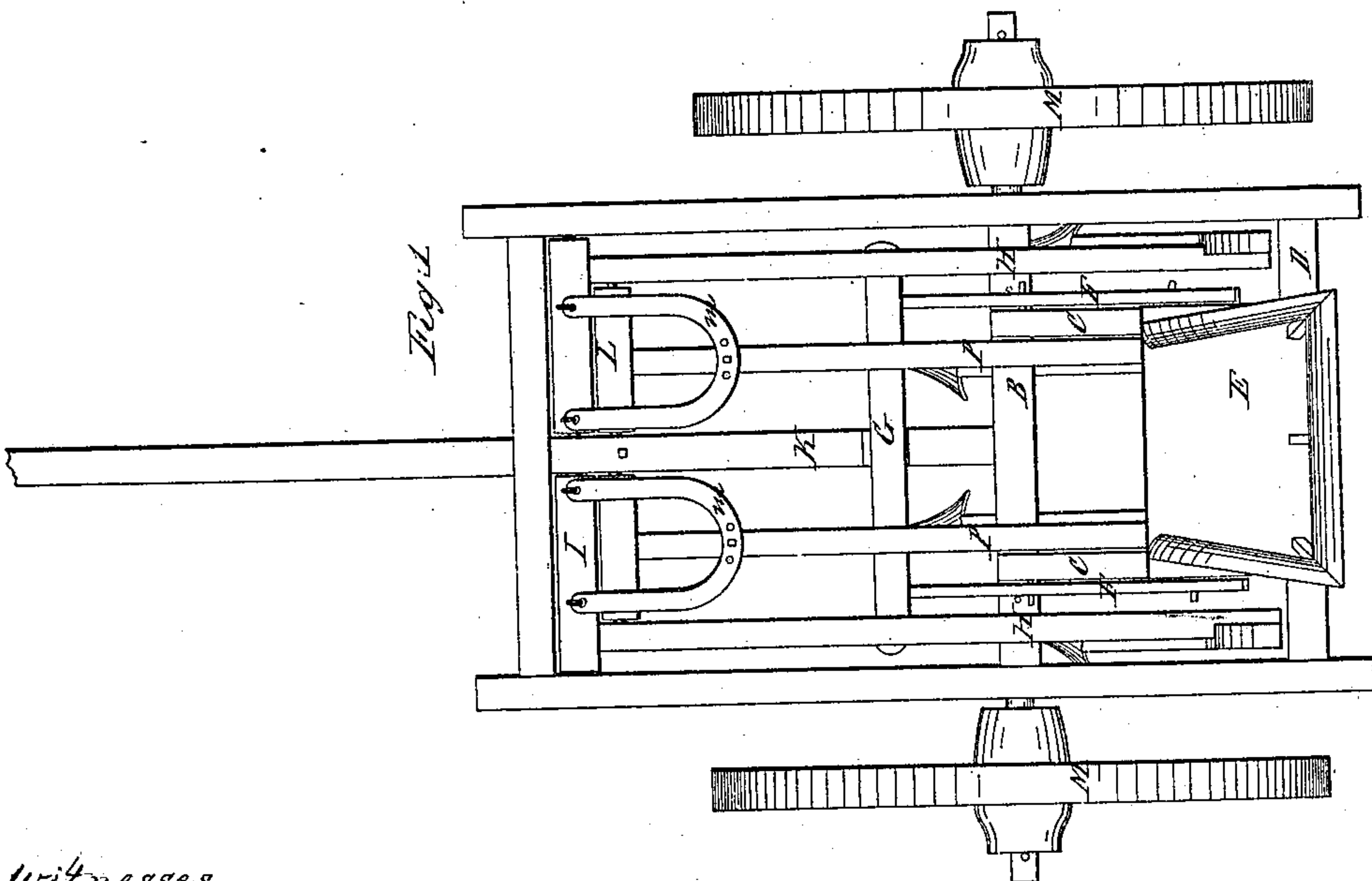
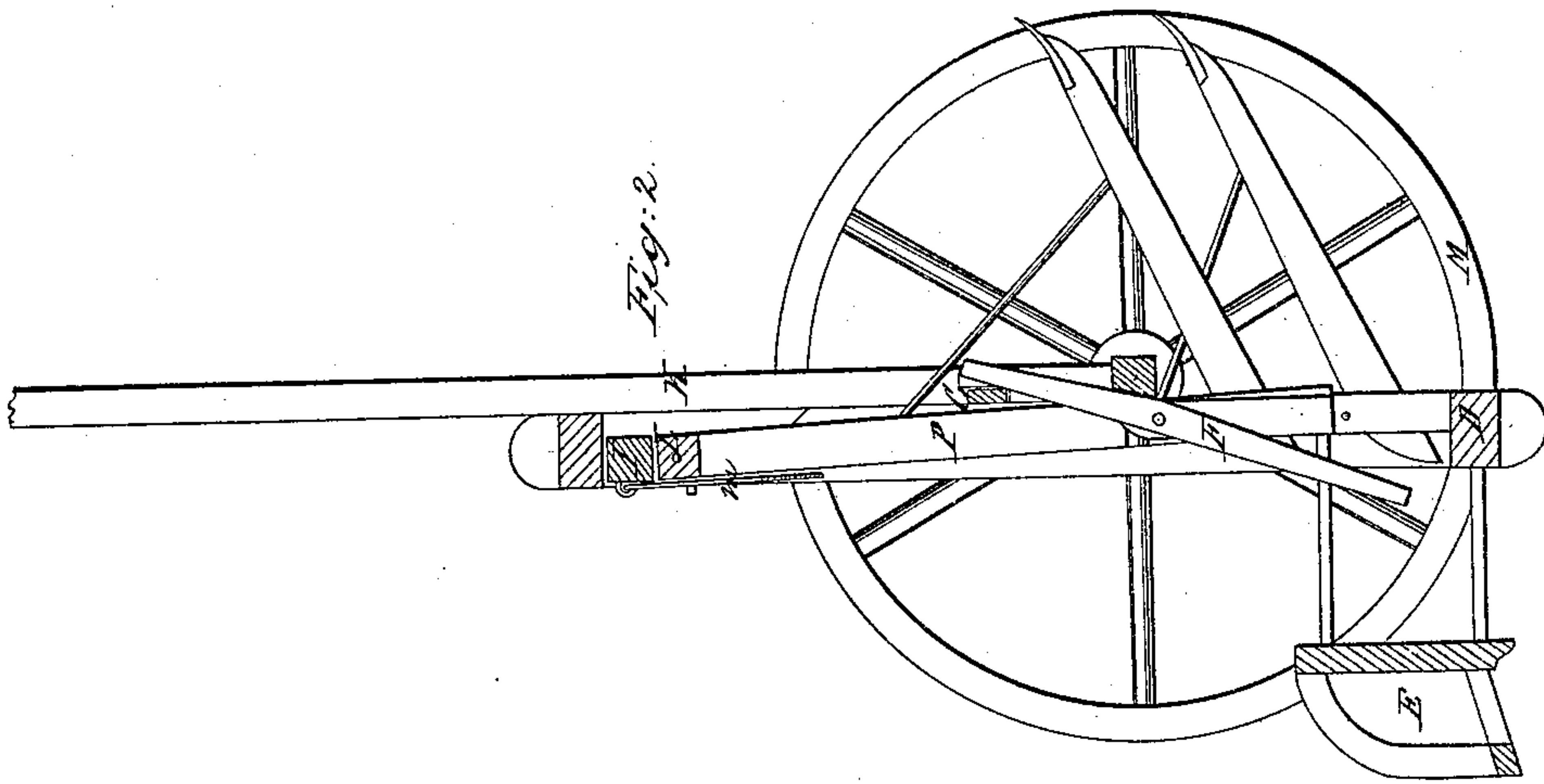


G. Large.
Wheel Cultivator.

N^o 41,159.

Patented Jan. 5, 1864.



Witnesses.
Charles Alexander
J. C. Clayton

Inventor
G. Large
per C. M. Alexander atty

UNITED STATES PATENT OFFICE.

GEORGE LARGE, OF ROSEMOND, ILLINOIS.

IMPROVEMENT IN CULTIVATORS.

Specification forming part of Letters Patent No. 41,159, dated January 5, 1864.

To all whom it may concern:

Be it known that I, GEORGE LARGE, of Rosemond, in the county of Christian and State of Illinois, have invented certain new and useful Improvements in Corn-Cultivators; and I hereby declare that the following is a true and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

Figure 1 represents a plan view of my cultivator, and Fig. 2 a longitudinal vertical section.

The letter A represents the frame, made of timber of suitable size and strength. The frame rests upon the axle B, near the hubs of the wheels M, and are fastened to the axle B by bolts. The cross-piece D, that binds the outer ends of the frame A together, is connected to the axle B by two ties, C, running parallel with the outsides of frame A and securely fastened to axle B and cross-piece D. The ties C and cross-piece D afford support for the driver's seat, (marked E.)

F represents the two foot-levers, one being on each side of the driver's seat and extending forward and passing under the tie G, to which they are fastened with bolts.

H represents two adjustable bars placed within the frame A and parallel with its sides. The bars H, at their front ends, are fastened to the cross-pieces I, these pieces having gudgeons at their ends, which play in frame A and in a cleat bolted to the tongue K. Between the bars H and the tongue K, and parallel with cross-pieces I, are two shorter pieces, L, into which the bars P are inserted, the bars P extending as far back as the front of the driver's seat. The bars P are hinged to the cross-pieces I by means of a forked plate of iron, the tines of which work in staples on the upper surface of I. The tines of these plates

are also bolted securely to cross-pieces L. The curved ends of *m* are perforated in several places, so that the bolt that fastens *m* to bars P can be shifted, and thereby the shovel attached to the shanks on bars P can be thrown nearer together or farther apart, as the case may require.

From the hinder end of each of the bars H and bars P there is a shank descending at the usual angle, to which the shovels are attached, the shovels on bars P being in advance of those on bars H. Each of the shanks is braced with an iron rod, which passes through it and through the bar to which it is attached.

The advantage of my arrangement, in connection with the double levers F, is that when there is an obstruction in front of two of the shovels they can be elevated to pass over it without disturbing the action of the remaining two. This is done by the operator placing the point of his foot under and sustaining the lever which is to remain stationary and pressing down with the other foot the lever on the opposite side. Another advantage is the facility with which the shovels on bars P can be moved laterally to suit the condition of the corn.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

The foot-levers F, in combination with the tie G, the bars H, the bars P, the cross-pieces I and L, and the metal plates *m*, the whole constructed and arranged in the manner and for the purpose set forth.

In testimony that I claim the foregoing as my own I hereby affix my signature in presence of two witnesses.

GEORGE LARGE.

Witnesses:

JESSE HANON, Jr.,
JAMES H. MCCOY.