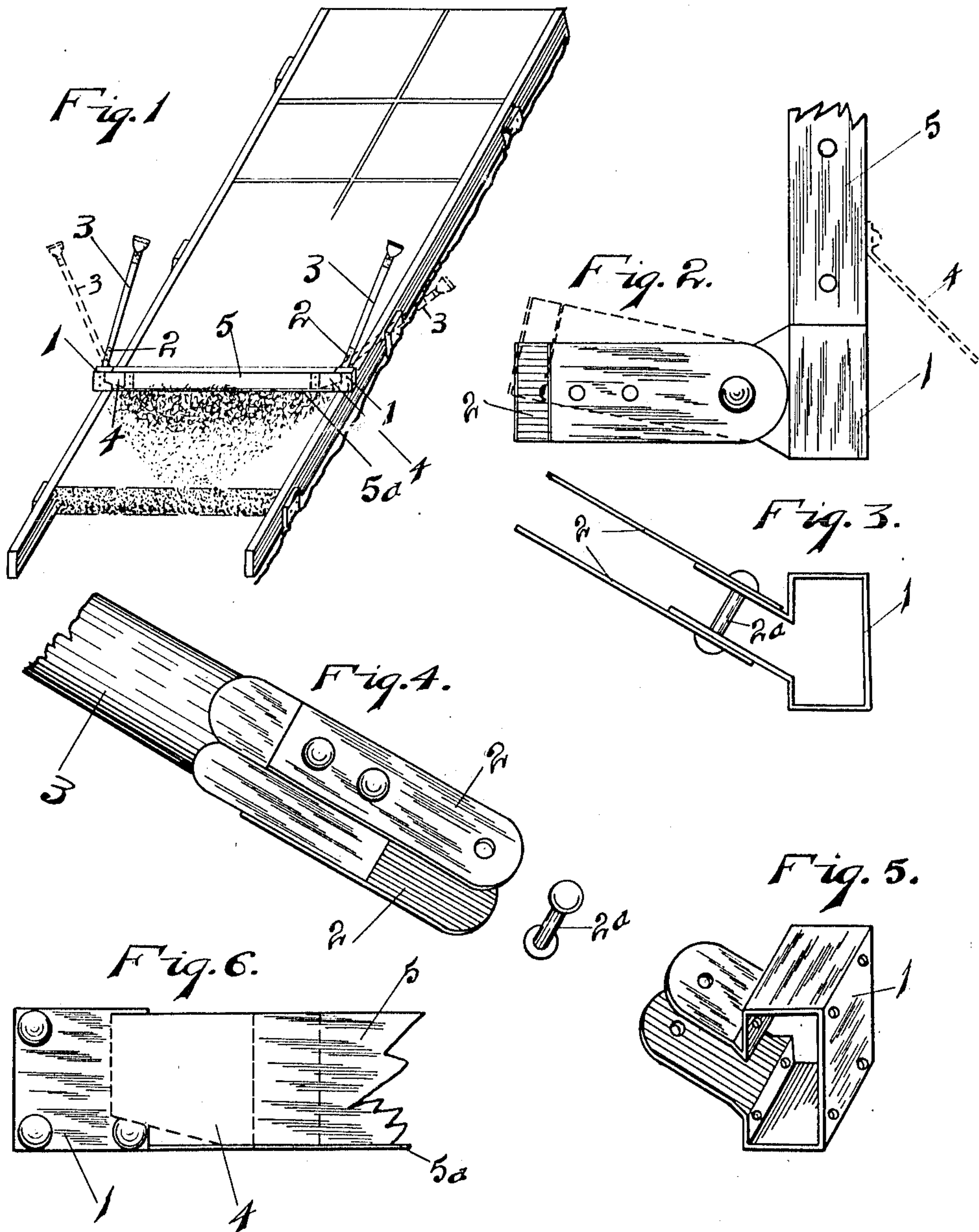


J. R. GORDEN.  
 DEVICE FOR RODING OFF CEMENT AND CONCRETE SURFACES.  
 APPLICATION FILED MAY 15, 1909.

947,469.

Patented Jan. 25, 1910.



Witnesses  
 Jean H. Knox  
 Bertha May

Inventor  
 JAMES R. GORDEN.  
 Attorney  
 Thomas Bilyeu



# UNITED STATES PATENT OFFICE.

JAMES R. GORDEN, OF PORTLAND, OREGON.

DEVICE FOR RODING OFF CEMENT AND CONCRETE SURFACES.

947,469.

Specification of Letters Patent.

Patented Jan. 25, 1910.

Application filed May 15, 1909. Serial No. 496,141.

*To all whom it may concern:*

Be it known that I, JAMES R. GORDEN, a citizen of the United States, residing at Portland, in the county of Multnomah and State of Oregon, have invented a new and useful Device for Roding Off Cement and Concrete Surfaces, for which the following is a specification.

My invention comprises primarily a stiff member made either of wood or metal, its bottom surface forming a straight line and having on either end a suitable means for connecting a handle for operating the same, said handle being hinged so as to move in a plane inclined to the horizontal but not in a vertical plane. The device is to be used primarily for making a smooth surface on concrete side-walks.

The usual process of making concrete side-walks is to place and tamp the concrete in a semi-liquid form between two guides one on either side of the walk to be made, and in order to secure a true surface in alinement, it is necessary to smooth off the top of the same by pulling the straight edge across the same. This necessitates the operators to be in a crouched position and therefore working at a disadvantage. By the use of the device herewith illustrated, the same may be accomplished by the operators standing in an upright position, with one on each side. I attain this object by the mechanism illustrated in the accompanying drawings in which—

Figure 1 shows the device being used for roding off the concrete in side walk construction, illustrating the movement of the handles placed on either end of the bar and the relative movement of the same. Fig. 2 is a detail view of one end showing how the handle is attached thereto. Fig. 3 is an end view of the attaching device removed. Fig. 4 shows a handle attached. Fig. 5 is a perspective view of the device for attaching the handle to the end of the roding member. Fig. 6 is a view in front elevation of one end of the roding member.

Similar reference characters refer to similar parts throughout the several views.

1 is the bracket which is secured to the roding member 5.

2 are plates attached to the handle and which in turn are made to oscillate about the outer end of the pin 2<sup>a</sup>.

3 is a handle, one of which is secured to each end of the roding member. When it is desired to put on the finishing coat on the top of a cement or concrete surface, a thin mixture is used and to hold the same in position and to keep it from running over the sides, an auxiliary bracket 4 is placed on 5, opposite the handles. This is shown in dotted position in Figs. 2 and 6.

5 is the roding or stiff member and when the same is made of a soft material another member is placed on its lower side 5<sup>a</sup>, which prevents undue wearing of the lower surface of the same.

Having thus described my invention, I wish to make the following claim therefor:

In a device of the character set forth, the combination with a straight rigid roding member, of a bracket embracing each end of said member, each bracket comprising a pair of spaced parallel ears projecting forwardly at an inclination from one side thereof, a handle pivotally secured between said ears and adapted to swing laterally, and move in an inclined plane, and an auxiliary resilient overflow guard secured to each end of the roding member on the side thereof opposite the aforesaid bracket ears, as and for the purpose set forth.

Having thus described my invention and in testimony that I claim the foregoing as my own, I herewith attach my signature in the presence of two witnesses.

JAMES R. GORDEN.

Witnesses:

JEAN H. KNOX,  
BERTHA MAY.