

A is my core-setter, which I make of any desired length. I form it in cross-section, preferably in the arc of a circle, as shown in Fig. 1.

B are bins, in which I place the cores *b* and which I place at suitable distances apart to suit the positions of the core-print. By taking hold of the setter A at both ends, as indicated in Fig. 1, I can pass it beneath the cores lying in alignment in the bins, and thereby simultaneously lift them and transfer them exactly into the core-prints simply by tilting the setter, as indicated in this figure.

In Fig. 2 I show an alternative form, in which I form the cross-section of the setter in angular form and provide handles *a*, as shown.

In Fig. 3 I show a form with handles *a*, secured on the ends of the setter A, formed as shown in Fig. 1, and a chute or hopper C, the said chute having sleeves or ferrules 3, in which the handles *a* are journaled. I do not show any guide for the cores *b;* but it will be understood that such may be provided and that the chute may be supported by the hands of the workman, so as to support a number of cores thereon, and thereby further facilitate rapidly setting the cores *b* in the core-prints. It will also be seen in this figure that upon tilting the setter to place the cores in the prints the back of the setter will form a stop to prevent any cores from falling out onto the mold.

What I claim as my invention is—

1. The combination, in a core-setter, of a bin or bins constructed to contain two or more series of cores in alignment and an elongated receptacle adapted for insertion in said bin or bins to receive a core from each series, substantially as described.

2. The herein-described method of molding, consisting in arranging two or more series of cores in alignment and at distances apart corresponding to the distance between the respective core-prints they are intended to fill and moving a core from each series at one operation and depositing these cores in the core-prints, the relative positions of the cores being maintained throughout the operation, substantially as described.

JAMES DOUGLAS STORIE.

Witnesses:

C. A. JONES,

F. E. DINGLE.