

D. M. Cole

Box for Cheese

No. 74797

Patented Feb. 25 1868

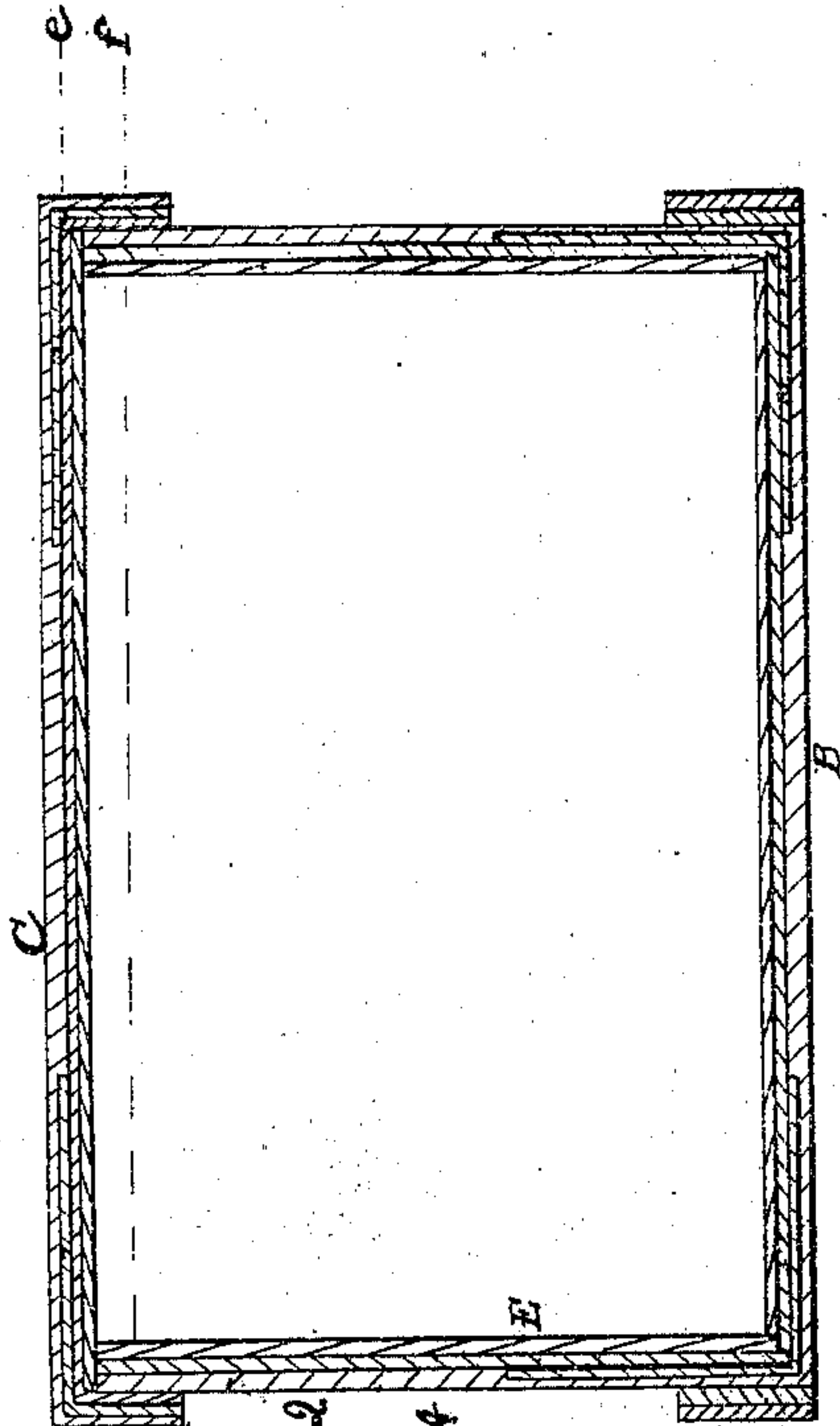


Fig. 2

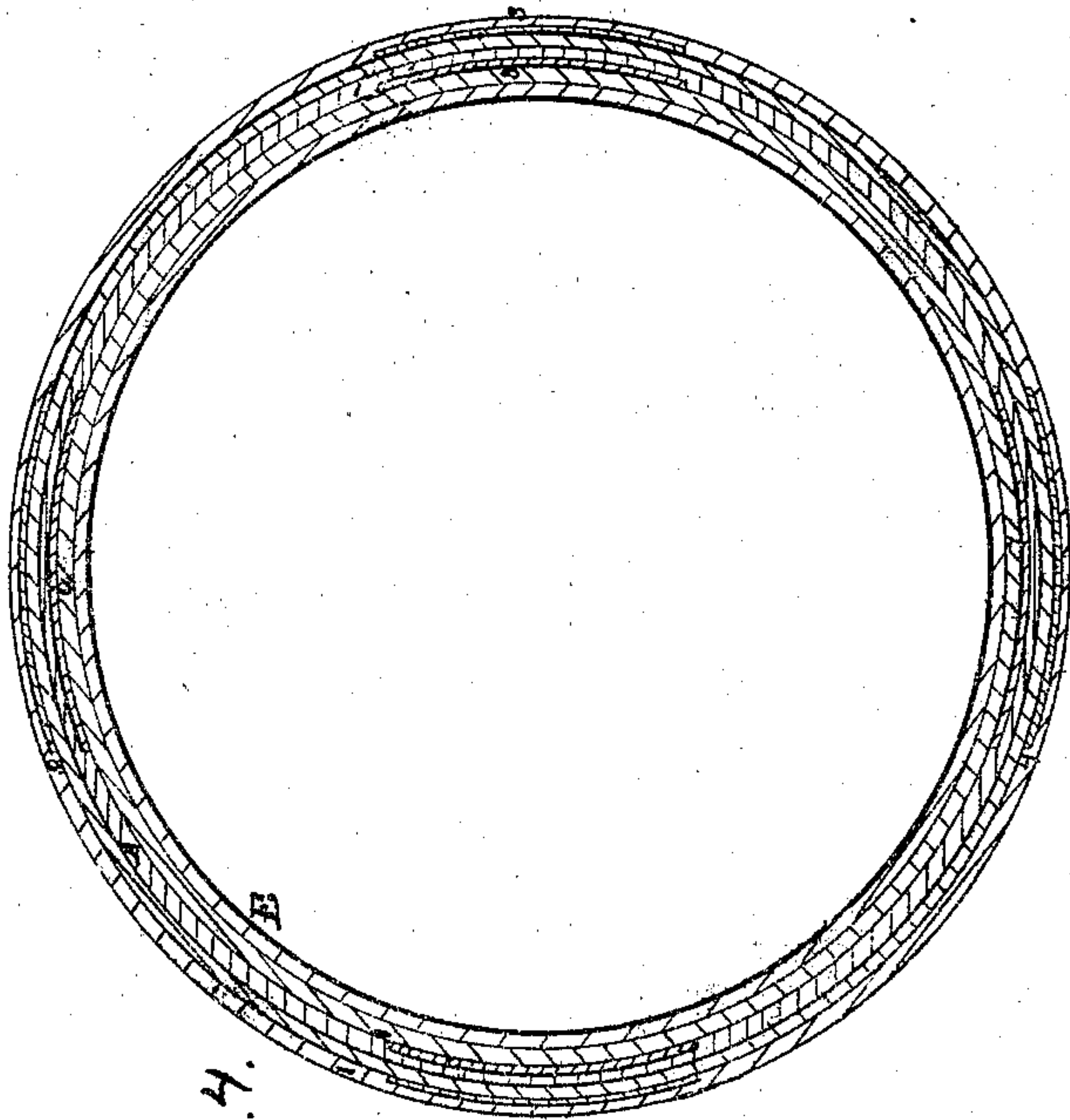


Fig. 4

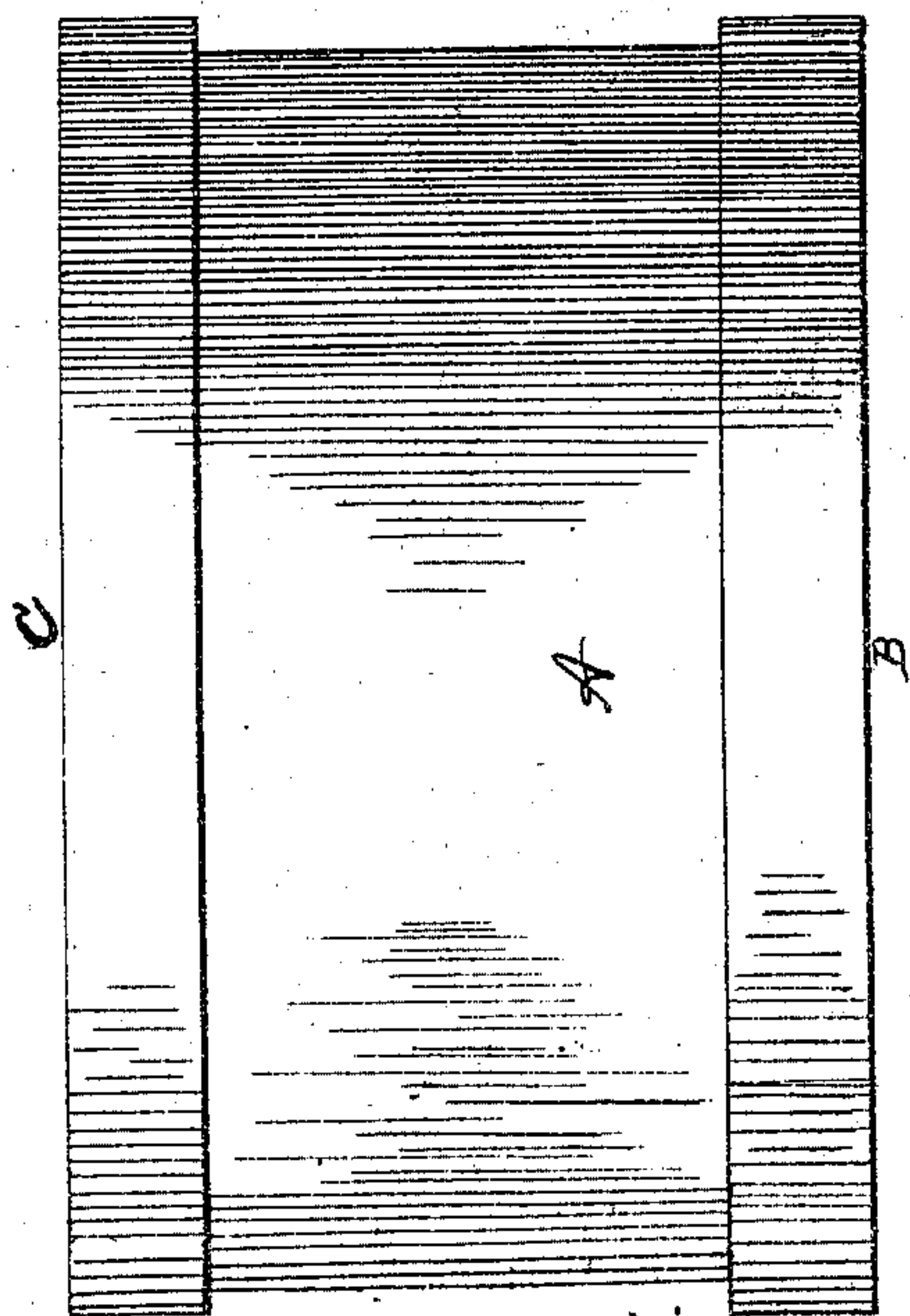


Fig. 1

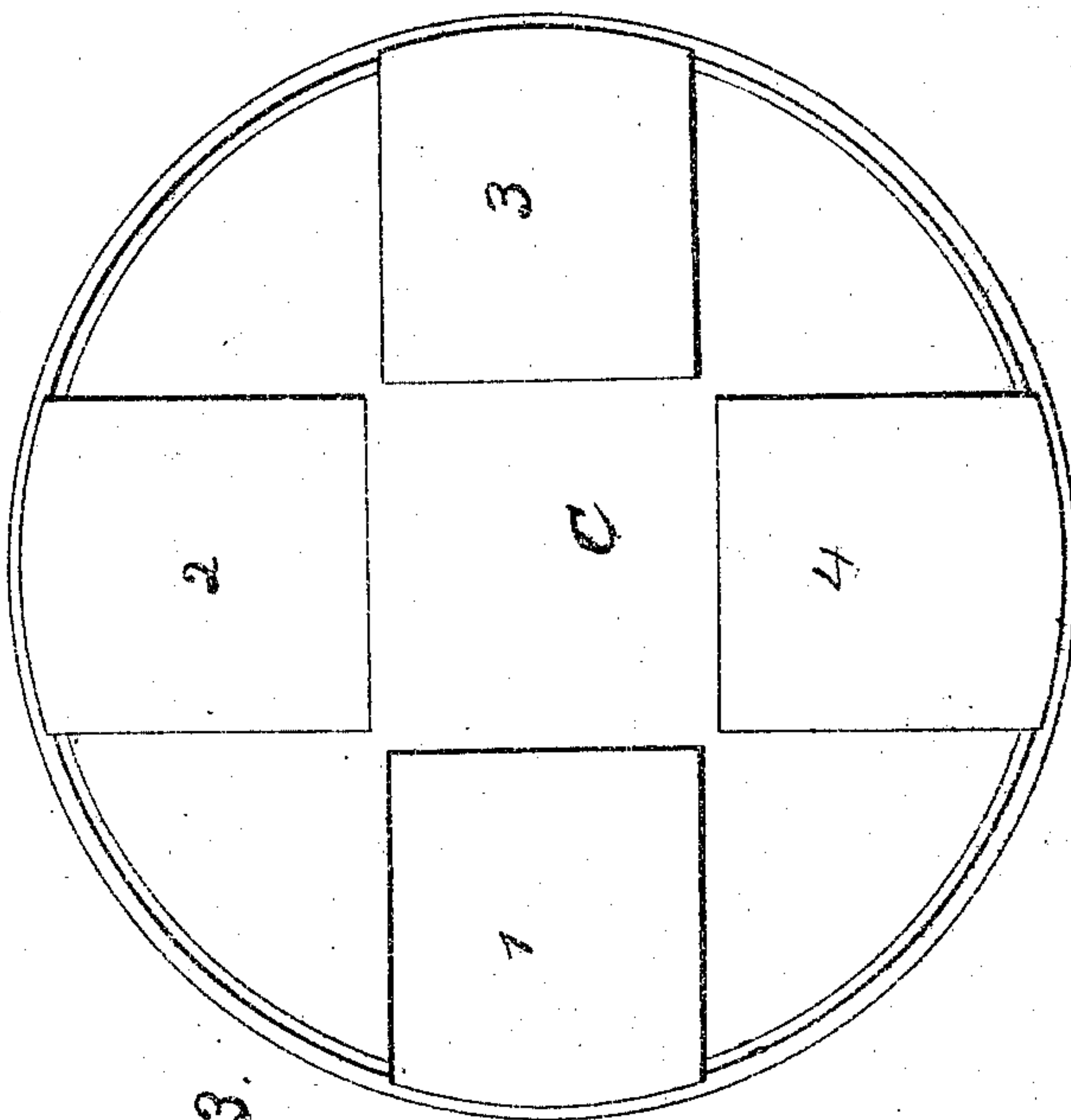


Fig. 3

A. H. Sherburne.

Witnesses.

Inventor. D. M. Cole.



# United States Patent Office.

D. M. COLE, OF ELGIN, ILLINOIS.

*Letters Patent No. 74,797, dated February 25, 1868.*

## IMPROVEMENT IN CHEESE-BOXES.

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

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, D. M. COLE, of Elgin, in the county of Kane, and State of Illinois, have invented a new and useful Improvement in Cheese-Boxes; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification, in which—

Figure 1 is a perspective view of the box.

Figure 2 is a vertical transverse section through the same.

Figure 3 is a transverse section on line *e e*, showing the manner of connecting the rim to the surface of the cover.

Figure 4 is a transverse section on line *f f*.

Similar letters of reference, where they occur in the separate figures, denote like parts in both of the drawings.

It is found necessary, in the manufacturing and preserving of cheese, to place the same in a tight box, composed of some thin material, so constructed as to closely cover the cheese, whereby the same is protected from the cheese-fly, which is destructive to the same. For this purpose wood has been formerly used, but there is a difficulty arising from the use of such boxes. The material of which the same is composed must necessarily be from one-fourth to three-eighths of an inch in thickness, to give the box the required strength. Thus the thickness of the material makes it difficult to bend to the proper shape without steaming, which opens the grain or pores of the wood; thus the sides of the box crack while seasoning, which makes the box imperfect. To obviate this difficulty, I construct my boxes of a thin veneering of wood covered with several thicknesses or layers of heavy paper, firmly compressed together in a solution of glue, white lead, and alum, or any equivalent substance, whereby the same is made tight, firm, and durable.

To enable others skilled in the art to construct and use my invention, I will proceed to describe the same with reference to the drawings.

A represents the sides of the box, and B the bottom, which is of several layers of heavy paper. Said bottom is connected to the sides by means of pieces of cloth of any textile substance, 1 2 3 4, more or less, which is fastened between the upper and lower layer of paper by means of a solution of glue, white lead, and alum, (or any equivalent adhesive substance.) Their outer ends are bent around and upward between the outer and inner layers of the sides of the box, and are also fastened therein by means of said solution, thus firmly connecting the sides to the bottom. C represents the cover, which is connected to the rim thereof by means of like textile substance and solution. E represents the inner layer or casing, which is of a thin veneering of wood, firmly connected to the paper, forming the outer casing or side of the box, by means of said solution.

The objects of this style of box are several. First, by using paper for the outer casing, and connecting the same to the bottom by means of said strips of cloth, the box can be made tighter, more durable, and at a less expense than any heretofore-known arrangement; second, by constructing the inner casing of a thin veneering of wood, the dampness from the cheese is prevented from softening the paper. Thus the cheese can be preserved for a greater length of time than if the same were packed in all wood or paper boxes.

I am aware that boxes have been known and used, constructed of all paper, the bottom of the sides of the same being notched and bent around and connected to the bottom, but such I do not claim, broadly considered.

Having thus described the nature and object of my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination of the outer and inner case E and A, constructed substantially as and for the purpose specified.

2. Connecting the cover and bottom to the rim and sides of a paper box, by means of strips of textile substance, 1 2 3 4, more or less, substantially as and for the purpose set forth.

D. M. COLE.

Witnesses:

N. H. SHERBURNE,

O. DAVIDSON.