

J. L. RUSSELL.
Wagon-Box.

No. 216,976.

Patented July 1, 1879.

Fig. 1

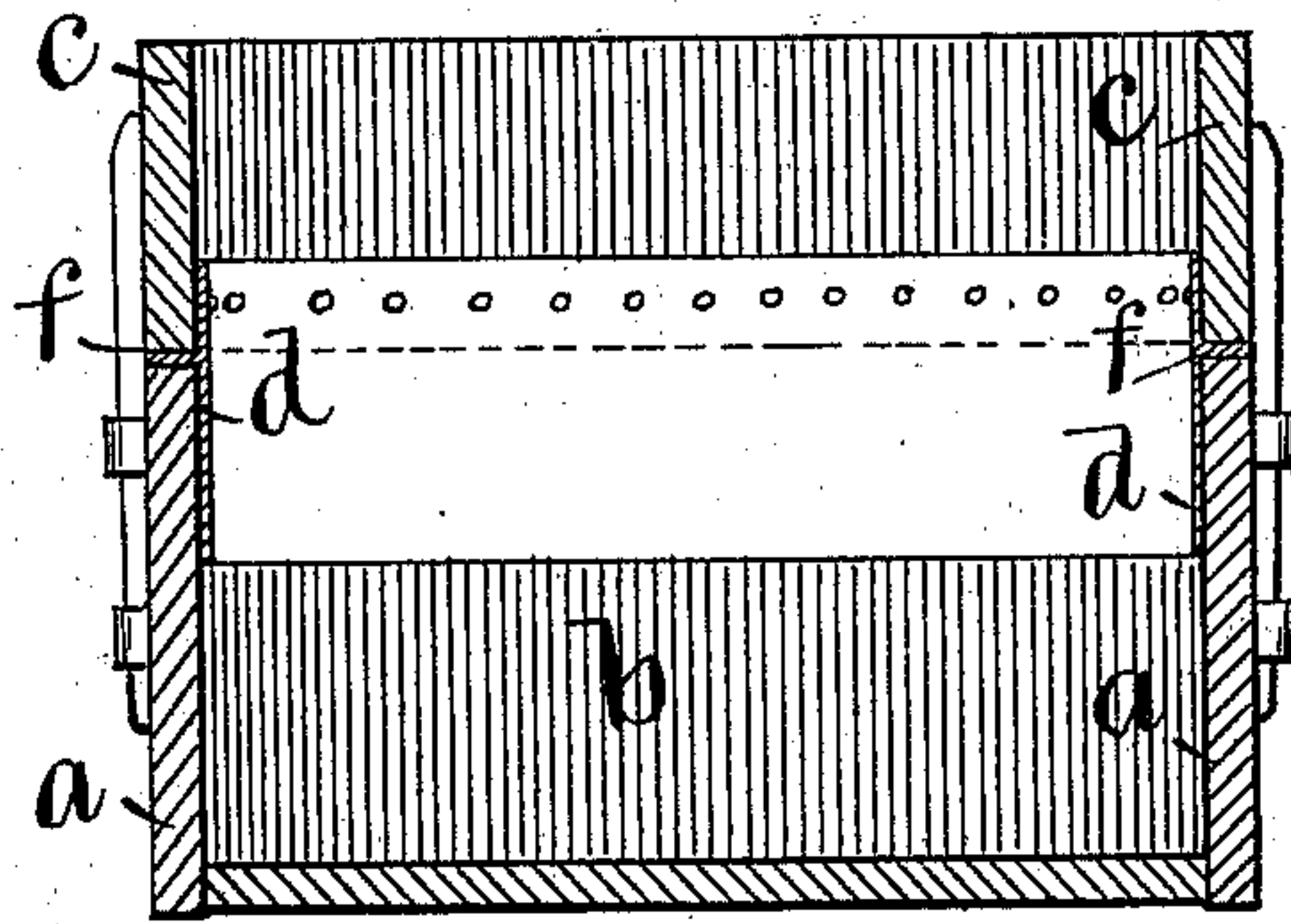
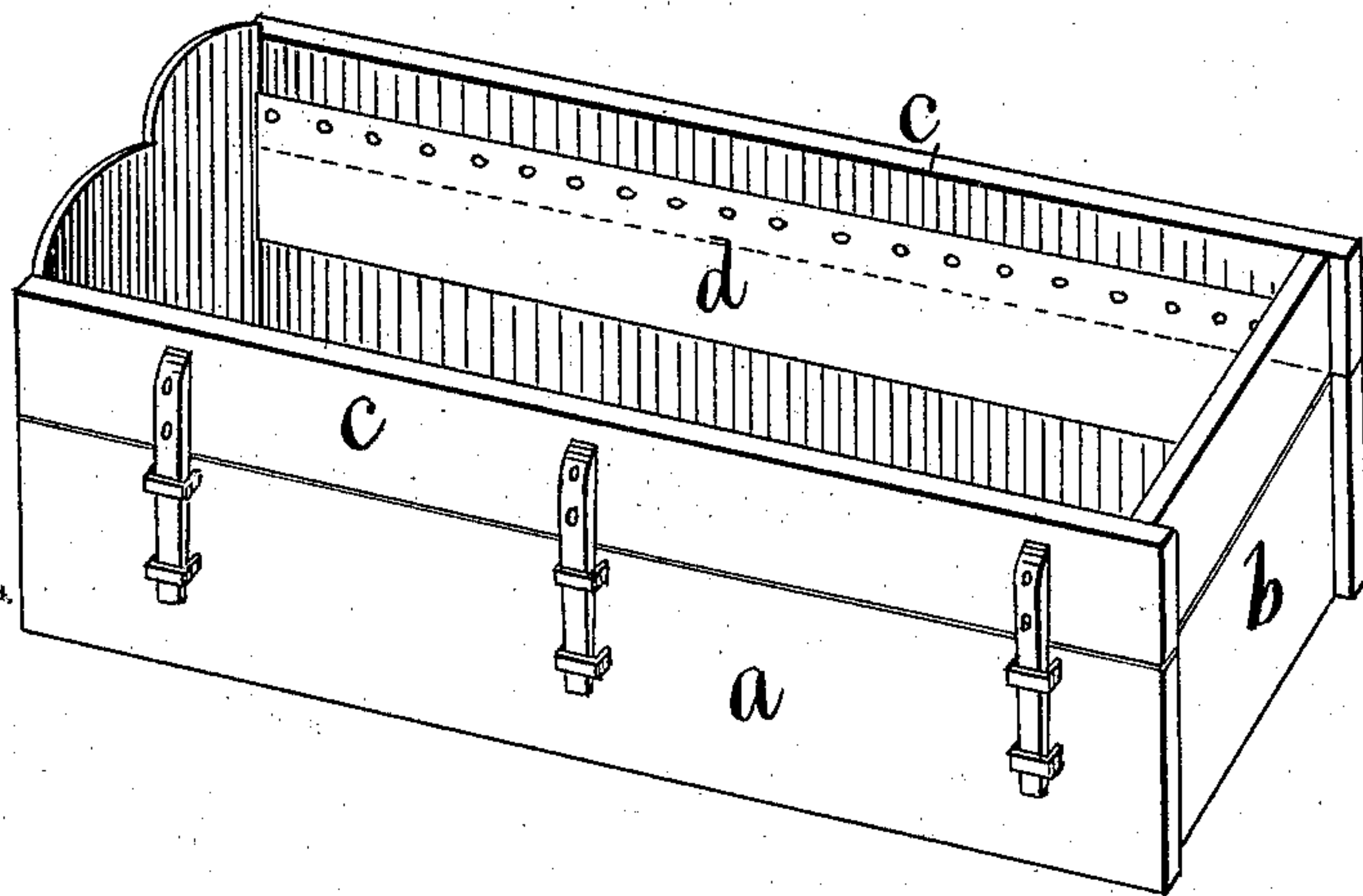


Fig. 2



Witnesses:

P. C. Kenyon,

Erastus H. Smith,

Inventor:

John L. Russell,

By Thomas G. Orwig,
attorney.

UNITED STATES PATENT OFFICE.

JOHN L. RUSSELL, OF PRAIRIE CITY, IOWA.

IMPROVEMENT IN WAGON-BOXES.

Specification forming part of Letters Patent No. **216,976**, dated July 1, 1879; application filed December 2, 1878.

To all whom it may concern:

Be it known that I, JOHN L. RUSSELL, of Prairie City, in the county of Jasper and State of Iowa, have invented an Improved Wagon-Box, of which the following is a specification.

The object of my invention is to provide a means of enlarging a common wagon-box in such a manner that when the enlarged box is filled with small grain in bulk it will not leak through the joints.

Heretofore side boards and auxiliary boxes have been placed upon the top edges of the wagon-box, and secured by means of standards and staples; but the joint was uncovered, and much grain would be lost by working through between the two parts and dropping from the wagon when it was in motion.

My improvement consists in attaching a sheet-metal apron to the lower edge of an auxiliary box, to overlap and close the joint formed between the two parts of the complete wagon-box, as hereinafter fully set forth.

Figure 1 of my drawings represents a cross-section of my improved box. Fig. 2 is a perspective view. Jointly considered, they illustrate the construction and operation of my complete invention.

a a are the sides of a common wagon-box; *b b*, the ends. They are rigidly joined together in any suitable way.

c c are the sides of an auxiliary box. They correspond in length with the sides *a* of the main box, upon which they are placed, and are supported by means of standards fixed to their outsides in such a manner that they will engage staples or sockets fixed to the outsides of the under and main box.

d d are sheet-metal plates, fastened against the inside and lower portion of the auxiliary box *c c* by means of nails or screws, in such a manner that they will form an apron to extend downward and to overlap the top portion of the main box *a b*, and to cover the joint formed by placing the auxiliary removable box upon the main box.

f f represent sheet-metal flanges, extending outward at right angles from the plates *d*, and under the bottom edges of the auxiliary box, to which they are fastened. These flanges are attached to the plates or aprons *d* by means of tenons, rivets, or in any suitable way, and serve to hold the aprons securely in place, and to prevent abrasion and the wearing away of wood from the lower edge of the auxiliary box.

My improved auxiliary box thus formed can be readily fitted to and placed upon a common wagon-box, to enlarge its capacity and to prevent the loss of grain that may be placed in the box and conveyed from one place to another, as required by farmers in delivering their grain to the market.

I claim—

The auxiliary wagon-box *c c*, having a sheet-metal apron, *d f*, rigidly and permanently attached, as shown and described, in combination with a common wagon-box, *a b*, substantially as and for the purposes set forth.

JOHN L. RUSSELL.

Witnesses:

J. W. COTTRELL,
SAML. RODES.