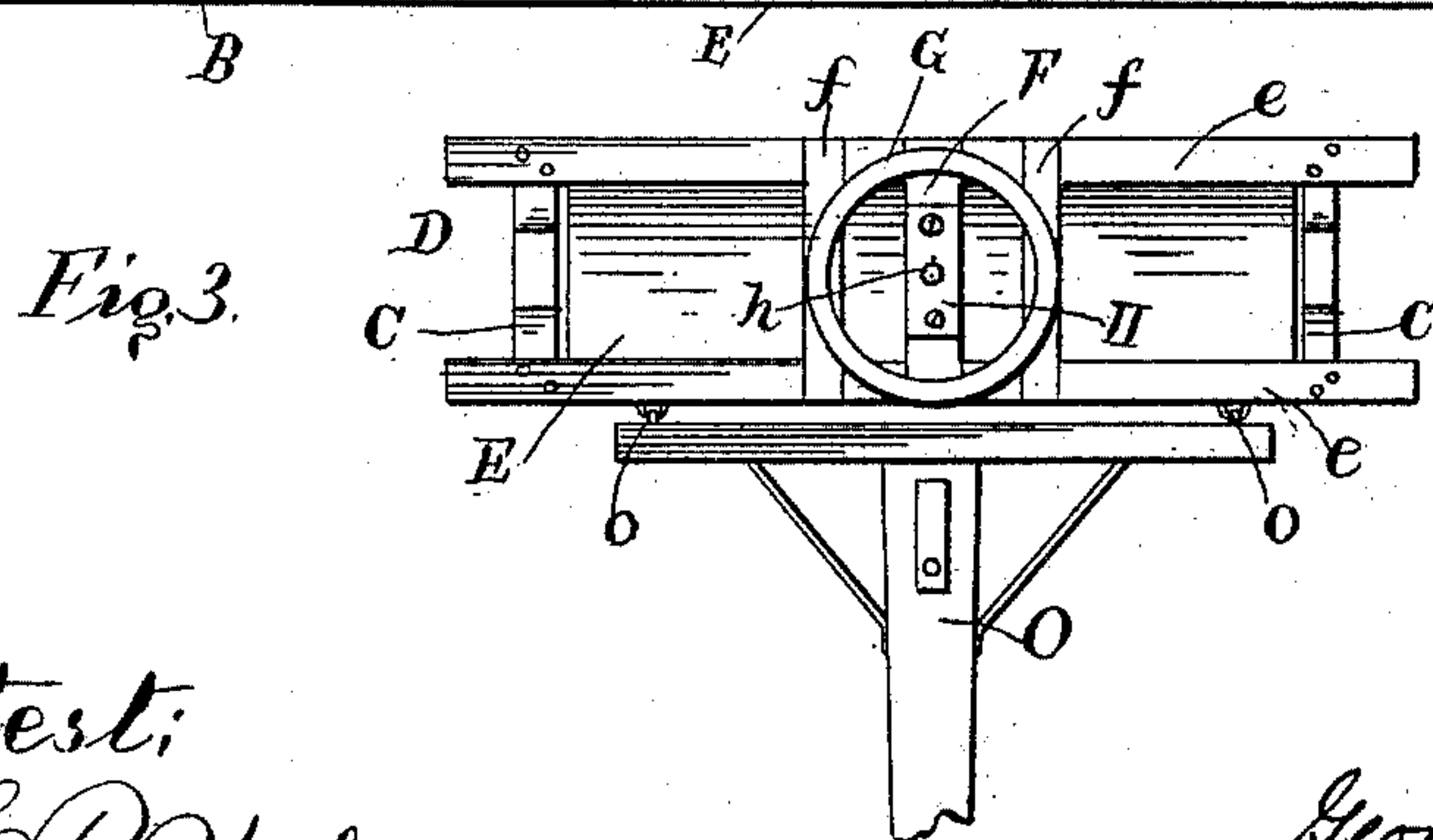
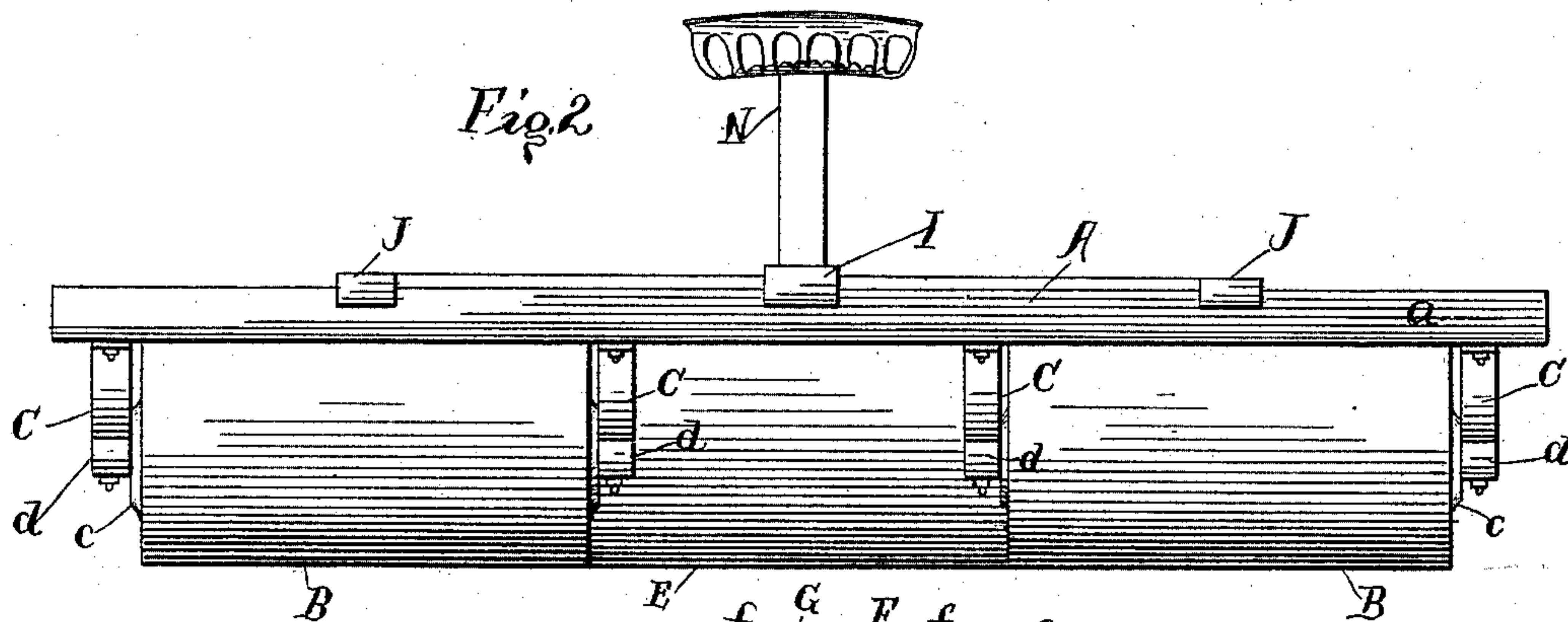
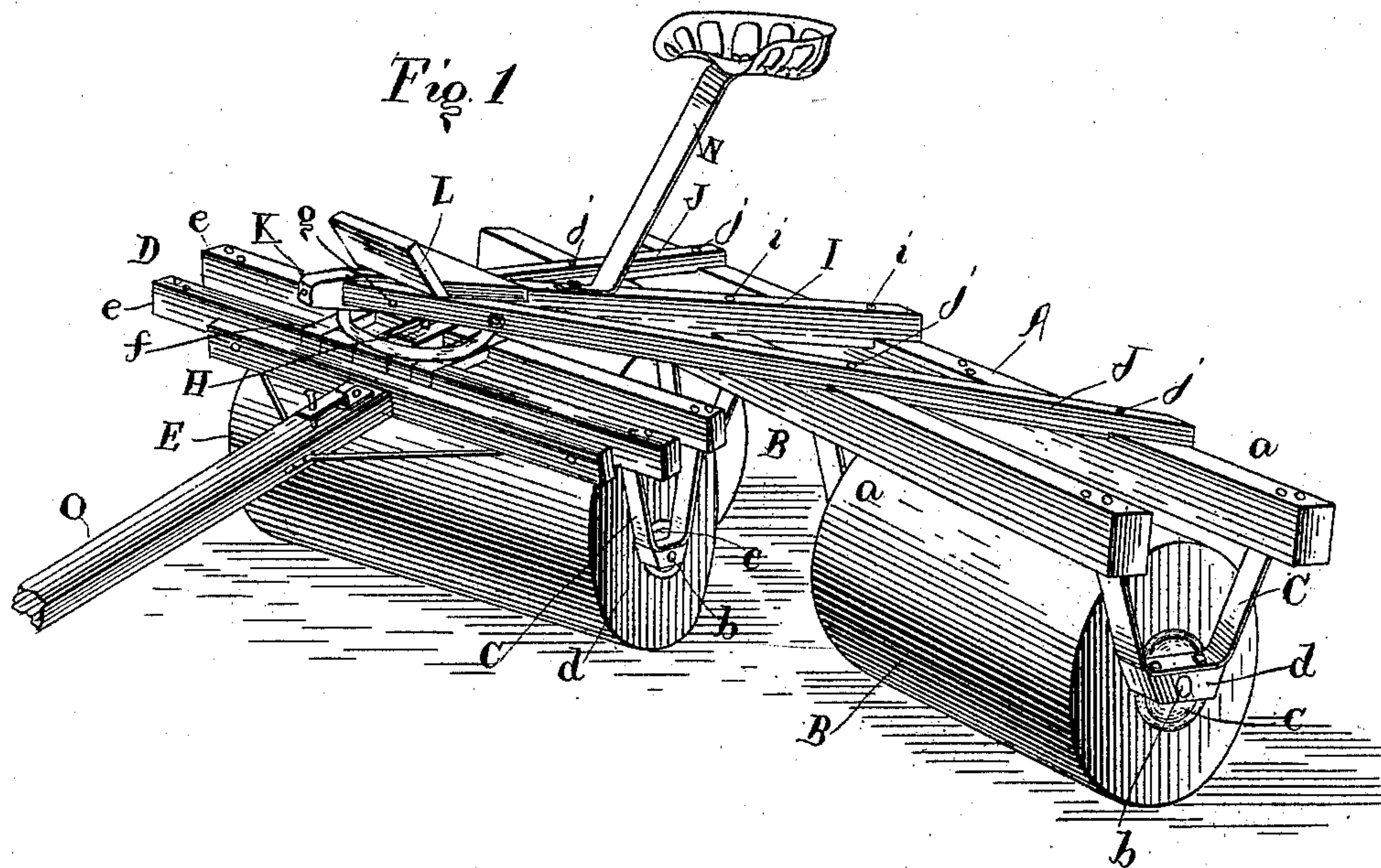


(No Model.)

G. C. HOLCOMB.
LAND ROLLER.

No. 497,243.

Patented May 9, 1893.



Attest:
H. P. Wilson.
J. H. Griffin

Inventor
George C. Holcomb
By
M. A. Peck
His Att'y

UNITED STATES PATENT OFFICE.

GEORGE C. HOLCOMB, OF NORTH ADAMS, MICHIGAN, ASSIGNOR OF ONE-HALF TO W. A. WELLS, OF SAME PLACE.

LAND-ROLLER.

SPECIFICATION forming part of Letters Patent No. 497,243, dated May 9, 1893.

Application filed March 17, 1892. Serial No. 425,266. (No model.)

To all whom it may concern:

Be it known that I, GEORGE C. HOLCOMB, a citizen of the United States, residing at North Adams, in the county of Hillsdale and State of Michigan, have invented certain new and useful Improvements in Land-Rollers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to land rollers, and consists in the several details of construction and combinations of parts hereinafter fully set forth in the specification and more particularly pointed out in the claim.

In the accompanying drawings: Figure 1. is a perspective view of my improved land roller. Fig. 2. is a rear view thereof; and, Fig. 3. is a plan view of the front roller and its frame.

Similar letters of reference indicate corresponding parts in the figures represented.

A. represents a frame in which the rear rollers B. are journaled. The frame consists of two parallel bars *a*, arranged above the plane of and extending the length of both the rollers, united together by four V shaped journal irons C. These irons are bolted to the bars *a*, and to their under side there is secured by bolts or otherwise gudgeon boxes *d*, in which the gudgeons *b*, turn. These boxes are so constructed that they may be supplied with a suitable packing that will retain the lubricating substance for the journal, and at the same time prevent the admission of dirt or other gritty substance to the wearing portion of the journal or gudgeon. Each gudgeon is driven into the end of the roller through a washer *c*.

D. represents a frame for the front roller E. This frame consists of two parallel bars *e*, arranged above the plane of the roller, and the roller E. is mounted thereon in the same way as the rollers B. are mounted on the frame A. and the same letters of reference are applied to the attaching irons C.

F. represents a short plank secured to the

parallel bars *e*, about midway of their length, and *f*, two pieces of scantling also secured to the bars *e*, one on each side of the plank F.

A circle G. is bolted, or otherwise secured to the plank F. and scantlings *f*.

H. is a wear plate secured by any suitable means to the upper surface of the plank F. and is of such thickness that its top surface will be level with the top surface of the circle G.

I represents a reach bolted at *i*, to the top and center of the rear frame A; and diagonal braces J. are bolted at *j*, to the top of the frame A. near its ends and connected at their forward ends to the front end of the reach by the horizontal bolt *g*. The forward end of the reach I. is provided with a metal plate K. which rests on the circle G. and plate H. to prevent wear of the reach. A foot board L. is secured to the upper surface of the reach I. and the braces J. for the purpose of strengthening them in their holding upon the pivot or circle of the front frame, and also for providing a foot rest and brace. A king bolt *h*, passes through the foot board L, reach I, plate H, and plank F, to form the pivotal point of connection between the front frame D. and rear frame A.

N. represents seat for the driver supported on the reach I. and O. is the tongue connected to the front frame D. by hook and eye connections *o*.

In practice I propose to make the front roller about eight inches longer than the rear rollers in order that the inner ends of the latter will be overlapped by the former, and as all the rollers are journaled in rigid bearings and have no vertical play at either end independently of their frames, any hard lump that may be encountered will be crushed, even if it comes in contact with the roller near its end, unless, of course, it be of such hardness as to lift the weight of the entire roller and its frame.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

In a land roller the combination with front and rear frames above the plane of the top of the rollers, each frame having V shaped jour-

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nal irons uniting the bars and the ends of the
rollers and gudgeon boxes secured to the
under side of said journal irons forming a
rigid bearing with the frames, of a circle and
5 wear plate secured to the top and center of
the front frame over the roller, a reach rigidly
attached at one end to the top and center of
the rear frame and provided at the other end
with a metal plate resting on the circle and
10 wear plate and having diagonal braces se-
cured to the top of the rear frame and ex-

tending forward and inward and secured to
the front end of the reach over the roller, and
a foot board uniting and strengthening the
reach and braces at their front ends, as set 15
forth.

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

GEORGE C. HOLCOMB.

Witnesses:

WILLIAM WRIGHT,
ED. A. DIBBLE.