

(No Model.)

A. C. PHILLIPS.
LOCK FOR WAGON BODIES.

No. 418,625.

Patented Dec. 31, 1889.

Fig. 1.

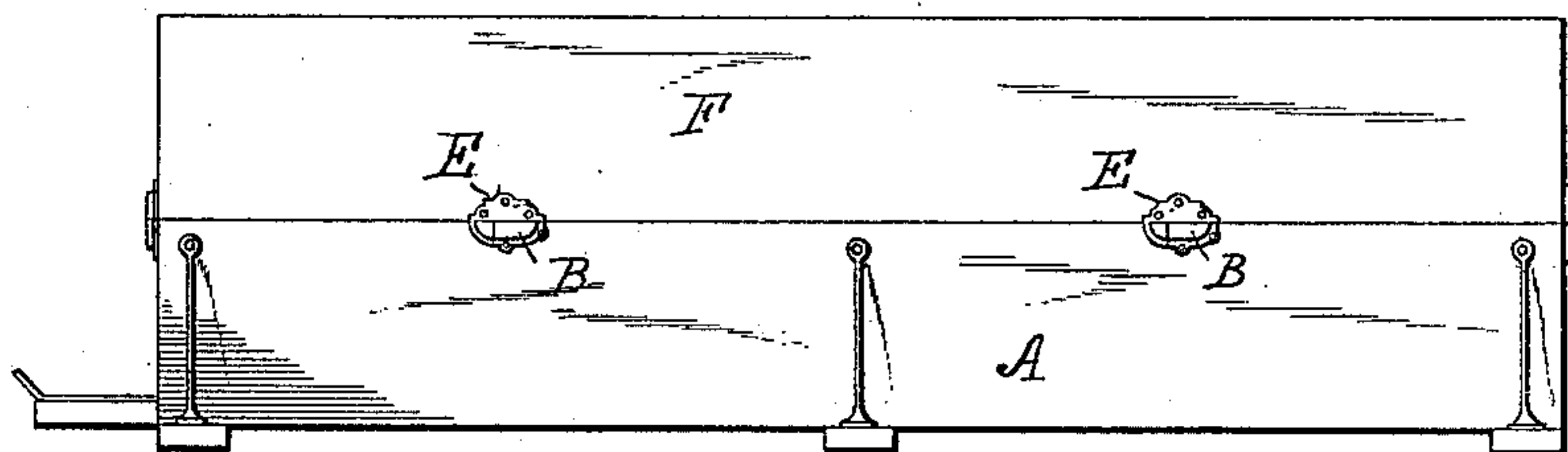
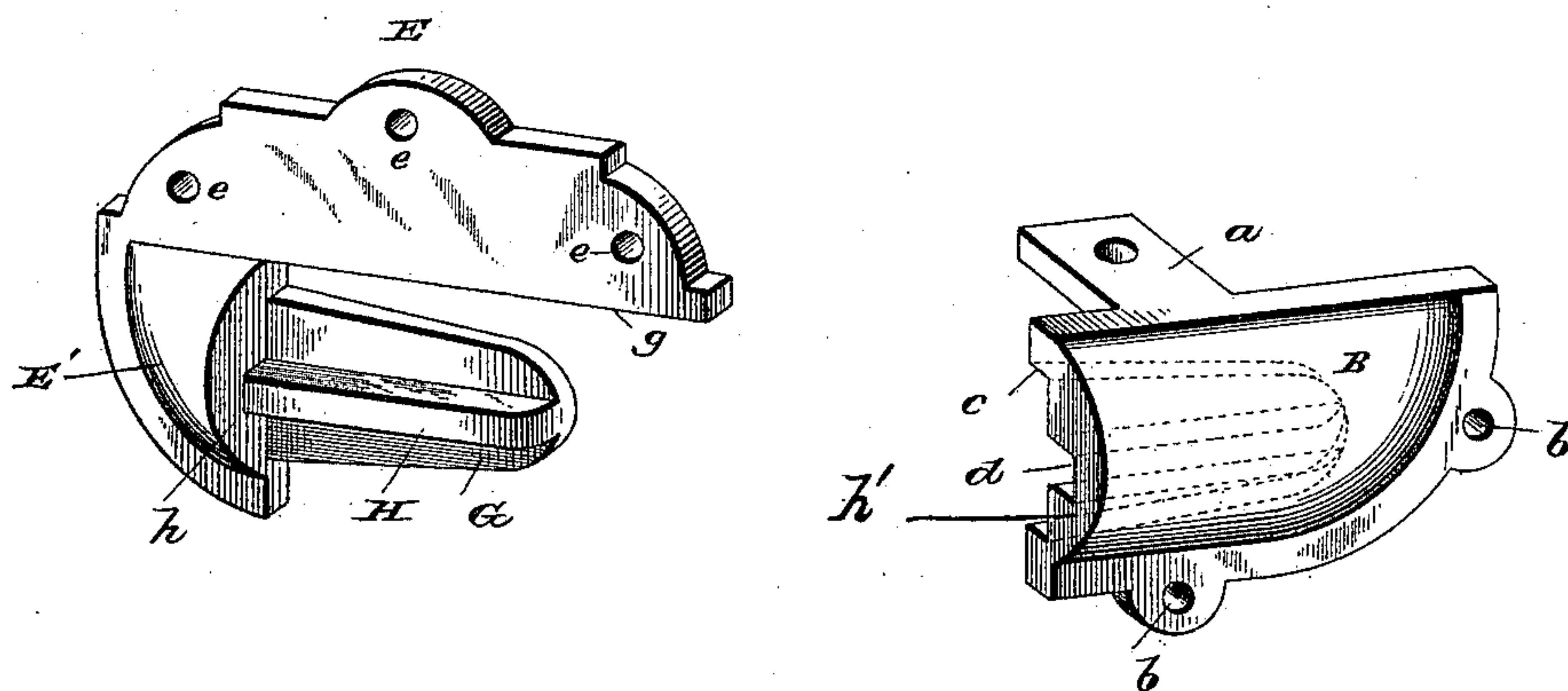


Fig. 2.



Alexander C. Phillips.

Witnesses

L. S. Elliott.
E. M. Johnson

Inventor

By His Attorney

[Signature]

UNITED STATES PATENT OFFICE.

ALEXANDER C. PHILLIPS, OF GREELEY CENTER, NEBRASKA.

LOCK FOR WAGON-BODIES.

SPECIFICATION forming part of Letters Patent No. 418,625, dated December 31, 1889.

Application filed October 31, 1889. Serial No. 328,759. (No model.)

To all whom it may concern:

Be it known that I, ALEXANDER C. PHILLIPS, a citizen of the United States of America, residing at Greeley Center, in the county of Greeley and State of Nebraska, have invented certain new and useful Improvements in Locks for Wagon-Bodies; 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, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

My invention relates to certain new and useful improvements in devices for locking sections of wagon-bodies together so as to increase the height of an ordinary wagon-box; and it consists in providing the side-boards of a wagon-body with castings, within which fit the tongues formed integral with castings secured to the supplemental box.

The invention further consists in the construction and combination of the parts, as will be hereinafter fully set forth, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a side view of a wagon body or box, showing my invention applied thereto; and Fig. 2 shows detail views of the castings detached.

A refers to one of the side-boards of an ordinary wagon-body, to which the housing or casting B is rigidly secured by screws passing through perforations *b* in ears, as shown, the upper edge of the board being mortised to receive the perforated lug *a*, which provides an additional securing means. The casting or housing is swelled somewhat to provide for the recess *c*, the inner end of which is curved, the sides being tapered, as shown. Beyond the recess *c* is also formed a tapered or wedge-shaped recess *d*. Two or more of the castings B are attached to the sides A.

E refers to the upper casting, which is attached by screws passing through the perforations *e* therein to the side-board F of the supplemental box, and when properly attached the horizontal edge *g* thereof will be

flush with the lower edge of the board F, while the portion E' depends below the same. The enlarged portion E' is provided with a tapered tongue G, carrying a web H, and by the construction shown shoulders *h* are formed on the casting E, which abut against the end face *h'* of the casting B.

When it is desired to secure the top boards to the wagon-body, it is only necessary to place the supplemental frame carrying the castings E upon the upper edge of the side-board A and move the same forward, so that the tongues formed with said castings will enter the housing B. The shoulders *h* and *h'* contacting will limit the forward movement, and as the lower edge *g* bears upon the upper edge of the lower casting wear will be prevented.

By the means hereinbefore described the boards will be held in a vertical position one above the other and can be readily attached and detached. After the boards have been properly positioned to prevent lateral movement the front and rear ends are locked in the ordinary manner, or castings having tongues and recesses similar to those hereinbefore described may be used upon the front and back boards; or the said front and back boards may engage with battens attached to the inner sides of the supplemental frame.

The fastening device hereinbefore described is preferably cast of malleable iron, and is simple, cheap, and effective.

I claim—

1. In combination with a wagon-body carrying housings or castings B, secured flush with the upper edge thereof, castings E, attached flush with the lower edge of the supplemental frame, the lower casting having wedge-shaped recesses and a perforated lug *a*, the casting E having wedge-shaped tongues which are adapted to enter the recesses in the lower casting, and means for securing the same in place, substantially as shown, and for the purpose set forth.

2. As a means for securing the upper and lower boards of a wagon-box together, a casting E, provided with an enlarged depending portion having a wedge-shaped projecting

tongue, and a casting provided with recesses adapted to receive said tongue, the lower casting being attached adjacent to the upper edge of the board A, the upper casting having
5 shoulders *h*, which abut against the end face *h'* of the lower casting, substantially as shown, and for the purpose set forth.

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

ALEXANDER C. PHILLIPS.

Witnesses:

JAS. W. WALLACE,
F. O. BARNEY.