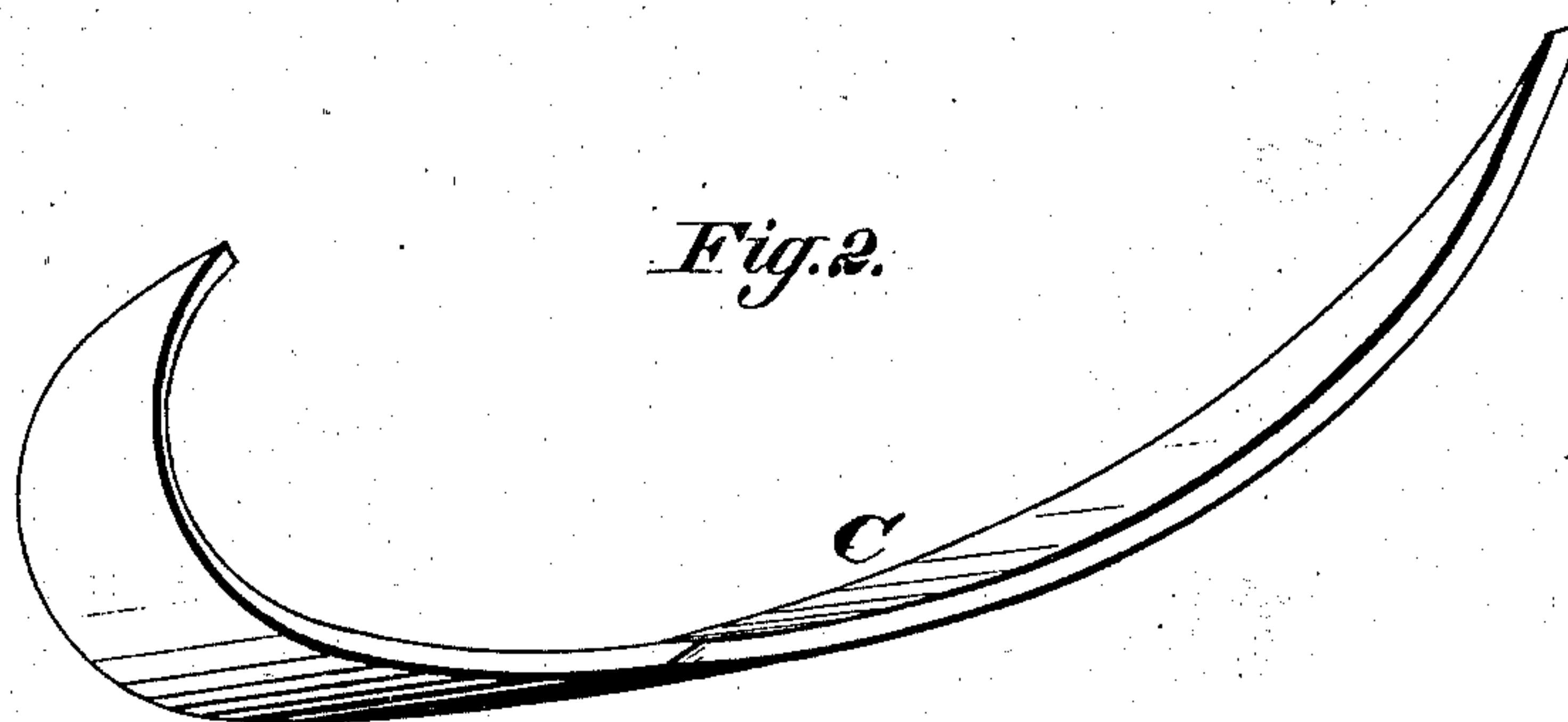
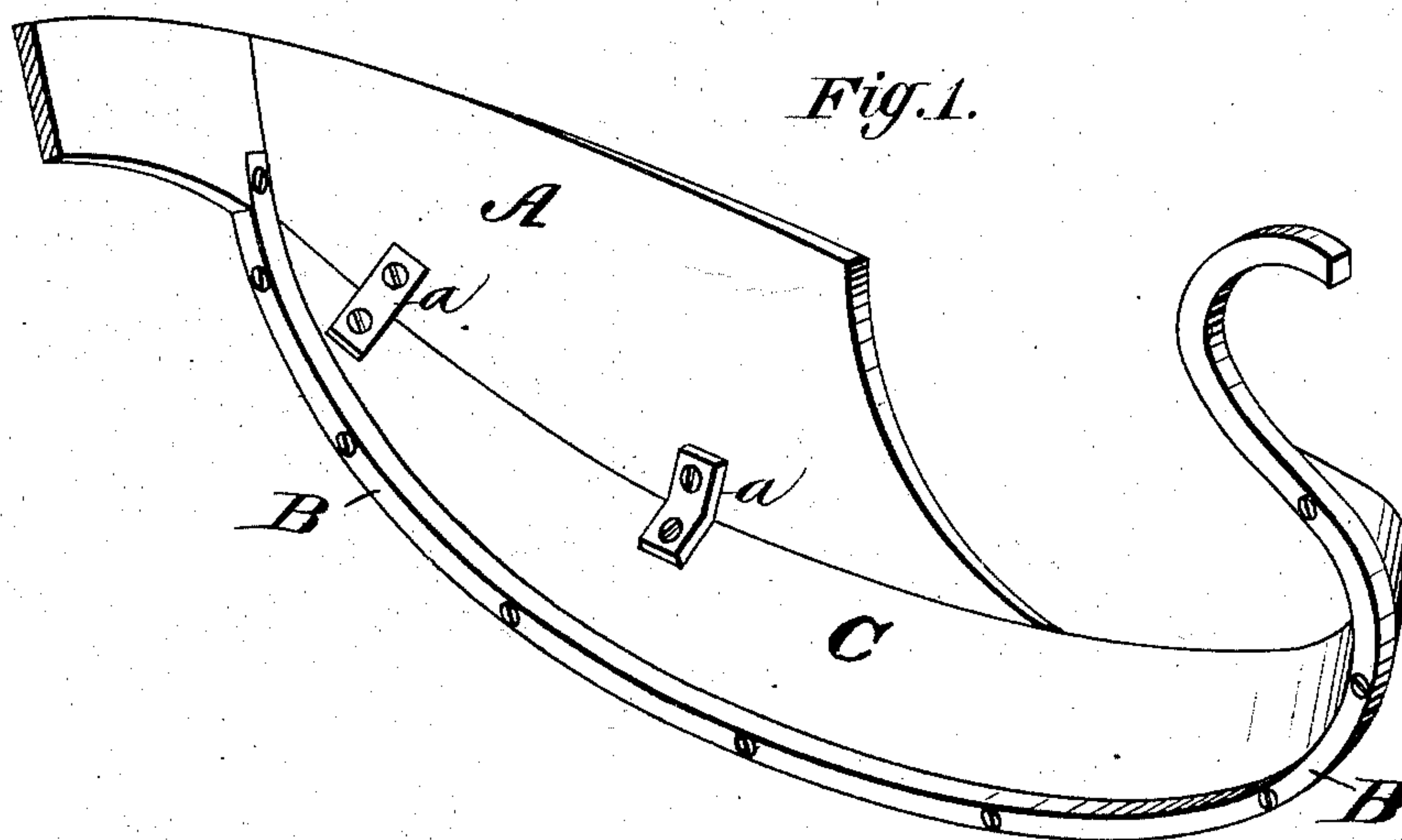


(Model.)

J. A. CHAPMAN.  
Sleigh Body.

No. 239,729.

Patented April 5, 1881.



*Witnesses:*  
Donn P. Twitchell.  
Dennis P. Fowl

*Inventor:*  
J. A. Chapman  
By Dodge & Son  
Attys.

# UNITED STATES PATENT OFFICE.

JOHN A. CHAPMAN, OF WHITE WATER, WISCONSIN.

## SLEIGH-BODY.

SPECIFICATION forming part of Letters Patent No. 239,729, dated April 5, 1881.

Application filed March 12, 1881. (Model.)

*To all whom it may concern:*

Be it known that I, JOHN A. CHAPMAN, of White Water, in the county of Walworth and State of Wisconsin, have invented certain Improvements in Sleigh-Bodies, of which the following is a specification.

My invention relates to that class of sleighs commonly known in the art as "swell-side cutters;" and it consists in a side panel therefor constructed in one piece in the form and manner hereinafter described.

Figure 1 is a perspective view, showing my panel in position; Fig. 2, a perspective view of the panel detached.

Hitherto swell-side cutters have been given the under swell of the body by means of an expensive and complicated combination of framing and inserted panels, which was greatly deficient in strength. My invention is designed to overcome the expense and other objections incident to such construction.

A represents the side arm of the body, which will be made integral with the back, as usual, and B the usual brail or sill-rail, attached at its end to the back and extended thence downward and forward, with the front ends curved upward to sustain the floor and dash-board.

C represents my panel, curved upward at the rear and upward and inward at the front, and having in cross-section an inclination upward from the inner edge. It is made complete in one piece, being cut from a flat plank in proper shape and then bent and set into the form represented, so as to fit at its inner edge snugly against the outer side of brail B, and at its rear end against the inside edge of the side arm, A. Between the front of arm A and the front end of the sleigh the outer edge of the panel is exposed and forms the side of the body.

The panel may be united in any suitable manner to the other parts, but it is preferred to secure it to the brail by screws passing through the latter and to connect it with the side arm by inside angle-irons, *a*, as represented.

By the use of a panel such as described I am able to produce a sleigh which is cheaper,

stronger, and neater in appearance than those now in use.

It will be noted that under my construction the side of the body consists of but two pieces—viz., the arm-piece or upper section and my side panel or lower section.

It will also be noted that under the construction shown the frame-piece or rail usually employed between the upper and lower sections and the series of ribs usually employed to sustain and hold the lower section are dispensed with.

My invention relates to the lower section or swell-panel, made in the one piece and extending from end to end, as shown, and of such strength and stiffness as to keep itself in shape without the assistance of ribs; and it should not be confounded with the arm-sections in common use nor with the intermediate arm-belt sometimes used to connect the arm-panel and the side panel with each other. My panel connects at one edge directly to the usual arm-panel, and at the other directly to the brail or sill at the bottom of the body.

I am aware of the patent granted to J. Shire, May 16, 1876, in which each side of the body consists of three pieces; and I lay no claim to the construction therein shown.

What I claim as my invention is—

1. A swell-body for sleighs, having each side composed of but two pieces, an arm-section, A, and a self-sustaining panel, C, made of one piece of wood shaped and bent into form, as described and shown.

2. In a swell-body sleigh, the combination of the brail B, the arm-section A, and the intermediate side panel, C, made in one piece, in the form and manner described, and secured at its edges directly to the brail and arm-section.

3. A bottom-side panel for swell-body sleighs, made in one continuous self-sustaining piece, adapted to extend the entire length of the body, as shown and described.

JOHN A. CHAPMAN.

Witnesses:

SAMUEL BISHOP,  
JOSEPH H. PAGE.