

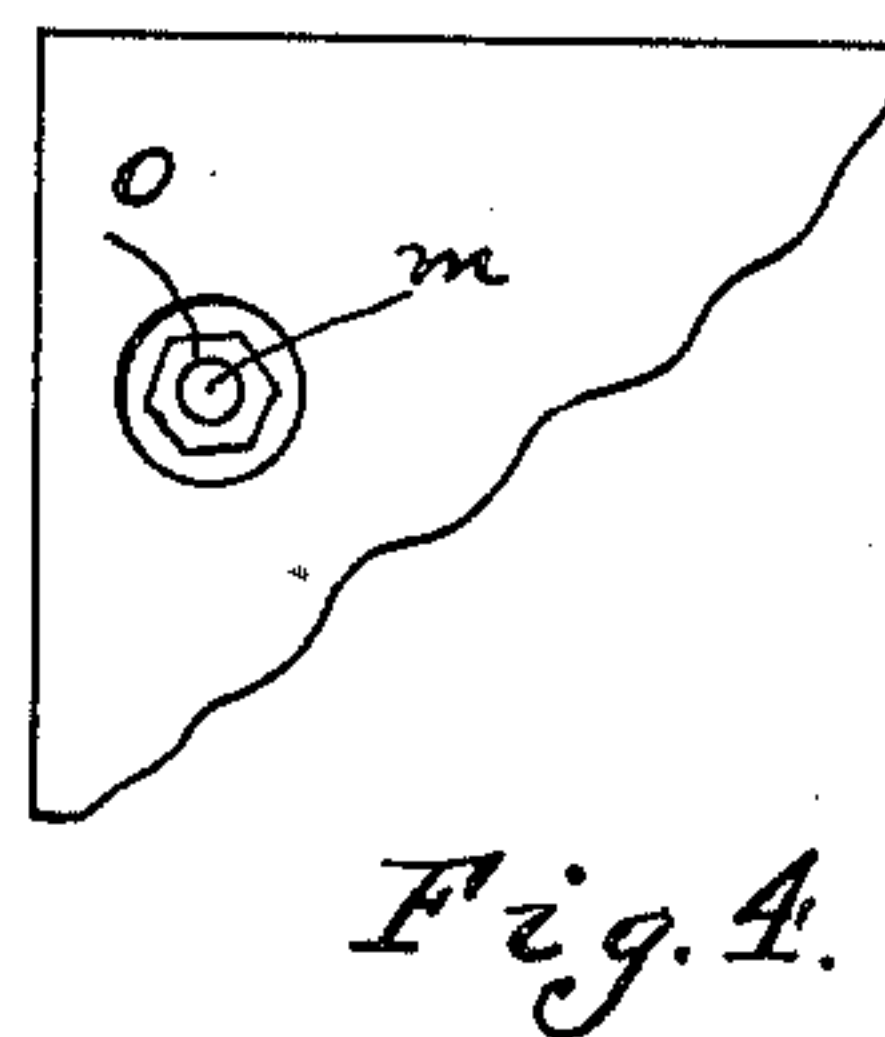
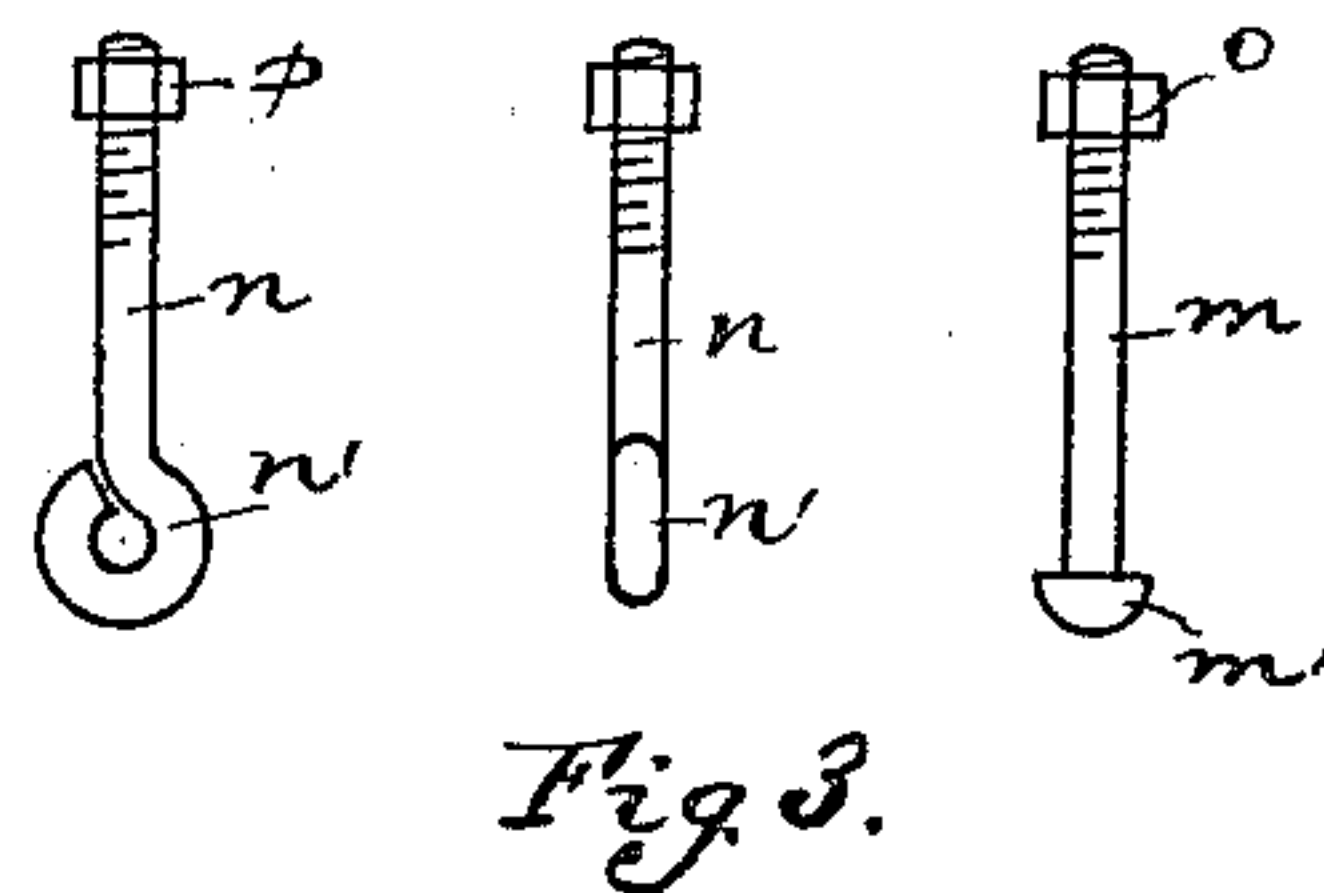
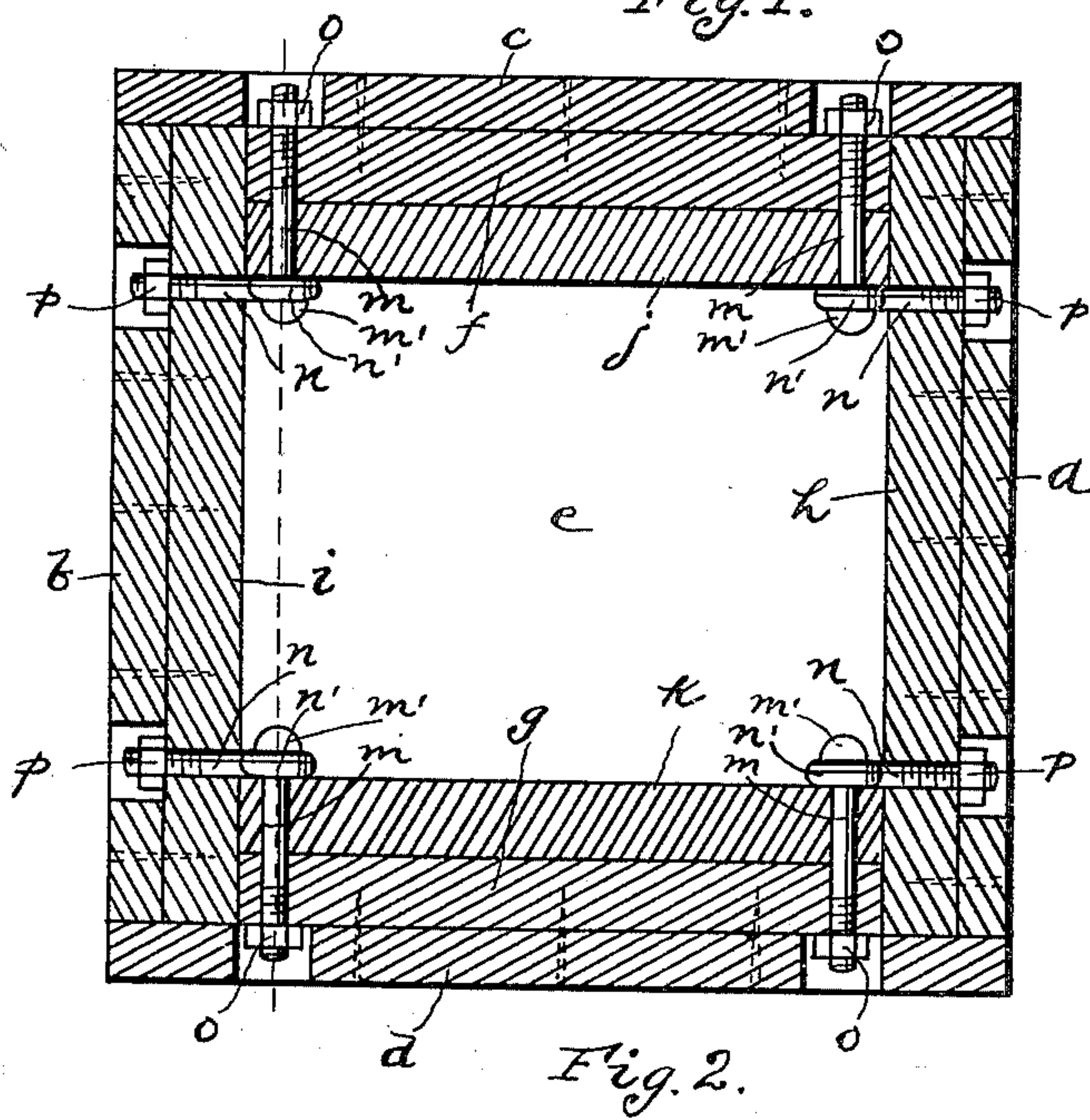
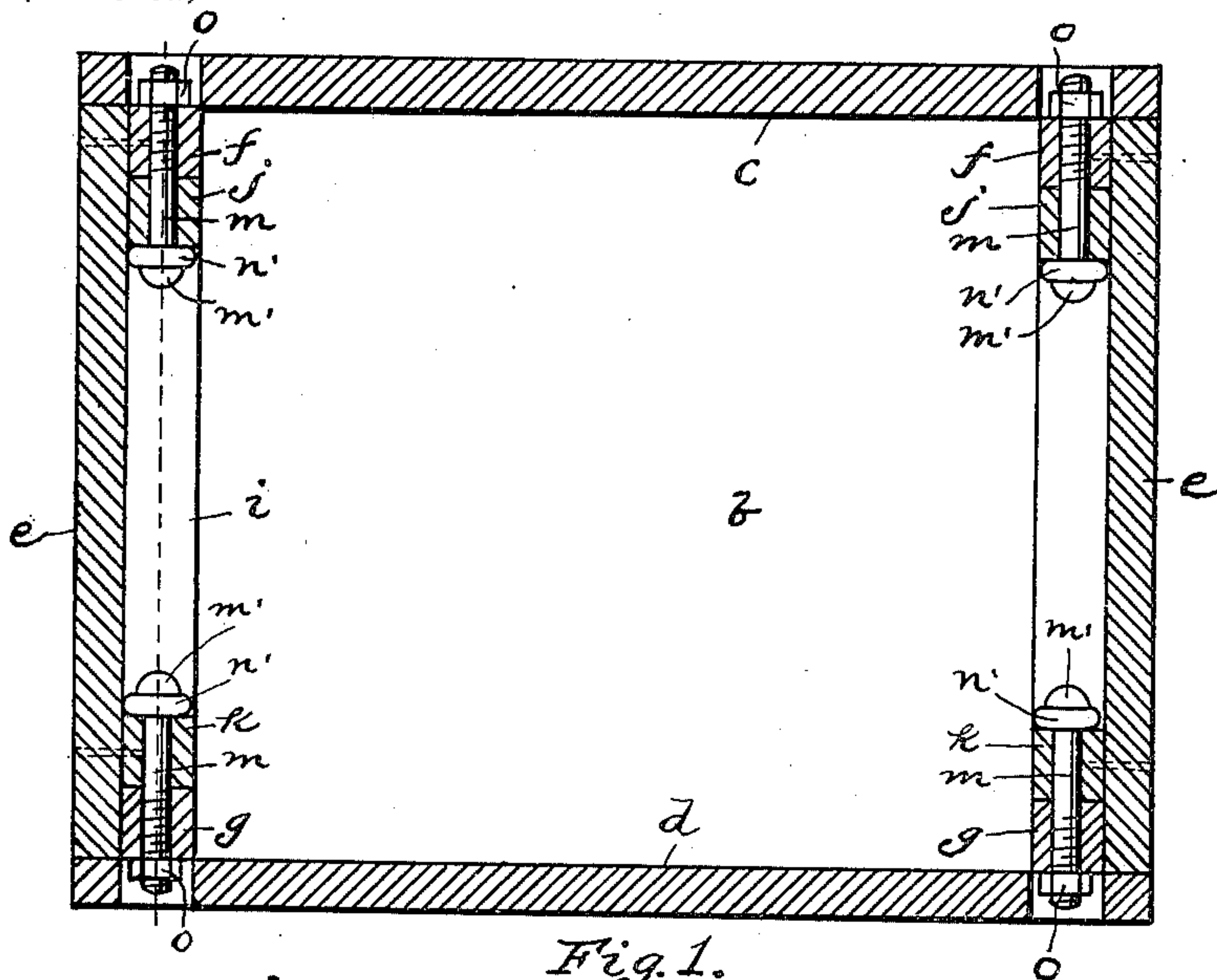
No. 672,241.

Patented Apr. 16, 1901.

W. STROOP.
PACKING CASE.

(Application filed Dec. 10, 1900.)

(No Model.)



WITNESSES:
Matthew Lublin.
C. W. Theobald.

Wm. Stroop
INVENTOR

BY *R. J. McCarty*
his ATTORNEY

UNITED STATES PATENT OFFICE.

WILLIAM STROOP, OF DAYTON, OHIO.

PACKING-CASE.

SPECIFICATION forming part of Letters Patent No. 672,241, dated April 16, 1901.

Application filed December 10, 1900. Serial No. 39,362. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM STROOP, a citizen of the United States, residing at Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Packing-Cases; and I do 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, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to knockdown packing-cases which are adapted for shipping leaf-tobacco.

The object of the invention is to provide a packing-case of the above type having the advantages hereinafter described and claimed.

Referring to the annexed drawings, Figure 1 is a vertical section taken on a line adjacent to one end of the case. Fig. 2 is a section in a vertical plane at right angles to the sectional view shown in Fig. 1. Fig. 3 shows detail views of the bolts. Fig. 4 is a top view of one of the corners of the case.

The case comprises two sides *a* and *b*, a top *c*, a bottom *d*, and end pieces *e*. The top and bottom *c* and *d* are each provided near the ends with cleats *f* and *g*, and the side pieces *a* and *b* are provided near their ends with similar cleats *h* and *i*. The end pieces *e* are provided with cleats *j* and *k*. The space between the outer sides of these cleats *j* and *k* of the end pieces *e* is equal to the width of the cleats *f* and *g*. The cleats and the sides and top as well as the bottom engage closely one with another. Fastening devices which comprise the improvements in the present invention consist of two separate bolts *m* and *n*, one of which has a head *m'* and the other of which has an eye *n'*, which receives the bolts *m*. These bolts when so united lie at right angles to each other and penetrate the cleats and sides of the case and have their ends threaded to receive clamping-nuts *o* and *q*, by means of which they are rigidly secured to hold the sides of the case. The bolts *m* pass through the cleats *j* and *k* on the end pieces *e*

and also through the cleats *f* and *g* on the top and bottom *c* and *d*, while the eyebolts *n* pass through cleats *h* and *i* of the side pieces *a* and *b*, as shown in Fig. 2. The clamping-nuts *o* and *q* and the ends of the bolts are housed within openings formed in the sides, top, and bottom of the case, so that there are no projections from the outer surface of the case on any side. The eyes *n'* engage with the inner surfaces of the cleats on the end pieces of the case and serve to prevent any movement of the bolts when said bolts are lightened. A very material advantage is obtained by constructing the corner-bolts in two parts—for example, they may be obtained from any dealer who keeps the ordinary head and eye bolt in stock, while in the case of the former or angle-bolt special machinery is necessary for its manufacture, and, further, the attachment of the two-part bolts is very simple—for example, the bolt having the head is passed through the eyebolt and thence through the cleats with no difficulty whatever, while in the case of the angle-bolt it is very hard to insert it on account of the short curve, and often in tightening the angle-bolt it will draw said bolt out of position or break it in the bend or curve.

Owing to the fastening of the bolts being constructed in two parts, the work of uniting or assembling the parts of the case is greatly facilitated. This case is especially arranged to suit the requirements of a tobacco-case, allowing an easy removal of top, bottom, and sides in order to examine the quality or condition of the tobacco, which is frequently required, and it also facilitates stripping the case for removal of the contents and returning the case in a knockdown condition. In the present invention the nuts are loosened from the outside of the case with a socket-wrench, and the sides are allowed to expand and may be readily lifted from the contents.

Having fully described my invention, I claim—

In a knockdown packing-case, end pieces having cleats on their inner sides, top, bottom, and side pieces having cleats on their inner sides adjacent to their ends, fastening devices, each consisting of two bolts, a head-

bolt, and an eyebolt, the said head-bolt passing through the cleats on the inner sides of the case, and the eyebolt passing through the cleats on the top and bottom sides of said case,
5 the said bolts being connected by means of said eye and head, and when so connected occupy positions adjacent to the ends of said case, and means for rigidly securing said bolts from the outside of the case, and where-

by the sides, top, and bottom of said case are rigidly united to the ends, substantially as specified.

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

WILLIAM STROOP.

Witnesses:

C. M. THEOBALD,
R. J. MCCARTY.