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(No Model.)

G. W. KENNEDY.
BURGLAR PROOF SAFE.

No. 294,631.

Patented Mar. 4, 1884.

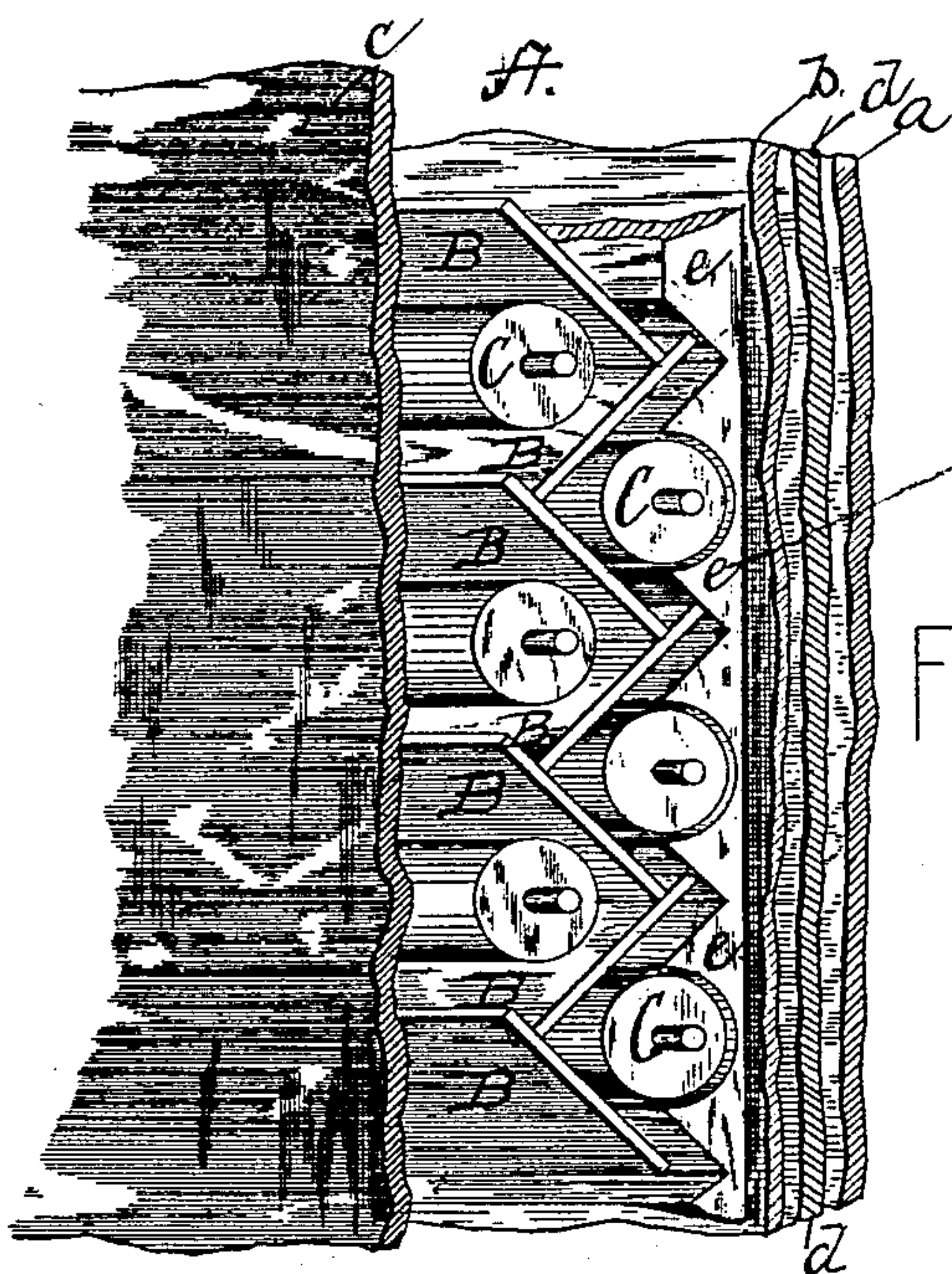


Fig. 1.

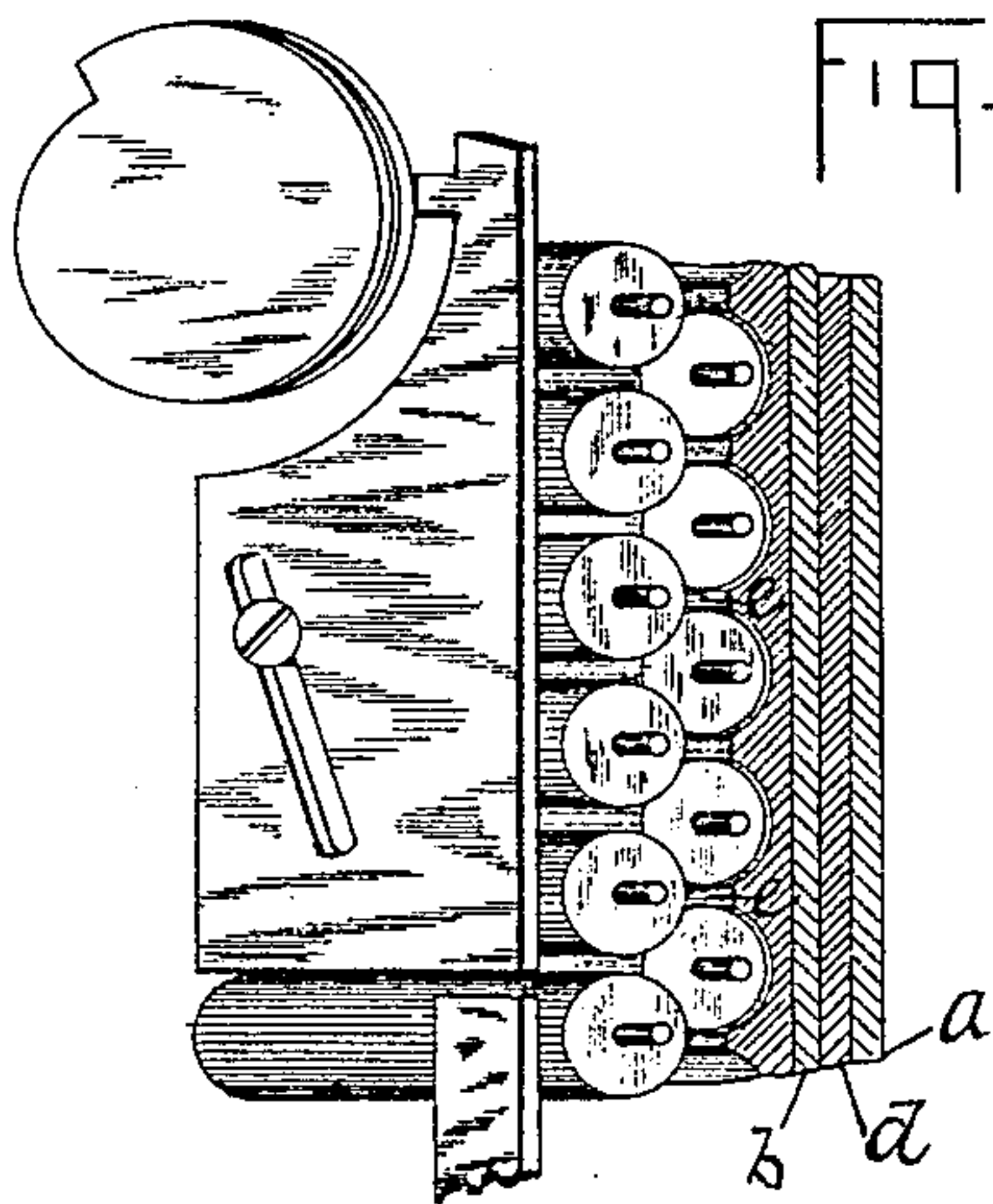


Fig. 3.

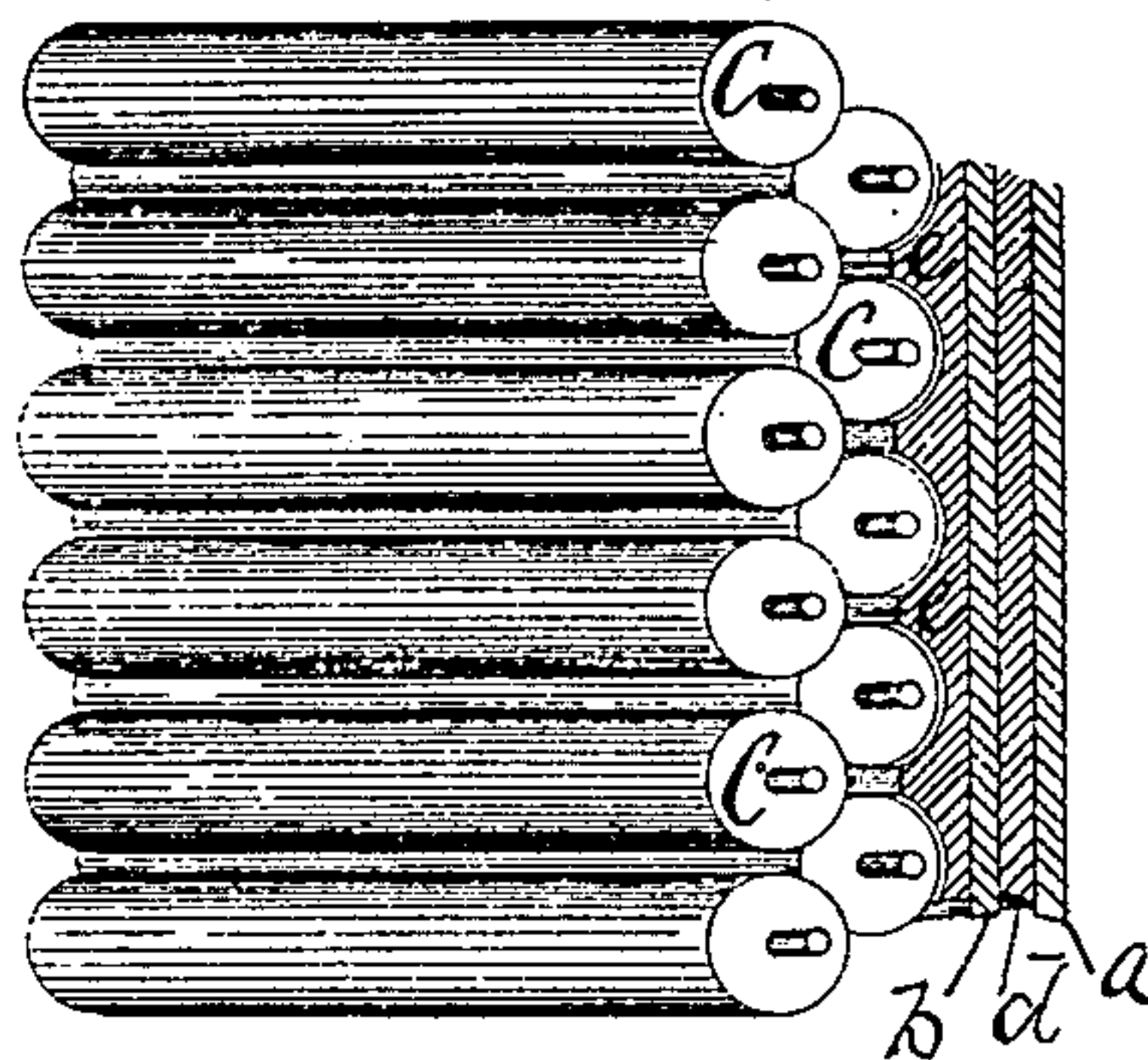


Fig. 2.

Witnesses:

E. H. Murdock
Wm. H. Smith

Inventor:

George W. Kennedy
by *A. G. Heyman*

Att.

UNITED STATES PATENT OFFICE.

GEORGE W. KENNEDY, OF GARNAVILLO, IOWA.

BURGLAR-PROOF SAFE.

SPECIFICATION forming part of Letters Patent No. 294,631, dated March 4, 1884.

Application filed December 26, 1883. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. KENNEDY, a citizen of the United States of America, residing at Garnavillo, in the county of Clayton and State of Iowa, have invented a new and useful Improvement in Burglar-Proof-Safe Walls, of which the following is a specification.

My invention relates to improvements in burglar-proof-safe walls, the objects being to construct a wall impervious to the usual appliances for drilling, and also to provide a filling which will, by reason of its elasticity, close a puncture and prevent an explosive from being inserted.

With these and other objects in view my improvements consist in the novel construction and combination of parts, as will be hereinafter more fully described, and specifically pointed out in the claims.

I effect the purposes of my improvements by means of the appliances illustrated in the accompanying drawings, wherein—

Figure 1 is a view in perspective, showing the arrangement of the plates and rollers and the outer walls of the casing, with elastic filling, and the inner wall partly broken away. Fig. 2 is a similar view, showing an arrangement of the rollers independently of the interposed plates; and Fig. 3 is a view showing the special application of my improvements for the protection of the lock of a safe.

The letter A represents the casing, composed of the outer wall, *a*, intermediate partition, *b*, and inner wall, *c*, the whole made of hardened steel, and secured together at the tops and sides in the usual manner.

The letter B represents steel plates set at an angle between the walls of the casing, and arranged, as shown, with the end of one resting on the lower one, and the other end resting against a wall of the casing, and having arranged on opposite sides thereof and in the angles formed by the jutting plates hard-steel rollers C, which are journaled loosely in the end pieces of the casing. Interposed between the outer wall of the casing and the partition is an elastic filling, *d*, and a filling, *e*, of the same material, is fitted between the inner face of the partition and the rollers and plates. The purposes of the journaled rollers are well

known, and it is intended to add further security by disposing the hard-steel plates between them by presenting a slanting surface to the action of a drill, should it effect an entrance through the plates; and as the entrance, after drilling, is produced by inserting an explosive through the aperture made by the drill, I make such an act impossible or uncertain by interposing the elastic filling, which closes of itself when the drill is withdrawn, and thus leaves it difficult to get the explosive within the spaces, or admits so small a deposit of powder that it will fail of the purpose intended.

In Fig. 2 I have shown a modification of my improvements with the interposed hard-steel plates removed or not applied, and the elastic filling applied as heretofore stated; and in Fig. 3 the same arrangement of appliances is shown fitted to a safe-lock, the purpose being to so supply the spaces with an elastic filling and hard-steel rollers that there shall be no room for depositing the explosive in and about the mechanism of the lock.

The intermediate partition, *b*, may be in some instances dispensed with, leaving but one layer of elastic filling in the casing, which should be arranged, as shown, to face the wall of the casing and fill in the spaces between the rollers and plates; but in no case should the filling facing the rollers press against them to such a degree as to interfere with their being easily turned by any force striking against their faces.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. In combination with the casing of a safe, a series of plates set at an angle between the walls of the casing, and a series of rollers arranged on opposite sides of the plates and in the angle thereof, substantially as described.

2. In combination with the outer and inner walls of a safe-casing, a plurality of metallic plates set between the walls at an angle, a series of rollers arranged on opposite sides of the plates and in the angles thereof, and an elastic filling between the outer casing and the plates and rollers, substantially as described.

3. In combination with the outer and inner walls of a safe-casing, an intermediate partition-wall, an elastic filling between the outer wall and the partition, a plurality of plates set at an angle between the partition and the in-

ner wall, a series of rollers arranged on opposite sides of the plates and in the angle thereof, and an elastic filling between the partition and the plates and rollers, substantially as described.

4. A safe-casing consisting of an inner and an outer wall, an intermediate partition-wall, and elastic filling between the outer wall and the partition, substantially as described.

10 5. A safe-casing consisting of an outer and an inner wall, an intermediate partition-wall, an elastic filling between the outer wall and the partition, and another elastic filling between the partition and the filling of the inner
15 space, substantially as described.

6. A safe-casing consisting of an outer and an inner wall, an intermediate partition-wall, an elastic filling between the outer wall and partition, a plurality of rollers journaled in between the partition and the inner wall, and 20 an elastic filling between the partition and the rollers, substantially as described.

In witness whereof I have hereunto signed my name in the presence of two attesting witnesses.

GEORGE W. KENNEDY.

Witnesses:

JAMES O. CROSBY,
WM. F. MEYER.