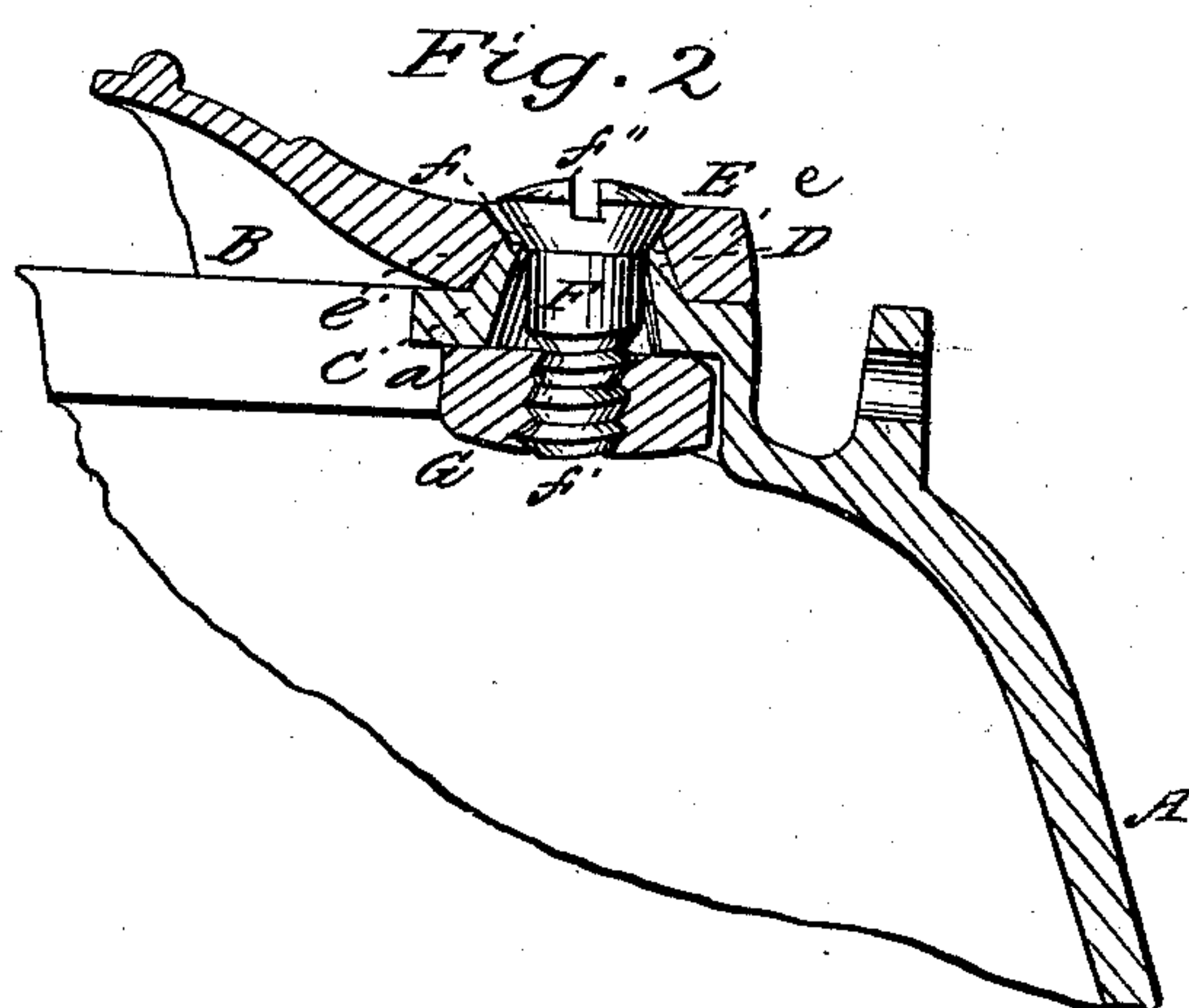
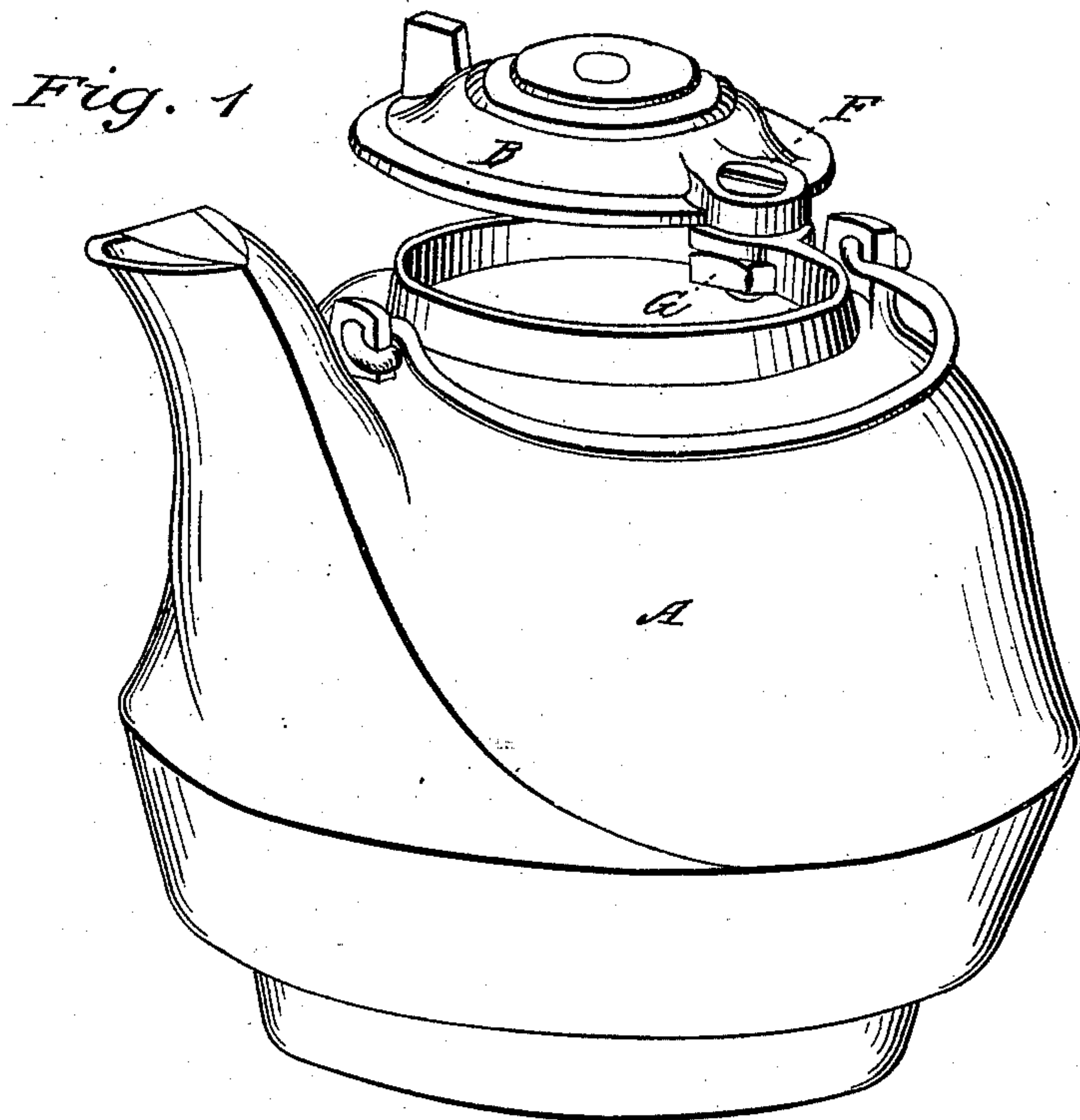


Patented July 9, 1867.



Witnesses:
Frank Millward
Jas. H. Gayman

Inventor:
E. M. Coan
By Wm. H. Coan
Atty

United States Patent Office.

EDWARD McGRANN, OF LOUISVILLE, KENTUCKY.

Letters Patent No. 66,607, dated July 9, 1867

TEA-KETTLE.

The Schedule referred to in these Letters Patent and making part of the same.

TO WHOM IT MAY CONCERN:

Be it known that I, EDWARD McGRANN, of Louisville, Jefferson county, Kentucky, have invented a new and useful Tea-Kettle; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, making part of this specification.

This is an improvement on the class of tea-kettles whose lid being attached by a vertical pivot opens and closes horizontally; and my invention consists in a form and construction of the connecting-pivot and its accessories, which combine the advantages of cheapness and simplicity with effectiveness.

A is the kettle body and B is the lid. C is an orifice in the rim of the body, near to but preferably to one side of the rear bail-ear. D is a boss or elevated margin to said orifice. E is a doubly countersunk orifice in the lid, whose lower portion, *e'*, fits and is adapted to swing around the boss D. F is the pivot, provided with a conical head, *f*, which fits and rests upon the top of the boss D so as to relieve the upper countersink *e* from binding and to permit the unrestricted swing of the lid. The lower end *f'* of the pivot is screw-threaded, and enters a nut, G, which, occupying a recess, *a*, in the body that prevents its rotation, is screwed fast against the under side of the body-rim by the application of a customary driver in the nick *f''*.

I claim herein as new, and of my invention—

The swinging lid B, having the doubly countersunk orifice E *e e'*, in the described combination with the bossed orifice C D, conical-headed and screw-threaded pivot F *f f' f''*, and nut G, the whole being combined and arranged as set forth.

In testimony of which invention I hereunto set my hand.

EDWARD McGRANN.

Witnesses:

GEO. H. KNIGHT,
JAMES H. LAYMAN.