

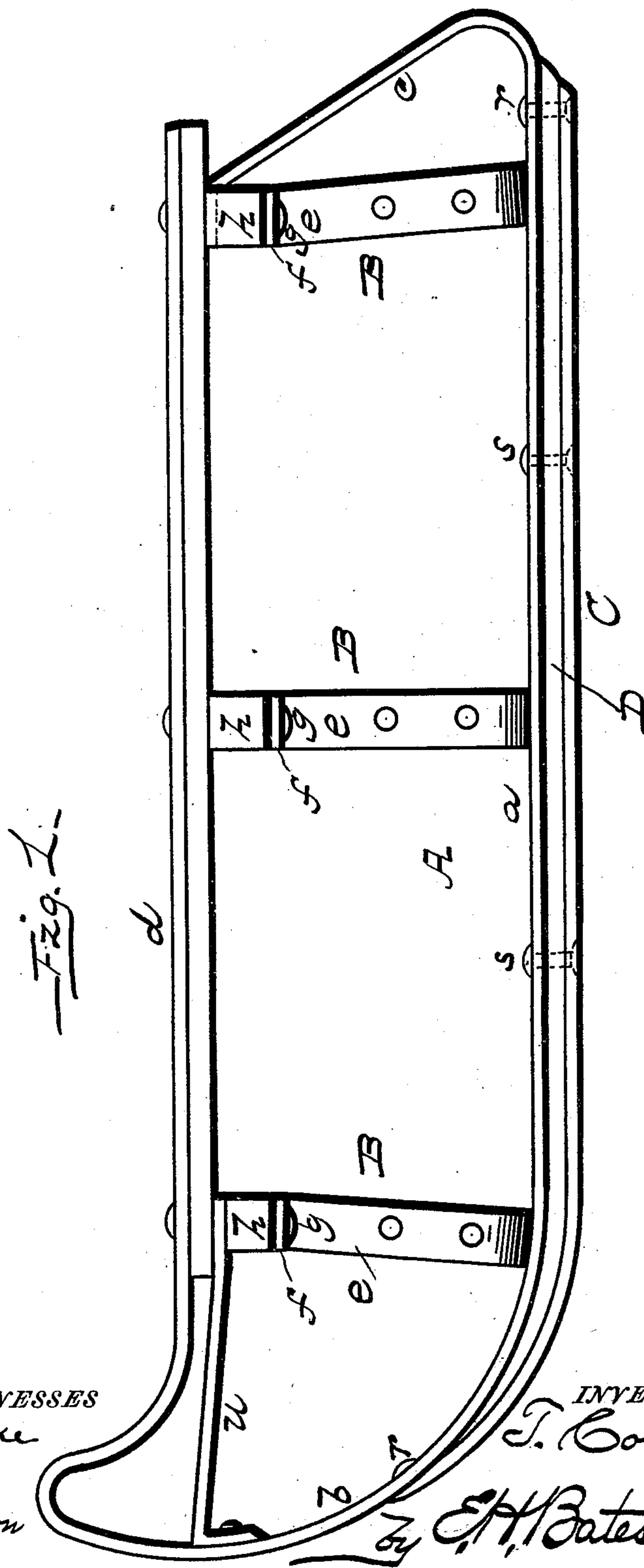
(No Model.)

2 Sheets—Sheet 1.

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SLEIGH.

No. 538,321.

Patented Apr. 30, 1895.



WITNESSES

Jas B. Clarke

M. M. Mason

INVENTOR.

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E. H. Bates Attorney

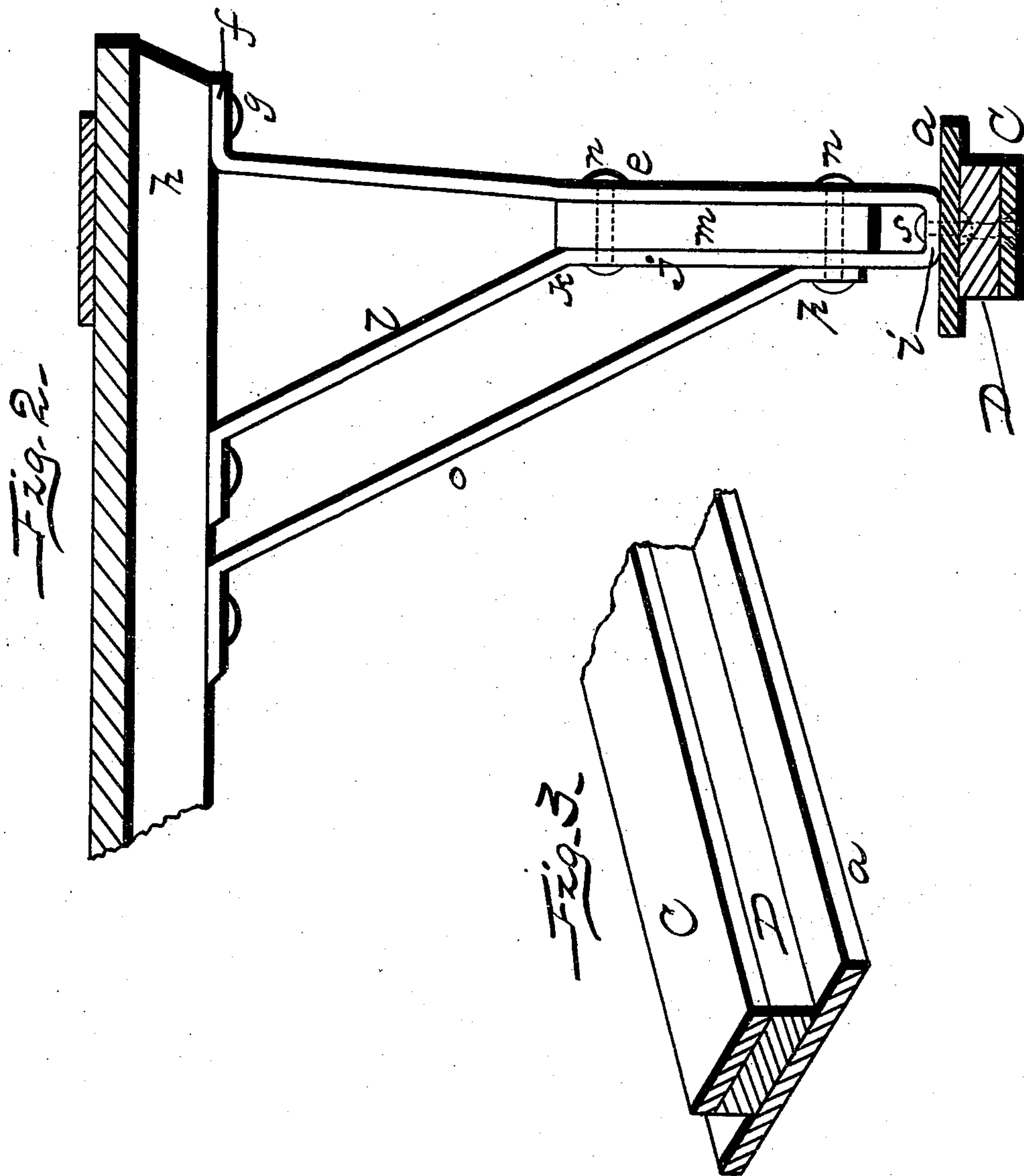
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UNITED STATES PATENT OFFICE.

TRUMAN COLEMAN, OF LEE CENTRE, NEW YORK.

SLEIGH.

SPECIFICATION forming part of Letters Patent No. 538,321, dated April 30, 1895.

Application filed October 1, 1894. Serial No. 524,687. (No model.)

To all whom it may concern:

Be it known that I, TRUMAN COLEMAN, a citizen of the United States, residing at Lee Centre, in the county of Oneida and State of New York, have invented certain new and useful Improvements in Constructing Cutters and Sleighs; 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.

This invention has relation to improvements in sleigh runners, and it consists in the novel construction, combination, and arrangement of parts of which it is composed, all as will be hereinafter fully described and particularly pointed out in the claim.

The annexed drawings, to which reference is made, fully illustrate my invention, in which—

Figure 1 represents a side view of my device. Fig. 2 is a detail cross sectional view of the same; and Fig. 3 is an enlarged detail sectional view of the runner.

Referring by letter to the accompanying drawings, A, designates a sleigh runner consisting of the horizontal portion *a*; the upwardly curved front portion *b* and the rear inclined brace portion *c*, while the top or horizontal part *d*, which connects with and forms a part of the main portion, passes over the top of the sleigh and is screwed or otherwise secured thereto.

B, B, B, represent the legs or standards upon which the body is supported and all of which are constructed alike and a description of one will answer for all. This standard consists of the vertical outside portion *e*. At the upper end thereof the same is bent into an outwardly horizontal flange *f*, having a perforation through which a screw or bolt *g* is passed whereby said upper end of the standard is secured to the outer end of the cross bar *h* of the sleigh. This standard is bent upon itself as at *i*, in U-shaped form the portion *j* extending vertically and parallel to the outer portion *e*, to a point *k* when it branches off inwardly presenting an inclined brace as shown at *l*. Between these vertical portions of the standard is interposed a block *m* which is held in place by bolts *n*, *n*; thus separating and at the same time securing both parts together. The upper end of the in-

clined portion or brace *l* is secured to the cross bar *h* of the body. A supplemental inclined brace *o* is secured at its upper end to said cross bar while its lower end is secured to the standard as at *p*.

C, indicates a shoe, on the under side of the runner. The same, is bolted or riveted, both front and rear to the runner as at *r*, *r*, and intermediate of these points as at *s*, the bolts *s*, connecting said runner and shoe with the lower end of the leg or standard as shown at *s*, Fig. 2. Between this shoe and runner is interposed a strip *D*, which is secured in place by the bolts *s* also passing through it as well as the runner and shoe. Thus it will be seen that when a shoe is worn out another can be readily applied, thus saving the runner from wear and by the construction of the standards, the same being bent upon itself and in one piece, presents a very strong leg or support for the body. Furthermore, by constructing the runner, rear inclined brace, front and top horizontal portion of one piece, affords a very strong and yet a very light runner. A brace *u* connects the front of the runner with the body.

A sleigh runner as herein described is durable, light in weight and ornamental as well as cheap to manufacture.

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

In a sled or sleigh, the combination with the cross bars thereof, the standards for supporting the same consisting of the vertical portion *e*, bent at *i*, in U-shaped form, the vertical portion *j*, bent to form an incline *l*, the inclined brace *o*, the block *m*, interposed and bolted between the upper parts of the vertical portions, said brace *o*, bolted to the vertical portion *j*, the bolt passing through the block and vertical portion *e*, of the runner, strip and shoe bolted to the U-shaped portion of said standard, substantially as specified.

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

TRUMAN ^{his} X COLEMAN.
mark

Witnesses:

ANDREW W. DOWNING,
MERRITT N. WILLSON.