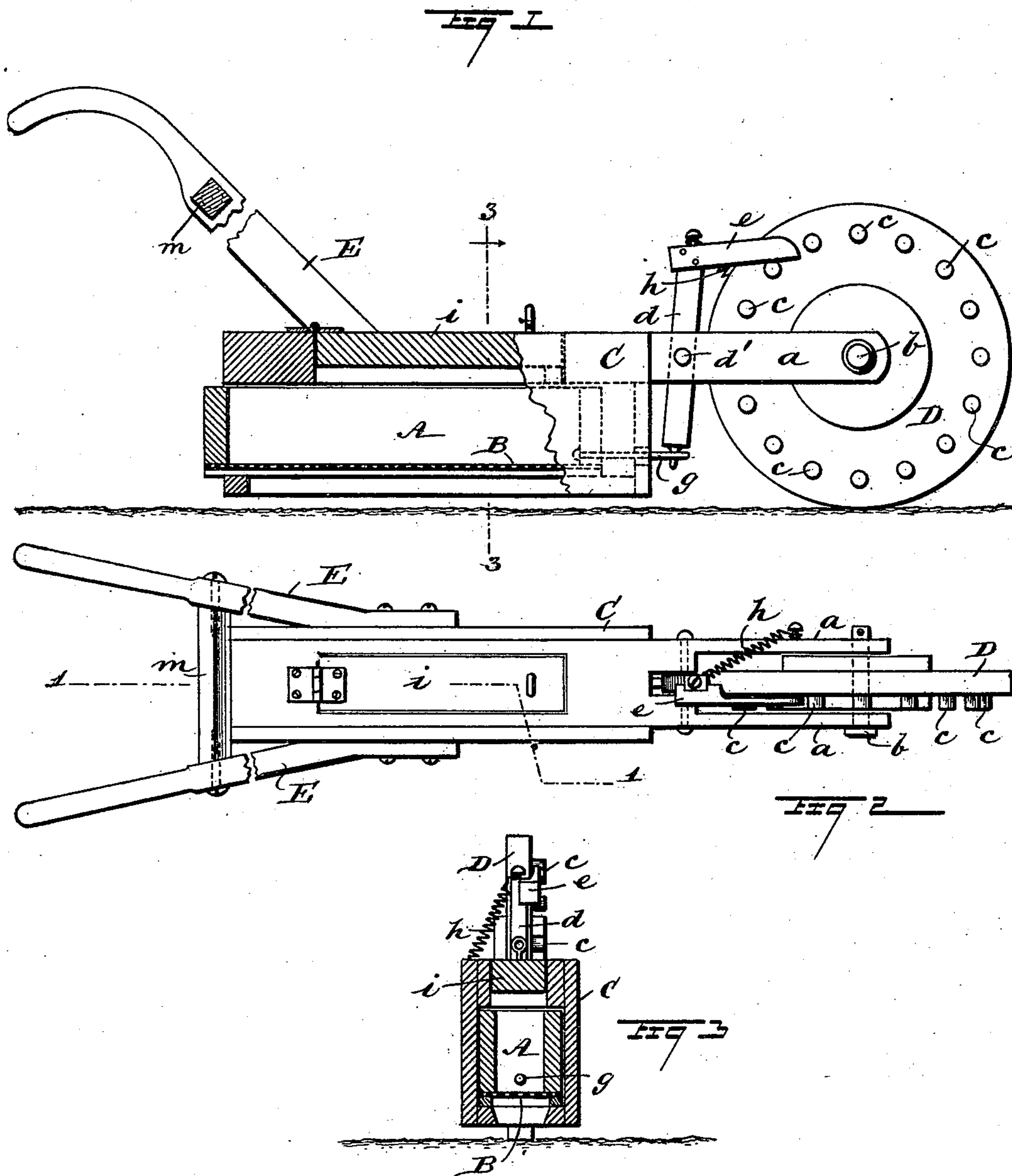


(No Model.)

H. REICHWEIN.  
LAWN TENNIS COURT MARKER.

No. 475,154.

Patented May 17, 1892.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

HERMAN REICHWEIN, OF SPRING LAKE, NEW JERSEY.

## LAWN-TENNIS-COURT MARKER.

SPECIFICATION forming part of Letters Patent No. 475,154, dated May 17, 1892.

Application filed January 27, 1892. Serial No. 419,436. (No model.)

*To all whom it may concern:*

Be it known that I, HERMAN REICHWEIN, of Spring Lake, in the county of Monmouth and State of New Jersey, have invented a new and useful Improvement in Lawn-Tennis-Court Markers, of which the following is a full, clear, and exact description.

The object of this invention is to produce a simple and convenient implement which will be adapted to hold and deliver in proper quantity a pulverized material in straight lines that are formed as the device is progressively moved over the ground where a court is to be projected lineally.

To this end my invention consists in the construction and combination of parts, as is hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a side view, partly in section, on the line 1 1 in Fig. 2. Fig. 2 is a plan view; and Fig. 3 is a transverse section on the line 3 3 in Fig. 1, the removed parts being restored.

An oblong rectangular dust-box A, having a screen B affixed to its lower side, is supported to slide longitudinally within a casing C, which casing has a slot or opening in its base below said screen. At the forward portion of the casing are formed or secured two parallel arms *a*, that are transversely perforated near their free ends to receive an axle *b*, whereon a supporting-wheel D is secured, said wheel being thus adapted to rotate when the casing C is progressively moved. From one side of the wheel D a series of pins *c* project, which are arranged in a circular row concentric with the axle *b*. An arm *d*, having a forwardly-projecting finger *e* secured on its upper end, is pivoted near its longitudinal center at *d'* between the parallel arms *a*, the finger having a bearing on the pins *c* successively when the wheel D is rotated. The lower end of the rock-arm *d* is loosely connected to one end of a link-bar *g*, that is joined at its opposite end to the forward end of the dust-box A. The contact of the finger-piece *e* with the pins *c* is enforced by a spring

*h*, that has one end attached to the upper end of the rock-arm *d* and its other terminal secured to one of the parallel arms *a*. The lower wall of the casing C is slotted longitudinally of a proper width to define a court-line of correct breadth. On the top of the casing C an aperture is formed for the introduction of any suitable pulverized material that will produce a white stripe or line on the ground when sifted on it, and a lid *i* is preferably hinged at one end to close the aperture. A pair of handle-bars E are secured oppositely on the sides of the casing C by screws or other means, which handle-bars project upward and rearward, so as to be readily grasped by the operator when the device is to be used. The handle-bars E may be curved at their free ends or be left straight, as may be preferred, and to stiffen them a transverse brace *m* is held between them at a proper point by screws or other means.

In use the dust-box A, having been charged with the white powder and the lid closed, a diagram of the court may be quickly laid off by simply moving the device forwardly along a guide-line, or if the operator is expert the guide-line may be dispensed with. As the dust-box A is rapidly shaken by the successive impulses given in one direction by the finger-bar *e* and pins *c* and oppositely by the contractile force of the spring *h*, the powder within the box will be evenly sifted therefrom in a continuous line as the marker is pushed by the operator. At any time it is necessary the marker may be utilized to renew the court-lines which have been partly or entirely obliterated by the feet of the players.

Having thus fully described my invention, I claim as new and desire to secure by Letters Patent—

1. A lawn-tennis-court marker comprising a casing open at its base, a dust-box reciprocating in the casing and provided with a lid and a foraminated bottom, a supporting-wheel journaled at the front of the casing and having a circularly-arranged series of pins on one face, a vertical arm pivoted at the rear of said wheel and having a spring-pressed finger at the upper end in the path of said pins, and



a link-bar connecting the dust-box with said arm, substantially as described.

2. In a lawn-tennis-court marker, the combination, with a casing open at its base and  
5 provided with a lid and handle-bars and a supporting-wheel journaled at the front of the casing and having a circularly-arranged series of pins on one face, of a dust-box reciprocable in the casing and having a foraminated bottom, a vertical arm pivoted at the  
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rear of the supporting-wheel, having a spring-pressed finger at its upper end in the path of said pins, and a link-bar connecting the dust-box with the lower end of said arm, substantially as described.

HERMAN REICHWEIN.

Witnesses:

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