G. C. WALKER.

FLOAT FOR CONCRETE.

APPLICATION FILED SEPT. 8, 1916.

1,234,984. Patented July 31, 1917.

Fig. 1.

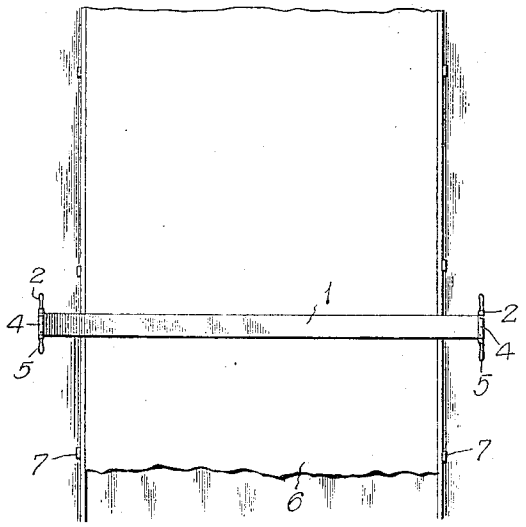


Fig. 2.

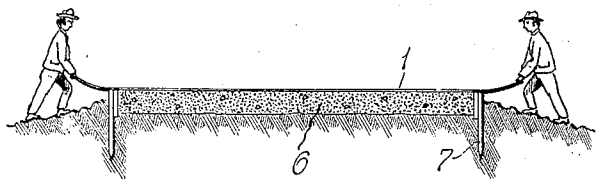


Fig. 3.

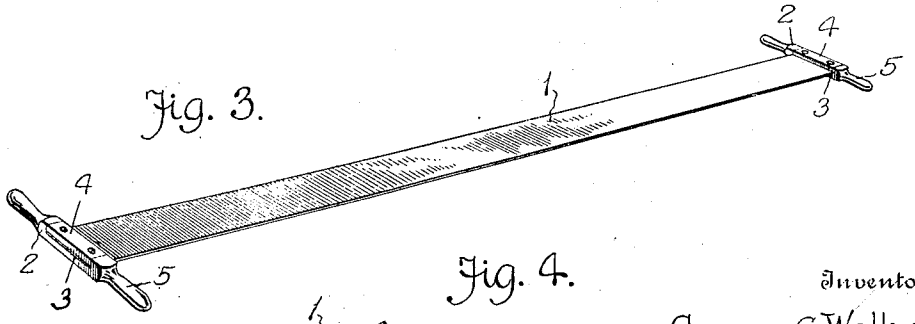


Fig. 4.



Witness

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UNITED STATES PATENT OFFICE.

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FLOAT FOR CONCRETE.

1,234,984. Specification of Letters Patent. Patented July 31, 1917.

Application filed September 8, 1916. Serial No. 119,001.

To all whom it may concern:

Be it known that I, GEORGE C. WALKER, a citizen of the United States of America, residing at Wayne, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Floats for Concrete, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to a floating device for concrete, and more particularly to a road or pavement surfacing device that can be advantageously used in the construction of concrete roads and pavements.

The object of my invention is to provide a simple, durable and inexpensive device of the above type that may be easily manipulated to float, shift, and work sand, gravel and cementitious material in the surface of a road or pavement.

The device is adapted to be reciprocated transversely of a road or pavement bed and gradually advanced over the surface thereof to level and smooth the surface between the temporary retaining side boards or mold walls.

The detail construction of the device and the advantages derived by its use will hereinafter appear, and reference will now be had to the drawing, wherein

Figure 1 is a plan of the device as used on a road;

Fig. 2 is a cross sectional view of a road illustrating the manner of using the device;

Fig. 3 is a perspective view of the device, and

Fig. 4 is a cross sectional view of the same.

The device comprises a strap 1 that may be made of a piece of flexible and pliable belting or other strong and durable material. Attached to the ends of the strap 1 are handle bars 2, said handle bars being recessed, as at 3, to receive the ends of the strap, which are held by detachable plates or clamps 4. The handle bars 2 have hand grips 5 by which the device is carried and manipulated.

In Figs. 1, 2 and 4 there are illustrated portions of a road and after preparing the road bed it is the usual practice to provide side retaining boards or mold members 7 between which concrete is placed to form a road body and surface. Before the concrete becomes indurate and after it has been leveled off with the usual implements, my device is employed for surfacing and further leveling the concrete and is manipulated by two or more workmen. By allowing the device to lie flat upon the road and shifting it back and forth, somewhat in a zig zag manner, and at the same time gradually advancing the device, the surface of the concrete is worked over to that extent as to remove irregularities and protuberances, which are worked into the surface of the road. As shown in Fig. 4, the forward longitudinal edge of the strap may collect and serve to feed cementitious material under the strap to be eventually embedded in the surface of the road. If a pebble or piece of gravel is encountered that cannot be worked into the road surface at one particular point, it may be carried along by the forward edge of the belt until a place is reached, where by the action of the reciprocating belt it will become embedded.

In actually using the device in road building, I have found that the weight of the strap is sufficient to force the coarse materials downward causing finer cementitious materials and moisture to rise and it is these finer materials that are worked over by the strap until a smooth and uninterrupted surface is formed upon the road body.

What I claim is:—

1. As a new article of manufacture, a road surfacing strap having provision at the ends thereof so that said strap may be manipulated upon the surface of the road.

2. A road surfacing device comprising a flat pliable strap, and handle bars at the ends thereof.

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

GEORGE C. WALKER.

Witnesses:
G. E. MCGRANN,
K. H. BUTLER.