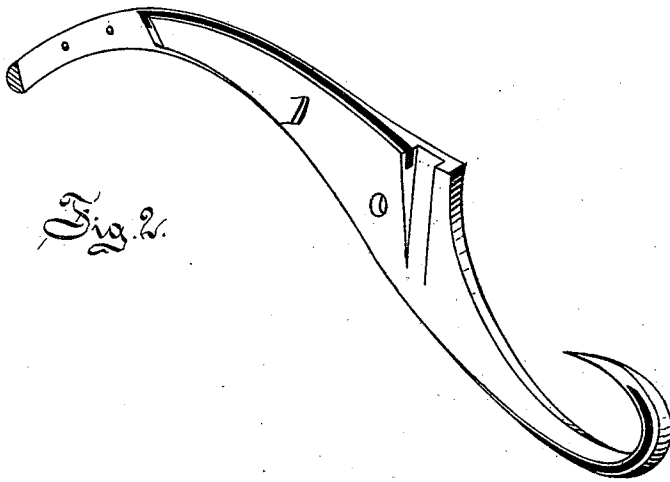
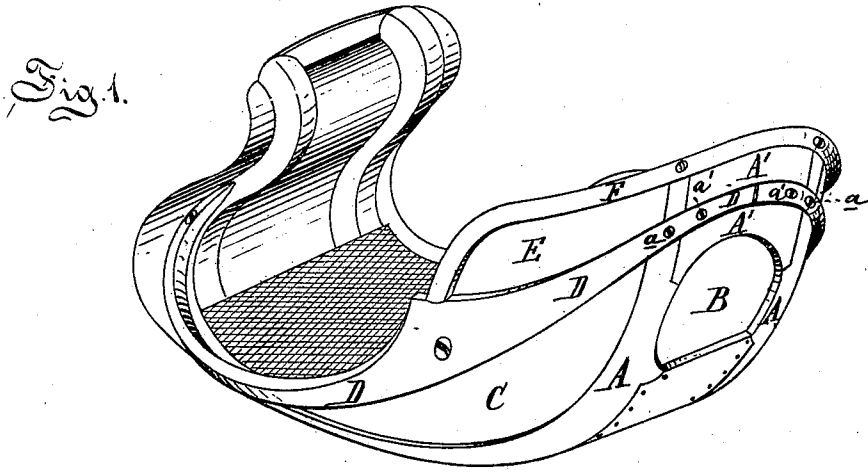


J. SHIRE.
CUTTER-BODIES.

No. 177,430.

Patented May 16, 1876.



Attest:
Edward Barthel.
Thos. S. Day

Inventor:
John Shire
By Atty
Thos. S. Day

UNITED STATES PATENT OFFICE

JOHN SHIRE, OF DETROIT, MICHIGAN:

IMPROVEMENT IN CUTTER-BODIES.

Specification forming part of Letters Patent No. 177,430, dated May 16, 1876; application filed November 9, 1875.

To all whom it may concern:

Be it known that I, JOHN SHIRE, of Detroit, in the county of Wayne and State of Michigan, have invented an Improvement in Swell-Body Cutters, of which the following is a specification:

The nature of my invention relates to an improvement in the construction of "swell-body" cutters or sleighs, and has for its object to prevent the body from opening at the back or corner-joints, which has heretofore been one of the greatest objections to this style of body; and it consists in the peculiar construction of the "arm-belt," as more fully hereinafter set forth.

Figure 1 is a perspective view of my improved cutter-body. Fig. 2 is a perspective view of one-half of the arm-belt.

In the drawing, A A represent the longitudinal back-frames of a swell-body cutter, connected at the rear and top ends by the back-piece A'. B is the back-panel, and C is the side-panel, above which is the arm-belt D, bent from a single piece of timber, and extending from the dash back far enough to overlap the back-frame A of its side, preferably to the middle of the girt A', where it will join the other belt. Before bending it is split by sawing from the back end as far as the front end of the arm-panel E. The outer part is halved on the back-frame A, to which it is secured by a wood-screw, *a*, and the back end is secured

to the girt A' by a screw, *a'*, besides gluing up the whole. The inner part of the belt abuts against the back-frame, and the space between the two parts (the saw-kerf) receives the edges of the side and arm panels. The back of the body is finished by a bent arm-rail, F, in the usual manner.

If desired, the back ends of the belt need not meet, but a piece may be inserted to fill out the space between the ends, which will enable the builder to bend the belt from a narrower plank; but in all cases the ends of the belt-pieces must overlap the back-frames.

Great difficulty has heretofore been experienced from the back corner-joints giving way and opening under the shrinkage of the timber and changes of temperature, causing annoyance and expense to purchasers of this style of body, which I have overcome by making the arm-belt overlap the back-frame whereby any tendency of the joints to open would be overcome by the tensile resistance of the belt.

What I claim as my invention is—

The arm-belts D, when extended to overlap the back-frames A of a swell-body cutter, substantially as and for the purpose set forth.

JOHN SHIRE.

Witnesses:

H. F. EBERTS,
EDWARD BARTHEL.