

W. FOGLESONG.
FASTENING DEVICE FOR PAPER VESSELS.

No. 519,571.

Patented May 8, 1894.

Fig 1

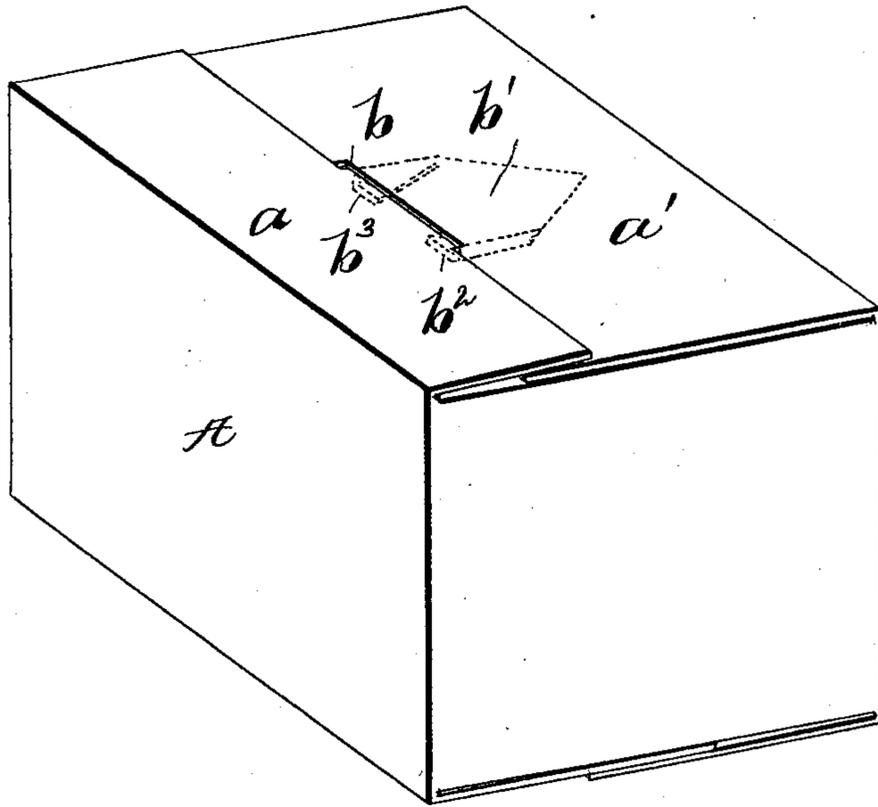
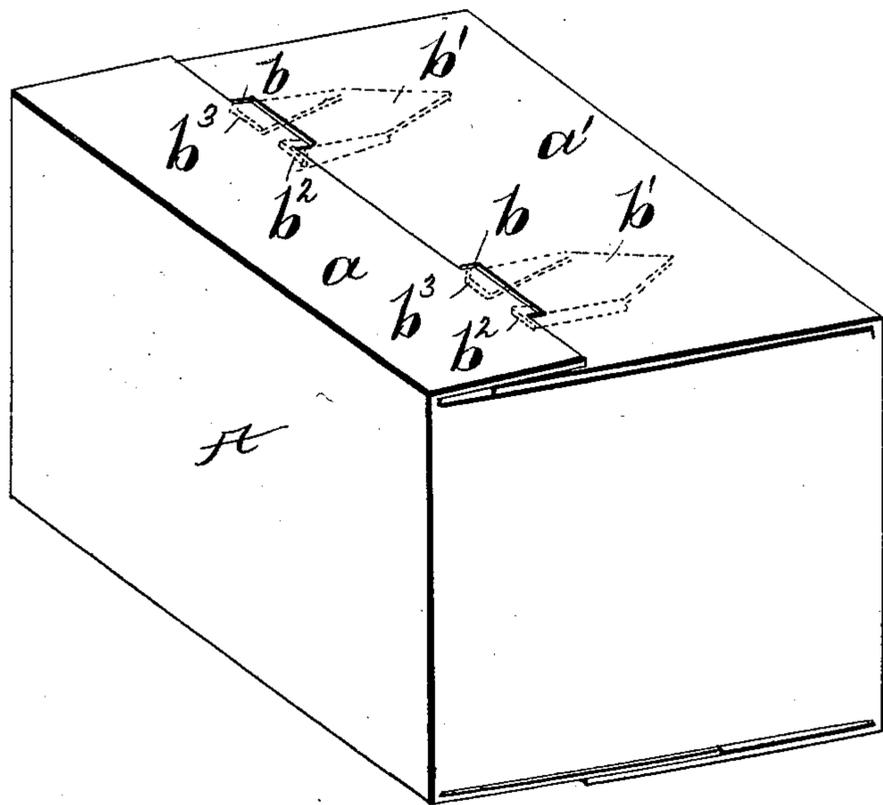


Fig 2



Witnesses
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Inventor
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Fig 3

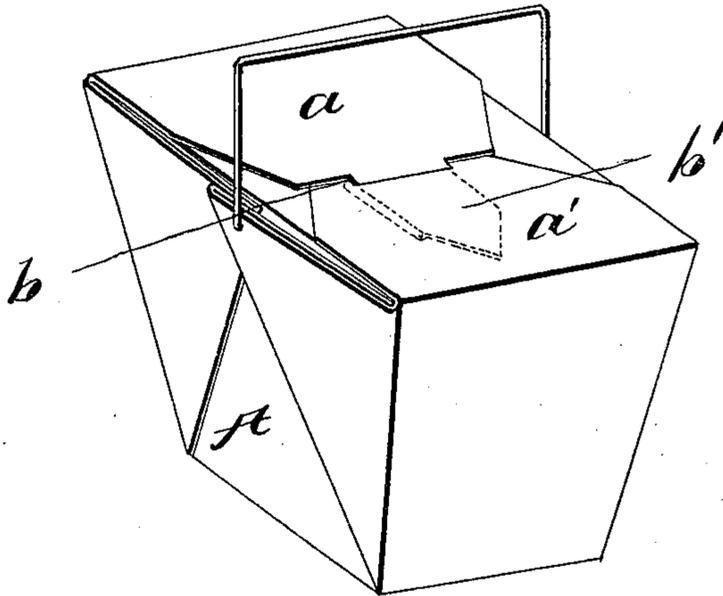


Fig 4

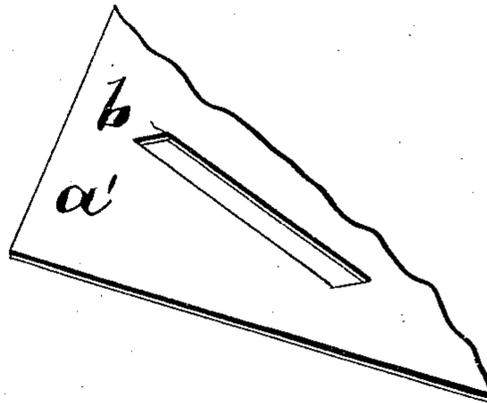
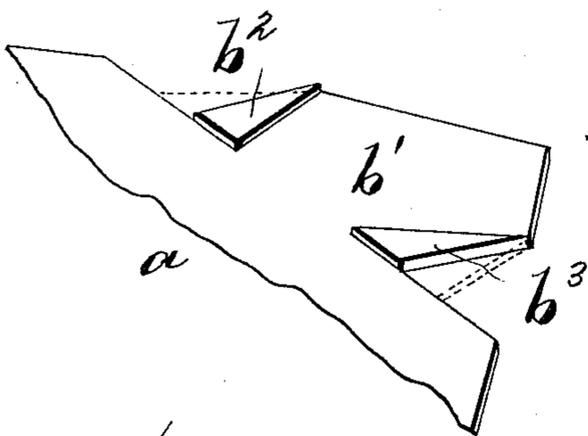


Fig 5

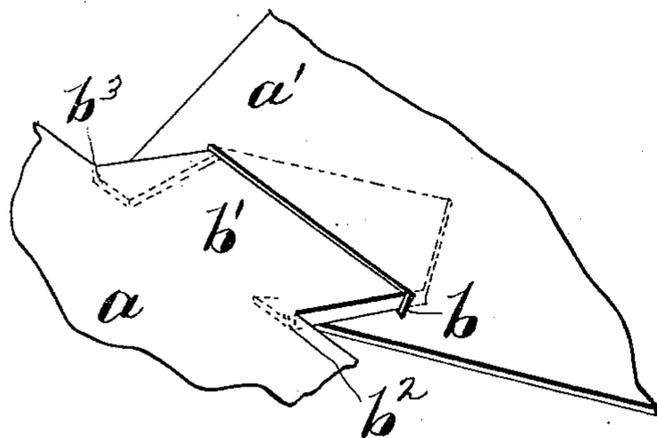


Fig 6

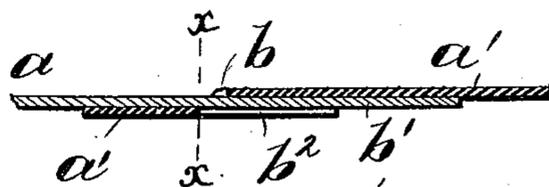
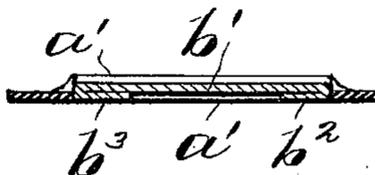


Fig 7



Witnesses
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UNITED STATES PATENT OFFICE.

WASHINGTON FOGLESONG, OF DAYTON, OHIO, ASSIGNOR TO THE BAKER & FOGLESONG MANUFACTURING COMPANY, OF SAME PLACE.

FASTENING DEVICE FOR PAPER VESSELS.

SPECIFICATION forming part of Letters Patent No. 519,571, dated May 8, 1894.

Application filed June 30, 1893. Serial No. 479,210. (No model.)

To all whom it may concern:

Be it known that I, WASHINGTON FOGLESONG, a citizen of the United States, residing at Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Fastening Devices for Paper Vessels; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My present invention relates to paper vessels or boxes of all kinds and consists in an improved construction for securing any two parts of the vessel together.

My said invention is illustrated in the accompanying drawings and is fully disclosed in the following specification and claims.

In the drawings, Figure 1 is a perspective view of a paper box having its cover or closing flaps secured together by my improved means or fastening device. Fig. 2 is a view of the bottom of a box having the two parts of the same secured together in the same manner. Fig. 3 is a similar view of a paper bucket or pail having the cover secured in like manner by my fastening device. Fig. 4 is a view of the under side of the tongued and slotted flaps. Fig. 5 is a view of a part of the two flaps with the tongue partially inserted. Fig. 6 is a longitudinal section through the two flaps, the tongue being in the position occupied when the parts are secured together. Fig. 7 is a transverse sectional view of the parts on line $x x$ of Fig. 6.

The object of my improvement is to provide a means of fastening two parts of a paper box or other vessel together so as to securely hold the parts together in the position desired.

In the drawings accompanying and forming a part of this application it is shown as employed in securing the two parts of a cover or covering flaps together, or to unite two parts of the bottom of a box as shown in Fig. 2.

The construction shown more in detail on Sheet 2 of the drawings may be taken as fairly illustrating the principle of construction which constitutes my invention. In this instance the pail or bucket A is provided with a cover in two parts $a a'$ as usual. The part a' is provided with a slot b of ordinary con-

struction which has in this case preferably a width equal to a little more than twice the thickness of the material of which the box or pail is composed. The part a is provided with a tongue b' which is made wider at its base than the slot b , and the inclined sides of the tongue are turned over and pressed closely upon the under side of the tongue, making the tongue of double thickness at these points. While these securing or locking portions $b^2 b^3$ of the tongue are shown as being triangular, this is not essential as they may be of rectangular form if preferred. The slot b is made the size indicated in the preceding paragraph so that the tongue b' with its locking portions or projections can be easily passed through the same without deflecting the walls of the slot. This large slot does not in any wise impair the strength of the lock as when the two parts $a a'$ are brought into the closed position they are nearly in the same plane and the projections engage one of the walls of the slot with absolute certainty. The parts are secured by passing the tongue b' through the slot b from the upper or outer side of the flap a' , and when the tongue is forced to the position best shown in Fig. 6, the folded locking portions lie in the same plane as the outer edge of the slot b , with which they engage, and prevent the withdrawal of the tongue. The parts are thereby held firmly in place.

I have found this method of securing the parts of paper boxes together applies equally well to pasteboard boxes, and can be used in holding the different parts in place where the parts are secured in position by any locking means, as shown for instance in Figs. 1, and 2. This form of joint or fastening may be used wherever desired to unite two paper parts.

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

1. The herein described fastening for paper parts, one of said parts being provided with a tongue having between its sides or edges a projection or projections; the other part being provided with a slot of a width to permit the passage of the tongue and its projections there through without engaging the walls of the slot whereby the tongue and its projections can be easily passed through the slot

and when the parts are brought into closed position the projections will engage one of the walls of the slot.

2. In a paper box or like article having one thickness of material folded upon another, the herein described securing means for said parts, one part being provided with a tongue having projection on its under side, and the other having a slot of a width to permit of the passage of the tongue and its projections there through without deflecting the walls of the slot, the said tongue in fastening passing over the portion of the material outside of the slot, whereby the projections are made to cer-

tainly engage the outer wall of the slot when the parts are brought to the closed position. 15

3. The herein described fastening for the parts of a paper box or for a like purpose, one of the parts being provided with a slot and the other with a tongue, the said tongue having portions at each side or edge permanently folded over and upon the tongue. 20

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

WASHINGTON FOGLESONG.

Witnesses:

E. THOMPSON,

C. W. DUSTIN.