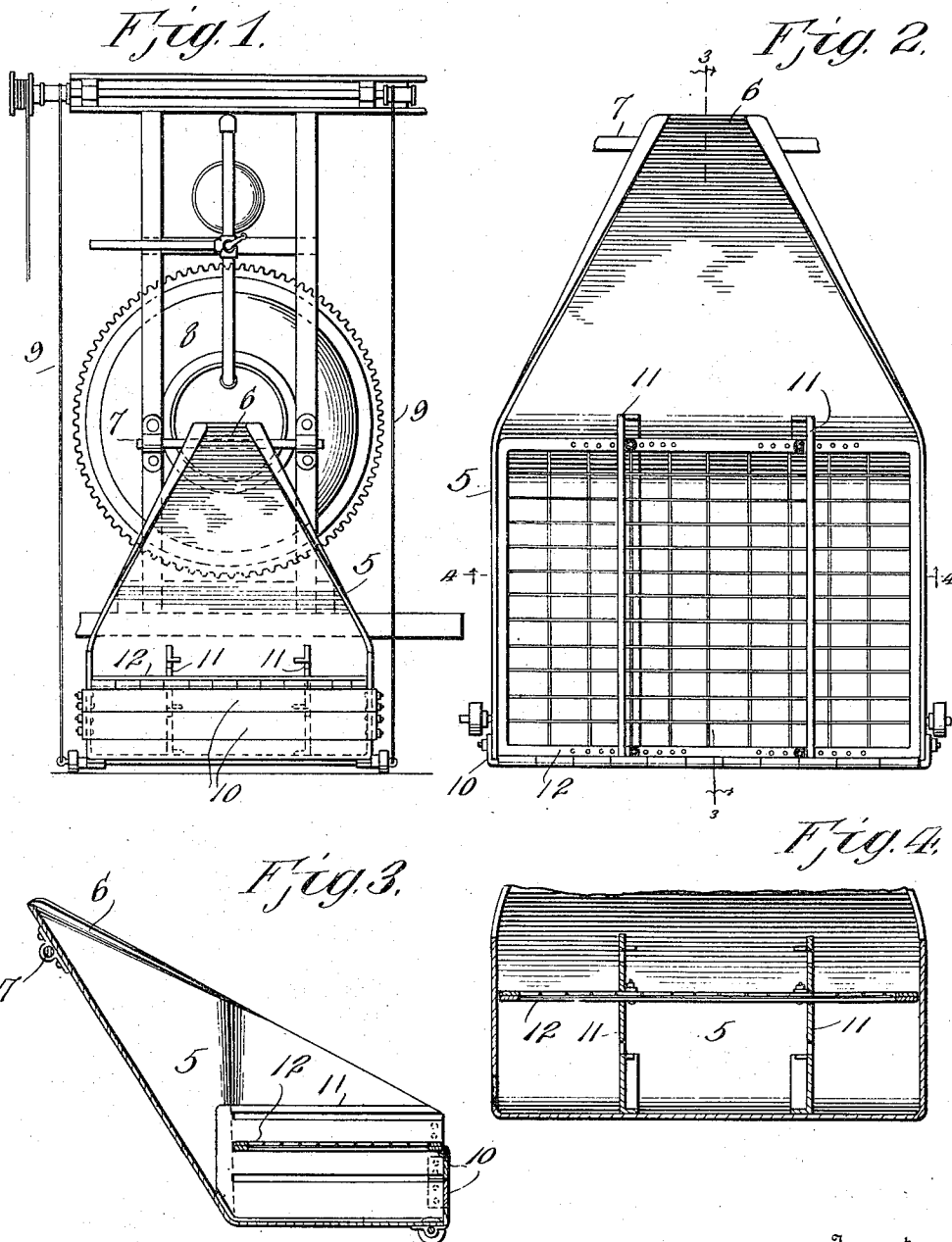


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SIDE LOADER FOR CONCRETE MIXING MACHINES.
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1,133,941.

Patented Mar. 30, 1915.



Witnesses
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UNITED STATES PATENT OFFICE.

HERBERT C. DILLIARD, OF EAST BANGOR, PENNSYLVANIA.

SIDE LOADER FOR CONCRETE-MIXING MACHINES.

1,133,941.

Specification of Letters Patent.

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Application filed May 19, 1914. Serial No. 839,574.

To all whom it may concern:

Be it known that I, HERBERT C. DILLIARD, a citizen of the United States, residing at East Bangor, in the county of Northampton and State of Pennsylvania, have invented new and useful Improvements in Side Loaders for Concrete-Mixing Machines, of which the following is a specification.

The invention relates to a side loader for a concrete mixing machine.

The primary object of the invention is the provision of a loader of this character wherein the ingredients can be gaged by the operator so that the required amount of each ingredient will be delivered to the mixture, thus expediting the handling of the charges of material in a convenient manner.

Another object of the invention is the provision of a loader of this character which is of novel form so that the proper proportioning of the ingredients for the making of concrete can be successfully performed, thereby insuring a higher grade of concrete delivered by the mixer.

A further object of the invention is the provision of a loader of this character which is simple in construction, thoroughly reliable and efficient in operation, and inexpensive in manufacture.

With these and other objects in view, the invention consists in the construction, combination and arrangement of parts as will be hereinafter fully described, illustrated in the accompanying drawing, and pointed out in the claims hereunto appended.

In the drawing:—Figure 1 is a front elevation of a loader constructed in accordance with the invention, showing its relative position with respect to the mixing drum of the concrete mixer. Fig. 2 is a top plan view of the loader. Fig. 3 is a sectional view on the line 3—3 of Fig. 2. Fig. 4 is a sectional view on the line 4—4 of Fig. 2.

Similar reference characters indicate corresponding parts throughout the several views in the drawing.

Referring to the drawing in detail, the loader comprises a scoop-shaped body 5 preferably made from sheet metal, and tapered toward the discharge end thereof to form a pouring spout 6 as usual, the body 5 being swingingly supported upon a rocking shaft 7 which is journaled in the frame of the concrete mixer so that on the raising of the body 5 of the loader its contents can be

dumped into the mixing drum 8 of the machine, the body 5 being raised by the lifting cables 9 connected thereto and under the control of the mechanism of the concrete mixer. The outer end of the body 5 carries a series of flaps 10 which are detachably connected thereto in any suitable manner and serve to make up the end wall of the body 5. These flaps 10 are readily removable to vary the capacity of the body 5 of the loader.

Arranged within the loader and extending from the front wall or outer end thereof are vertical partitions 11 which form independent spaces for receiving the ingredients delivered to the loader for the making of concrete, the partitions being of a length to have the spaces therebetween communicate with each other toward the pouring spout end of the said body 5 so that when the loader is raised the materials will freely come together for the deposit thereof within the drum 8 of the mixing machine.

Covering a portion of the open top of the body 5 is a wire mesh frame 12 which is removable therefrom or suitably hinged thereto, and this frame is employed to permit the leveling of the ingredients when placed within the body 5 of the loader.

From the foregoing it is thought that the construction and manner of operation of the device will be clearly understood, and therefore a more extended explanation has been omitted.

What is claimed is:—

1. A loader comprising a scoop-shaped body having a sectional wall at its filling end, a pouring spout at the opposite end thereof, and partitions arranged within the body to form independent compartments communicating with each other in the direction of the pouring spout end.

2. A loader comprising a scoop-shaped body having a sectional wall at its filling end, a pouring spout at the opposite end thereof, partitions arranged within the body to form independent compartments communicating with each other in the direction of the pouring spout end, and a grate frame arranged at the open top of the body.

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

HERBERT C. DILLIARD.

Witnesses:

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