

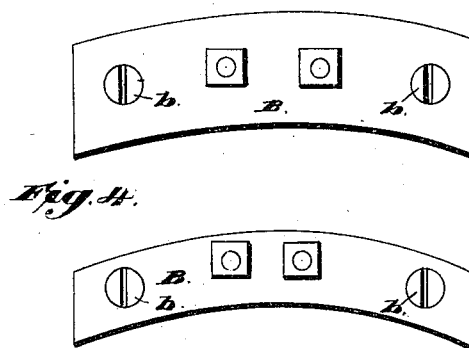
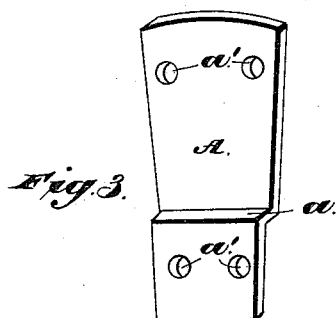
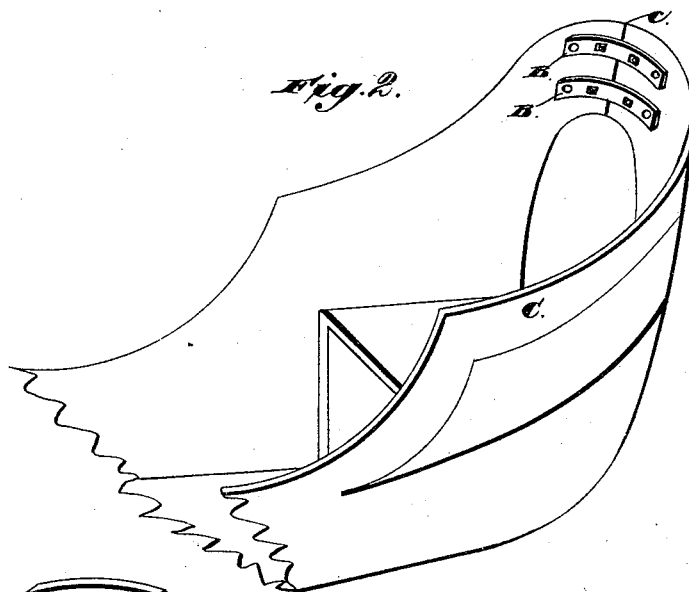
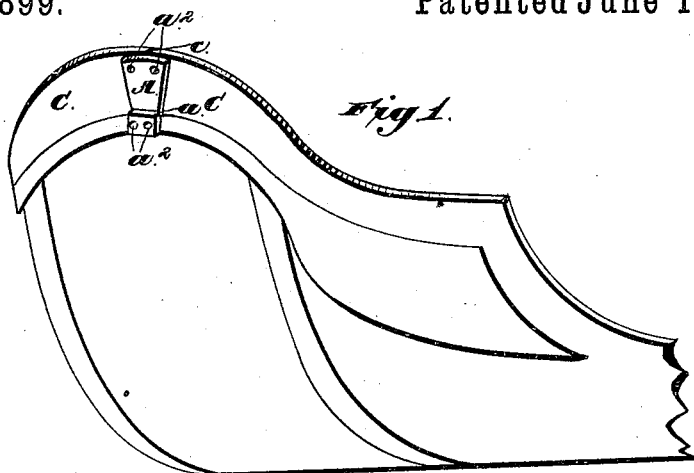
(No Model.)

W. CHASE.

SLEIGH BODY.

No. 342,899.

Patented June 1, 1886.



Witnesses:
Charles S. Hoyer.
Edward L. Mills.

Inventor:
Wellington Chase.
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UNITED STATES PATENT OFFICE.

WELLINGTON CHASE, OF COLDWATER, MICHIGAN.

SLEIGH-BODY.

SPECIFICATION forming part of Letters Patent No. 342,899, dated June 1, 1886.

Application filed October 26, 1885. Serial No. 181,029. (No model.)

To all whom it may concern:

Be it known that I, WELLINGTON CHASE, a citizen of the United States, residing at the city of Coldwater, in the county of Branch and State of Michigan, have invented certain new and useful Improvements in Joining the Side Arms in a Cutter or Sleigh, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to improvements in cutters or sleighs; and it consists in the construction and arrangement of the parts, which will be more fully hereinafter described, and definitely pointed out in the claim.

The object of my invention is to provide means for a union of the side arms of a cutter or sleigh, which shall be strong and durable, and unaffected by wear or the action of the elements.

All unions or joints made in the side arms to cutters have heretofore been made by what is known as a "ship lap-joint," whereby the two ends were brought together after the end of each side arm had been sawed or shaved down so as to make the joint of the same thickness as the arm, and then put together and secured in place by glue. These ends or joints often from the effect of the elements, and sometimes on account of pressure, have broken apart, so as to mar the appearance and destroy the stability of the side arms. I attain these objects by the device illustrated in the accompanying drawings, wherein like letters of reference indicate similar parts in the several views, and in which—

Figure 1 is a perspective view, partially broken away, of a sleigh-body, looking toward the rear thereof, illustrating the back plate in position. Fig. 2 is a view similar to Fig. 1, looking toward the inside of the sleigh, and showing the inner bearing-plates in place. Fig. 3 is a detail perspective view of the back plate. Fig. 4 is a detail perspective view of the inner bearing-plates.

A indicates the back plate, which may be constructed of any desired kind of metal and in any suitable form. This plate A, as shown, is somewhat wider at its top portion than at its bottom portion. Near the lower portion it is bent at an angle, as at *a*, so as to overlap any ribs which may be formed in the back of the sleigh-arms C. Suitable holes, *a' a'*, are drilled at or near the four corners of the said plate, through which suitable bolts, *a" a"*, may pass. The inner bearing-plates, B B, are constructed of suitable strips of metal, curved to conform to the contour of the sleigh-top, and have holes drilled therein for the reception of the bolts *a" a"*, the nuts of said bolts bearing upon the bearing-plates B B. These plates B B are secured to the inner side of the cutter-arms C by screws or rivets *b*, over the joint *c*, formed with the said arms, and in like manner the back plate, A, is applied over the said joint *c*, and secured thereto by the bolts *a"*, passing through both the back and inner plates. These plates may be ornamented in any suitable manner, the inner plates, B B, adapted to be covered by upholstering. If desired, said plates can be mortised into the sleigh-arms, to make a finer finish.

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

The combination, with a sleigh body, of arms, as C, having a back plate and inner curved plates, through which plates bolts are adapted to pass and secure them, said inner and outer plates being arranged over the joint of the said arms in the rear portion thereof, and acting as a clamp therefor, substantially as described.

WELLINGTON CHASE.

Witnesses:

JAMES R. DICKEY,
JOHN R. CHAMPION.