

W. M. KINNARD.
PAPER PAIL.
APPLICATION FILED MAY 31, 1904.

903,481.

Patented Nov. 10, 1908.

2 SHEETS—SHEET 1.

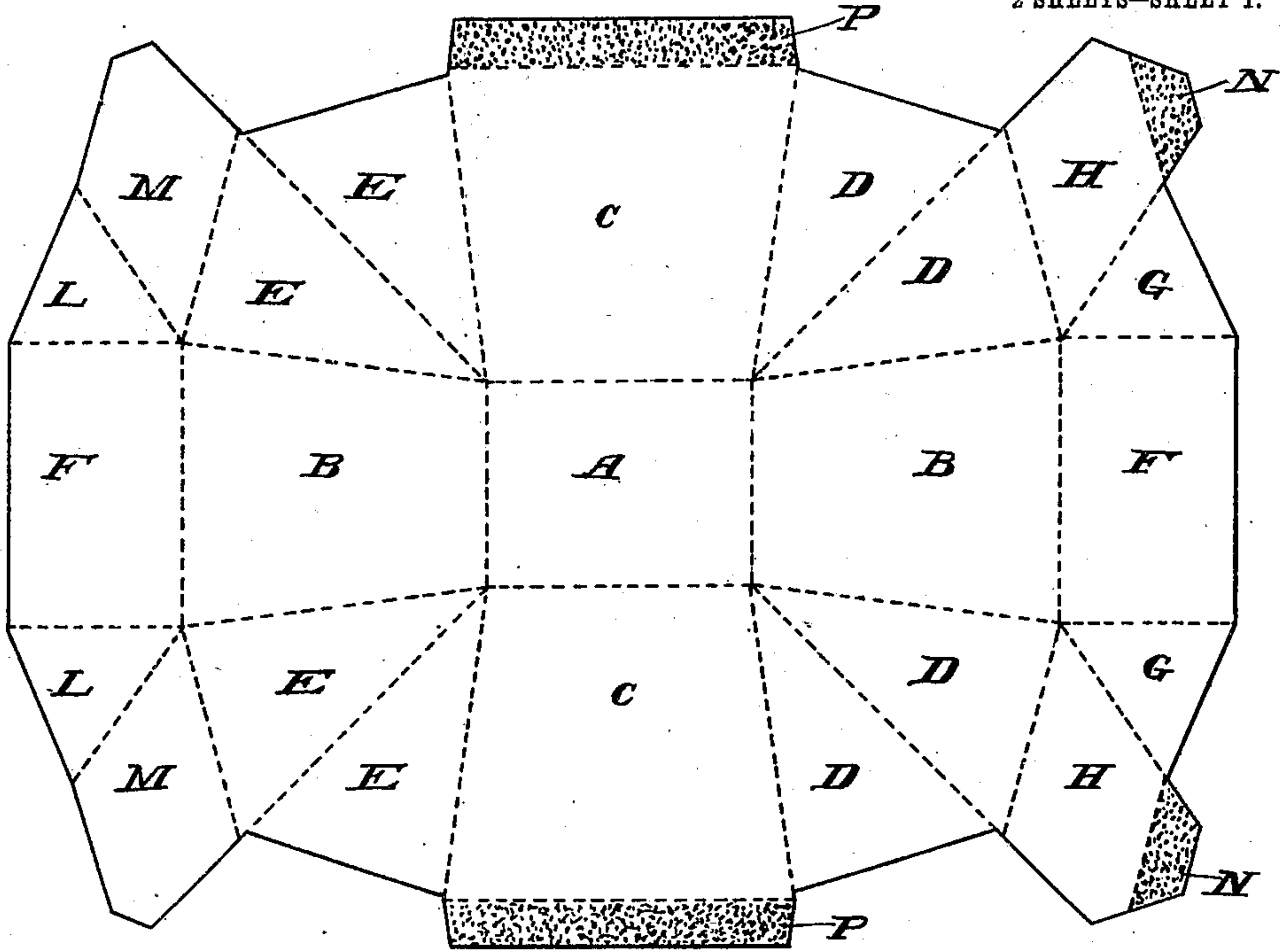


Fig. 1.

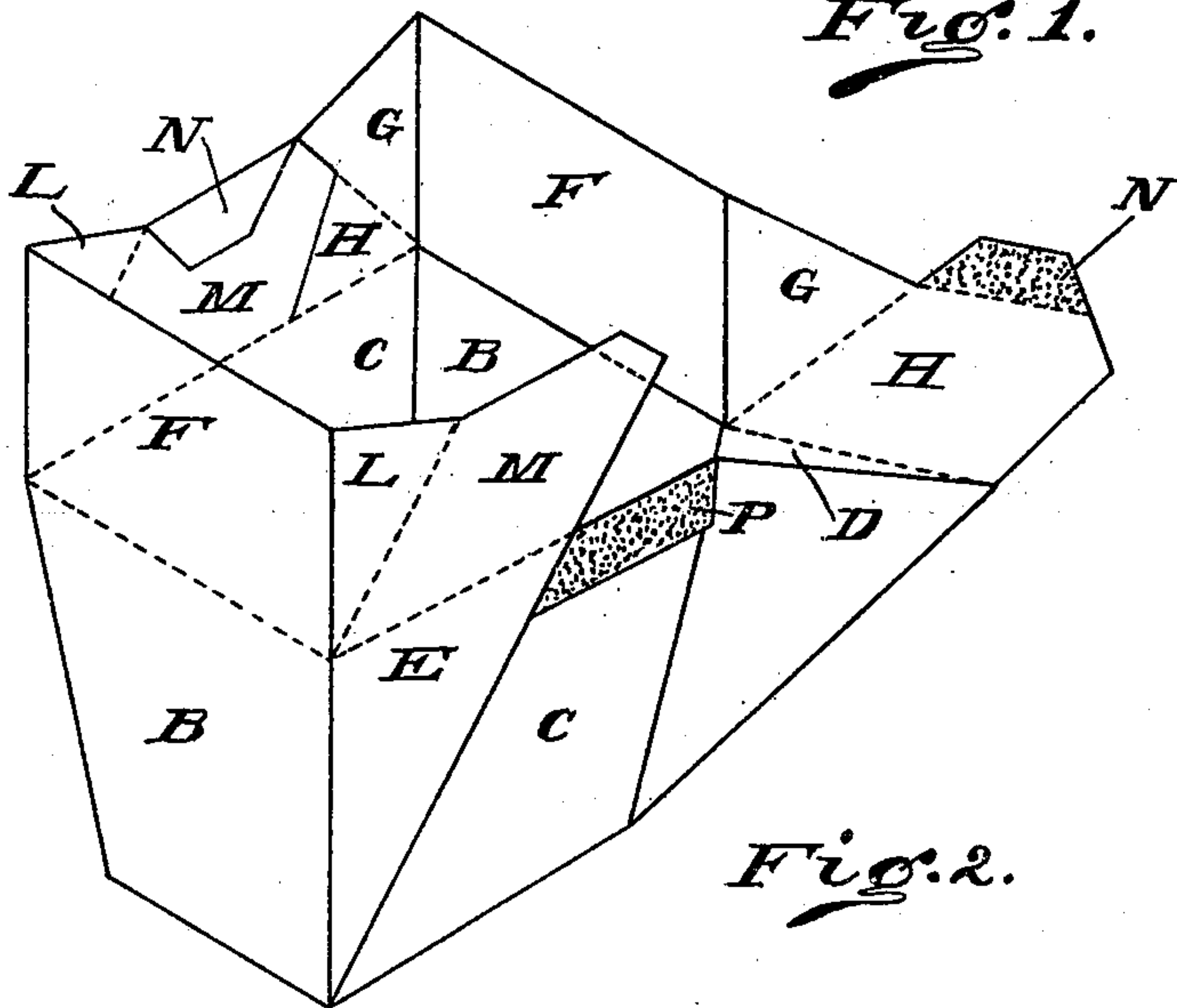


Fig. 2.

Witnesses
Elena Gitchard
O. M. Rogers

Inventor
Will M. Kinnard
by Alfred M. Allen
Attorney

W. M. KINNARD.
PAPER PAIL.
APPLICATION FILED MAY 31, 1904.

Patented Nov. 10, 1908.

2 SHEETS—SHEET 2.

903,481.

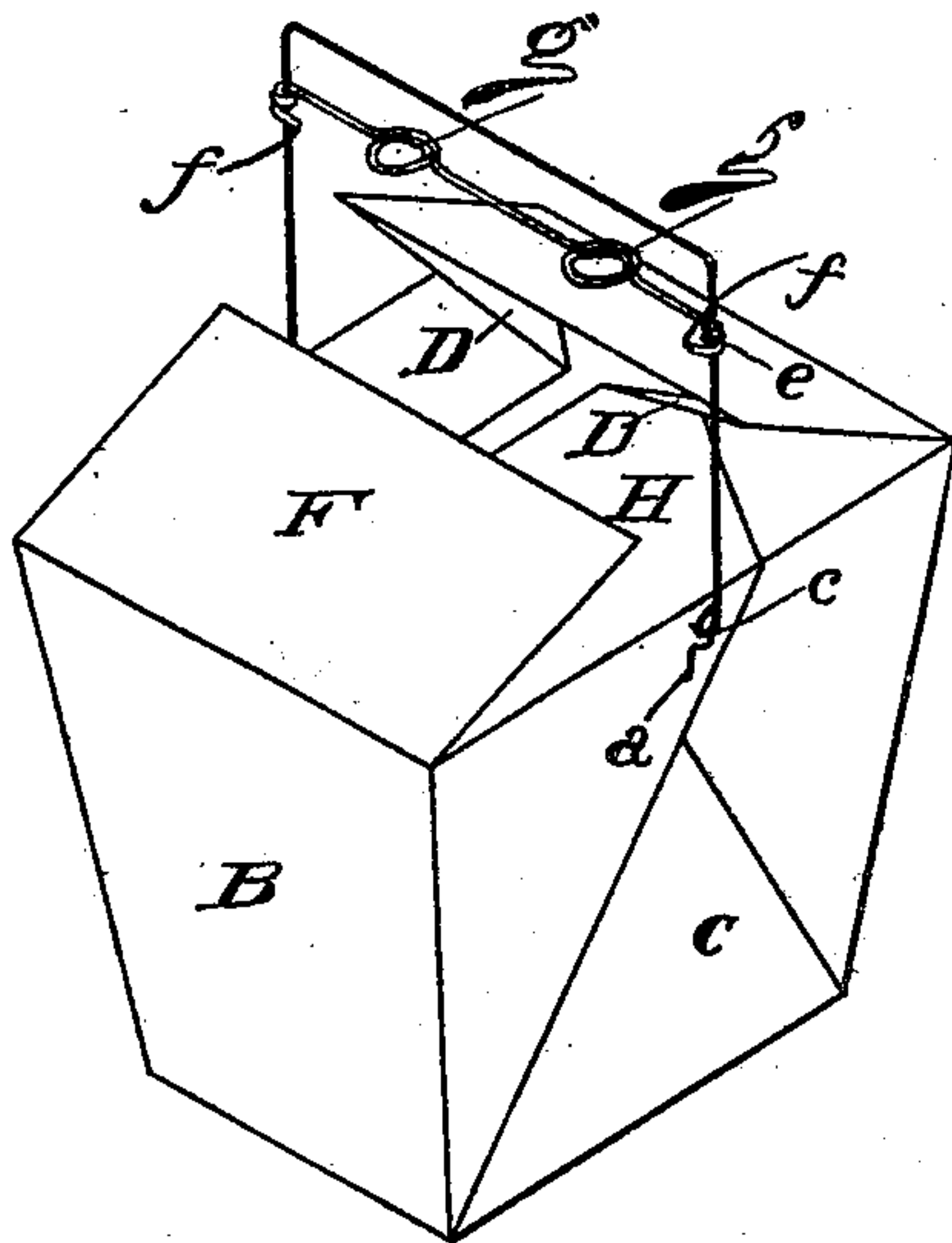


Fig. 3.

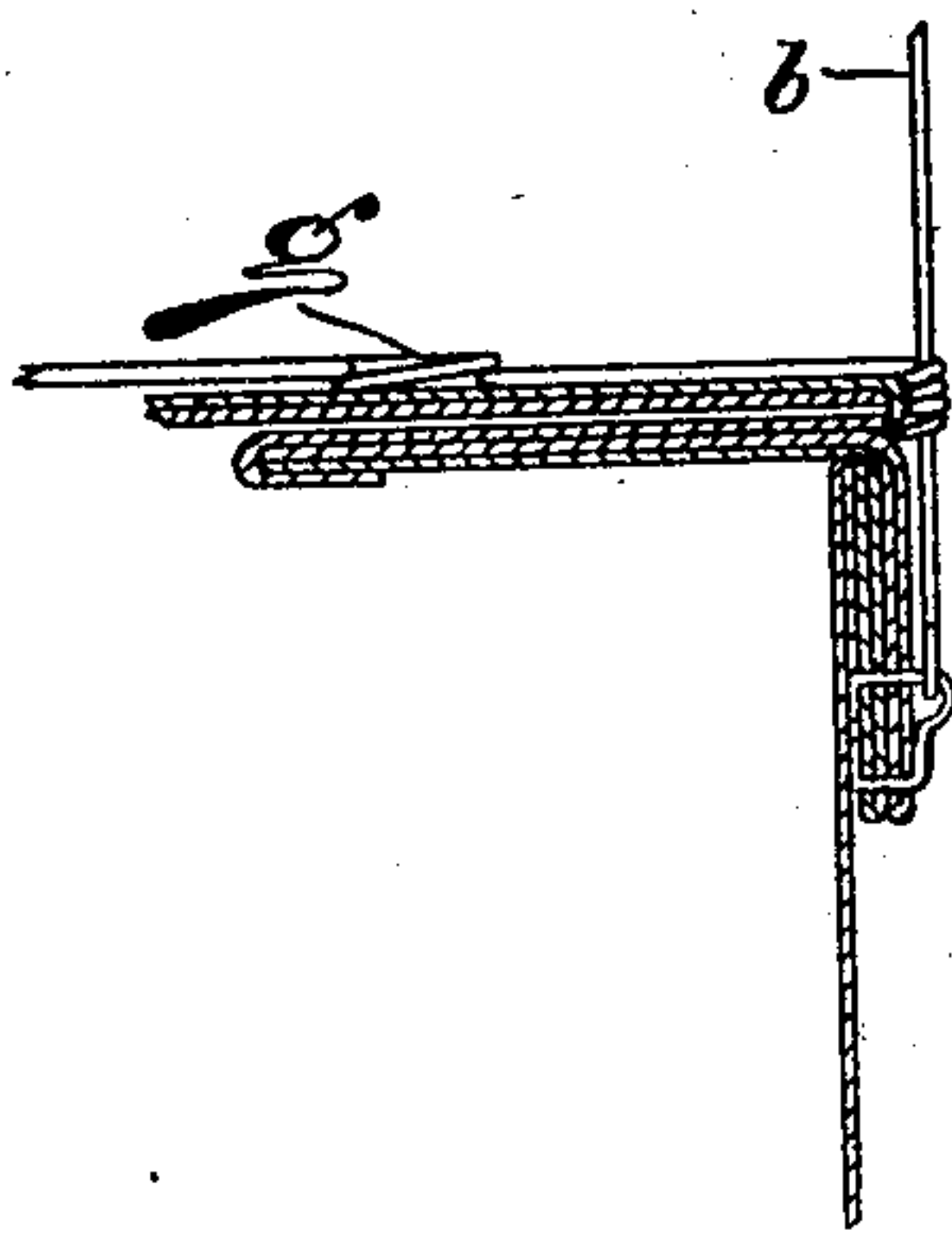


Fig. 5.

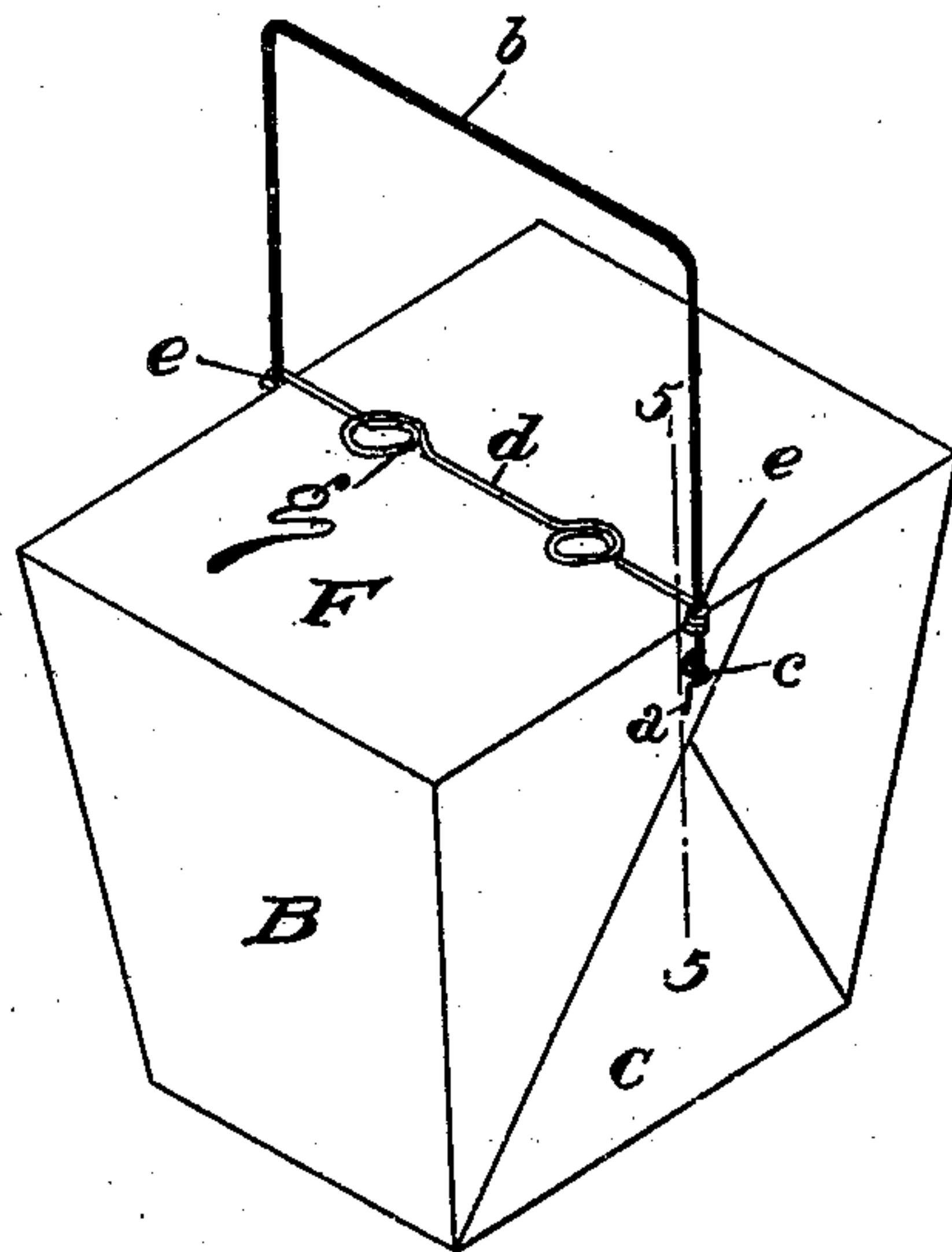


Fig. 4.

Witnesses
Islena Critchard
O. M. Rogers

Inventor
Will M. Kinnard
by Alfred M. Allen
Attorney

UNITED STATES PATENT OFFICE.

WILL M. KINNARD, OF DAYTON, OHIO, ASSIGNOR TO CHARLES B. OGLESBY, OF MIDDLETOWN, OHIO.

PAPER PAIL.

No. 903,481.

Specification of Letters Patent.

Patented Nov. 10, 1908.

Application filed May 31, 1904. Serial No. 210,444.

To all whom it may concern:

Be it known that I, WILL M. KINNARD, a citizen of the United States, residing in Dayton, county of Montgomery, and State of Ohio, have invented certain new and useful Improvements in Paper Pails, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to improvements in the construction of that class of paper pails which are intended for grocers' uses in carrying oysters, semi liquid and liquid substances, and the first object of my invention is to provide suitable sealing extensions for the folds of the pail, in order to render the pail as perfectly sloop proof as possible, and to prevent any of the liquid contents from leaking out between the folds of the side walls.

A further object of my invention is to provide a cheap and effective locking device for locking down the extensions of the side walls, which are intended to fold over and form, the horizontal top or cover for the pail.

In the drawings Figure 1 represents the blank from which my improved pail is constructed. Fig. 2 is a perspective view of the blank partly folded. Fig. 3 is a perspective view of the pail complete, with the top covers partly open. Fig. 4 is a perspective view of the pail closed. Fig. 5 is a detail sectional view taken on the lines 5, 5 of Fig. 4.

A blank of suitable paper material is cut and scored, as shown in Fig. 1, in which A forms the bottom, B, B the end walls, and C, C the side walls. D, D and E, E are the inner folds between the side and end walls, which are folded together to form triangular side folds which overlap the side walls, and are stapled together in the usual way. F, F are extensions of the end walls to fold over horizontally and form the top cover, and these extensions are provided with the corner fold extensions G, H, G, H, and L, M, L, M. The corner fold extensions H, H are provided with locking tongues N, N, and the side walls C, C are also provided with locking extensions P, P. These locking extensions P, P are coated with glue, or other suitable adhesive material. The blank being thus formed, the side and end walls are raised into erect position from the bottom with the corner folds D, D and E, E folded together and overlapping the outer side of the side walls C, C.

With the pail in this condition staples *a, a* are then inserted, and locked through the overlapping portions of the corner folds to secure them together, the staple, however, not passing through the side walls C, C, so that there is no break in these side walls. This stapling can readily be done by inserting the pail in the stapling machine with the face plate of the stapling machine inserted between the overlapping corner folds, and the side walls. The locking extensions P, P are then turned down outside of the side walls C, C, so that by moistening the glued portion, if it has become dry, the corner folds can be pressed together tightly against the upper portion of the side walls, and by reason of this locking extension, the side walls and the corner folds be firmly secured together, and so that any passage-way from the interior of the pail through or along the corner folds is securely sealed. The locking tongues N, N are then folded over the corner fold extensions M, M on each side and the glued portion secured.

For the purpose of locking down the extensions of the ends, and the corner fold extensions, which form the top or cover of the pail, I mount the wire strip *d* loosely on the side arms of the bail *b*, which bail is hooked within the eyes *c, c* of the staples *a, a*. A few turns of the end of the wire *d* are taken around the bail *b* to form a loose sliding connection *e, e* between the wire strip *d*, and the bail handles, while the end of the wire strip projects inwardly at *f* to form a locking point. To form a more satisfactory clamp, I also prefer to make loops *g, g* in the wire between the ends. When the top covers are folded down in the usual way, the locking strip *d* is pushed down on the bail handles and the projecting points *f, f* engage the paper at the top edge of the pail, thus securing the locking strip and locking down the top covers. The rough ends of the wire strip formed by the coils around the bail handles will themselves engage and lock down the strip, although the pointed ends *f, f* assist in the engagement.

Of course, it will be understood that it is not essential that the locking piece should be made of wire, nor do the loops *g* form any part of the essence of the locking device. The essential feature is that the locking strip with its intermediate engaging surface shall be mounted to slide loosely on the bail han-

dles and be provided at the bail handles with some roughened or turned in portion and to engage the portion at the sides of the pail when the lock is pushed down.

5 In the construction of oyster pails of this class, various forms of locks for the top covers have been provided, but heretofore the top covers could only be folded in one way to utilize the locking feature.

10 It will be evident that with this general construction of pail the cover can be so folded that the end extensions *f, f* shall be on the outside, as shown in Fig. 3, or that the end extensions can be folded inside and the corner fold extensions folded over on the outside. Heretofore tin strips have been used to clamp over the end extensions when they are on the outside, and these cannot be used when the cover is folded the other way.

20 When folded the other way, corner folded extensions have been provided with tongues and slots to lock into each other, but with these locks the end extension *F* cannot be folded on the outside.

25 It will be seen that my improved locking device being secured to the bail handles and not being connected either to the end extensions or the corner fold extensions, the top covers can be folded in either way as the desires of the user may dictate. When the pail is open in condition to receive its contents, the bail handle is turned back out of the way and the locking device is slid to the outer end of the bail. When the cover has

30 been folded down, and the bail raised the locking device at once drops down into place and a slight pressure on the ends securely locks it down.

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

1. A paper pail made from a blank of suitable paper material having side and end walls, with corner folds folded over outside the side walls, the side walls having integral uncut extensions the length of the side walls, each extension folded down between its respective side wall and the adjacent fold of the corner folds, with adhesive material to seal said extension to the corner folds.

2. A paper pail made from a blank of suit-

able paper material, having side and end walls, with corner folds folded over outside the side walls, said end walls and corner folds having extensions folded together to form the cover for the pail, the side walls having integral and uncut extensions the length thereof, each extension folded down between its respective side walls and the adjacent fold of the corner folds, with adhesive material to seal said extensions to the corner folds.

3. A paper pail made from a blank of suitable paper material having side and end walls, with corner folds folded over outside the side walls, the end walls having extensions, with corner extensions between the adjacent corner folds and end extensions, the outside corner fold extension at one end having flaps folded down over the opposite corner fold extension when the corner folds are folded, with adhesive material to secure the flaps.

4. A paper pail made from a blank of suitable paper material, having side and end walls with corner folds folded over outside the side walls, the end walls having extensions with corner extensions between the adjacent corner folds and end extensions, the outside corner fold extensions at one end having flaps folded down over the opposite corner fold extension, when the corner folds are folded, with adhesive material to secure the flaps, the side walls having integral, narrow, uncut extensions the length thereof, each folded down between its respective side wall and the adjacent fold of the corner fold, with adhesive material to seal said extensions to the corner folds.

5. In a paper pail made from a blank of suitable paper material, with integral cover thereof, the combination with the bail, of a wire strip loosely coiled at each end on the bail, with the ends of the wire projecting inwardly to form points to engage the sides of the pail, when the wire strip is depressed to lock the cover in place.

WILL M. KINNARD.

Witnesses:

C. V. HARGITT,
GLENA PRITCHARD.