A. E. KLINGENBERG.

BOX.

APPLICATION FILED APR. 24, 1909.

941,323.

Patented Nov. 23, 1909.

Fig. 1.

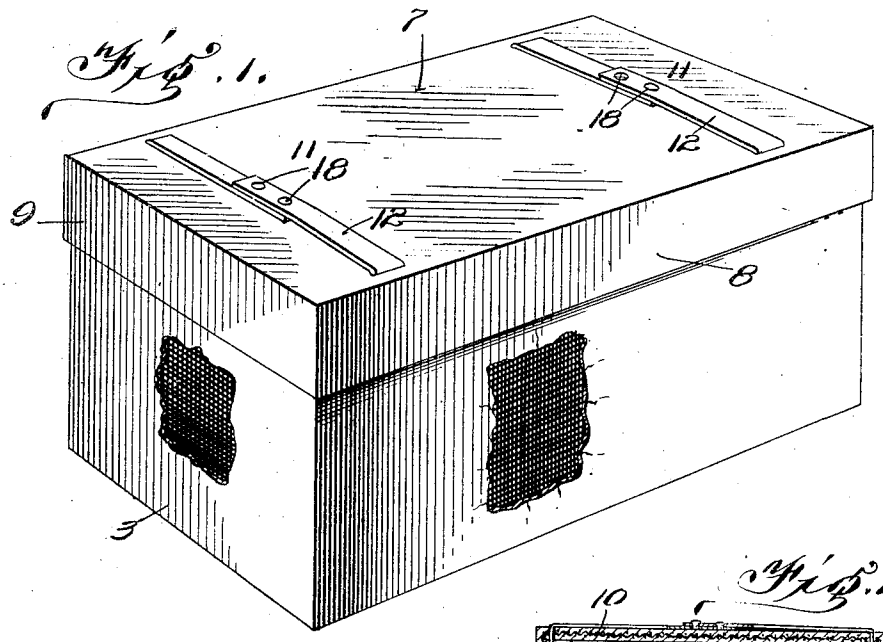

Fig. 2.

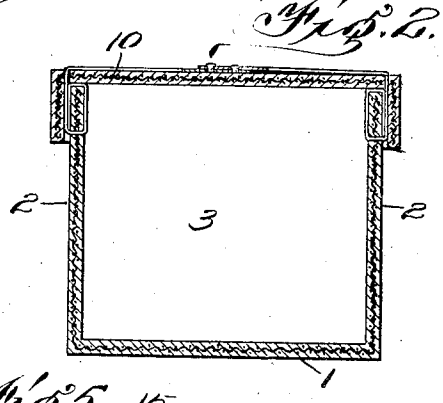

Fig. 3.

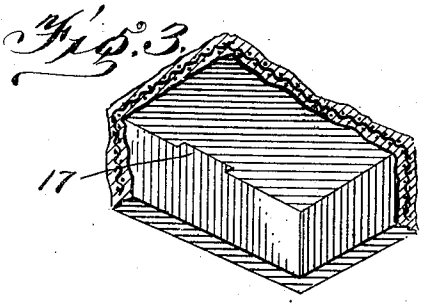

Fig. 4.

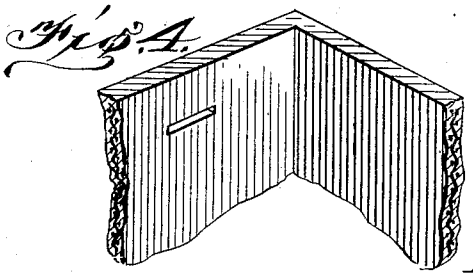

Fig. 5.

Fig. 6.

Witnesses

F. C. Gibson.

James A. Kull

Inventor

Albert E. Klingenberg.

By Victor J. Evans

Attorney

UNITED STATES PATENT OFFICE.

ALBERT E. KLINGENBERG, OF GRANITE CITY, ILLINOIS.

BOX.

941,323. Specification of Letters Patent. Patented Nov. 23, 1909.

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To all whom it may concern:

Be it known that I, ALBERT E. KLINGENBERG, a citizen of the United States, residing at Granite City, in the county of Madison and State of Illinois, have invented new and useful Improvements in Boxes, of which the following is a specification.

This invention relates to boxes or similar receptacles, and has for an object to provide a device of this character that will be particularly adapted for use in the transportation of eatables, and which will be constructed in such manner that its walls will be strongly reinforced at all points by a metallic member which is also adapted to prevent mutilation of the walls of the box, such as their being gnawed by rats or the like.

A still further object of my invention is to provide a novel form of fastening device adapted for engagement with walls of the box and with the cover so as to hold the latter in its closed position and locked during transportation of the box.

Other objects and advantages will be apparent as the nature of the invention is better set forth, and it will be understood that changes within the scope of the claim may be resorted to without departing from the spirit of the invention.

In the drawing, forming a portion of this specification and in which like numerals of reference indicate similar parts in the several views:—Figure 1 is a perspective view of the box with parts broken away to more clearly illustrate the invention. Fig. 2 is a cross section through the box. Fig. 3 is a detail sectional perspective view of a portion of the cover of the box. Fig. 4 is a detail sectional perspective view of a portion of the box with the cover removed. Fig. 5 is a detail perspective view of one of the locking members. Fig. 6 is a detail vertical section through one of the vertical walls of the box showing the manner of connecting thereto one of the cover locking members.

Referring now more particularly to the drawing, there is shown a box or receptacle comprising a body having a bottom 1, parallel spaced side walls 2 and similar end walls 3. The box or receptacle in the present instance is of rectangular form, but it is obvious that it can be of any desired form or shape and I do not desire to limit myself in this respect. The walls of the box have embedded therein a metallic frame 4 which in this instance comprises interwoven wire strands 5 and 6 the former extending through the walls of the bottom and through the sides 2 at right angles to the strands 6 and are properly spaced from each other as clearly shown in Fig. 6 of the drawing. In practice, I preferably arrange the metallic frame upon a suitable support and then plaster upon both sides of the walls of the frame a plastic substance, such as paper pulp, but I do not desire to limit myself in this particular as if found desirable I may use layers of paper-board arranged at both sides of the walls of the metallic frame and then compressed to form a perfectly rigid structure.

A cover 7 is herein shown and is provided with depending side flanges 8 and similar end flanges 9. The cover is constructed in a manner identical with that described in the construction of the body of the box or receptacle and is provided with a metallic reinforcing frame 10 of interwoven wires as illustrated. Cover locking members 11 are provided and consist of flexible strips or elements 12 which have their inner ends threaded through passages 13 formed in the side walls 2 of the box and are provided with upwardly extending portions 14, inwardly extending portions 15 and also with downwardly extending portions 16 which latter are disposed in spaced relation to the upwardly extending portions 14. This construction is such that the inner terminal end of each strip or element 12 is securely fastened to the body portion of the box, and when thus attached is adapted to have its outer end portion inserted through a passage 17 formed in the cover 7 and then folded at right angles to the sides of the box so that the opposite strips at each end of the box can be folded to bring their outer terminal ends one above the other so as to be engaged by rivets or suitable fastening devices 18.

The construction of the metallic frame of the body portion of the box does not only serve as means for reinforcing the walls of the box but the construction is such that when the inner portions or ends of the strips 12 are passed through the passages 13 in the side walls, such portions will be confined between certain of the strands 5 of the metallic frame and certain of the strands 6 so that when strain is exerted upon the said strips there will be no tendency to pull away such portions of the walls of the box

with which the strips are secured. The flanges 8 of the cover when the latter is in its operative position entirely cover the portions of the flexible strips at their points of attachment to the side walls 2 so as to prevent such portions being tampered with as will be fully understood.

I claim:—

A receptacle having a wire frame embedded in the walls thereof, a closure for the receptacle, flexible closure-engaging strips carried by the side walls of the said receptacle and adapted to be secured to each other to hold the closure against displacement, said metallic strips having portions extending through the wire strands forming the said metallic frame and provided with inner portions which are bent around the upper edge portions of the side walls of the said receptacle, and flanges carried by the closure adapted to house the attached ends of the said flexible strips.

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

ALBERT E. KLINGENBERG.

Witnesses:

R. C. BARNEY,

O. M. HEHNER.