

(No Model.)

E. K. BECKWITH.
SHINGLING BRACKET.

No. 472,633.

Patented Apr. 12, 1892.

Fig-1.

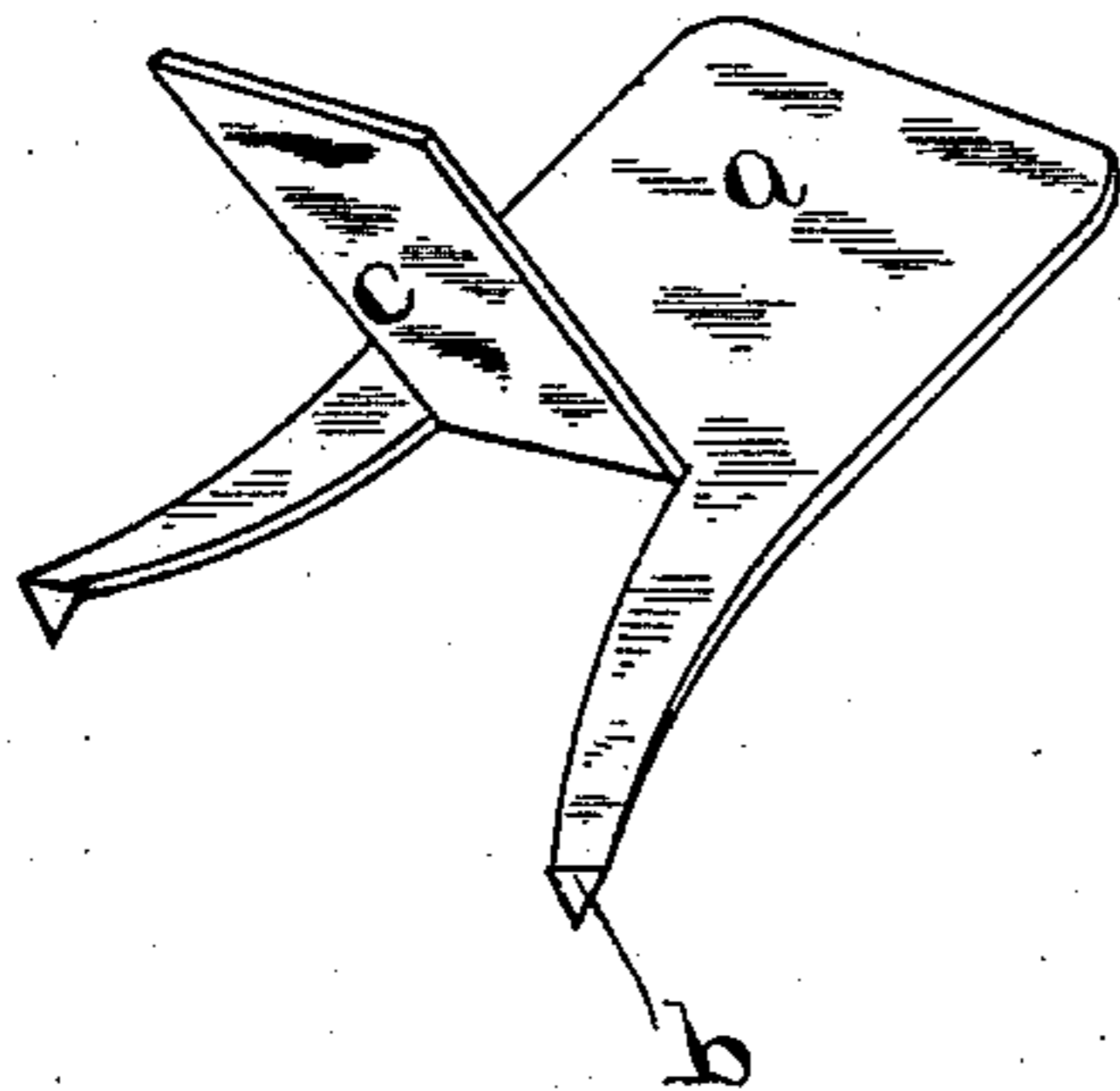


Fig-2.

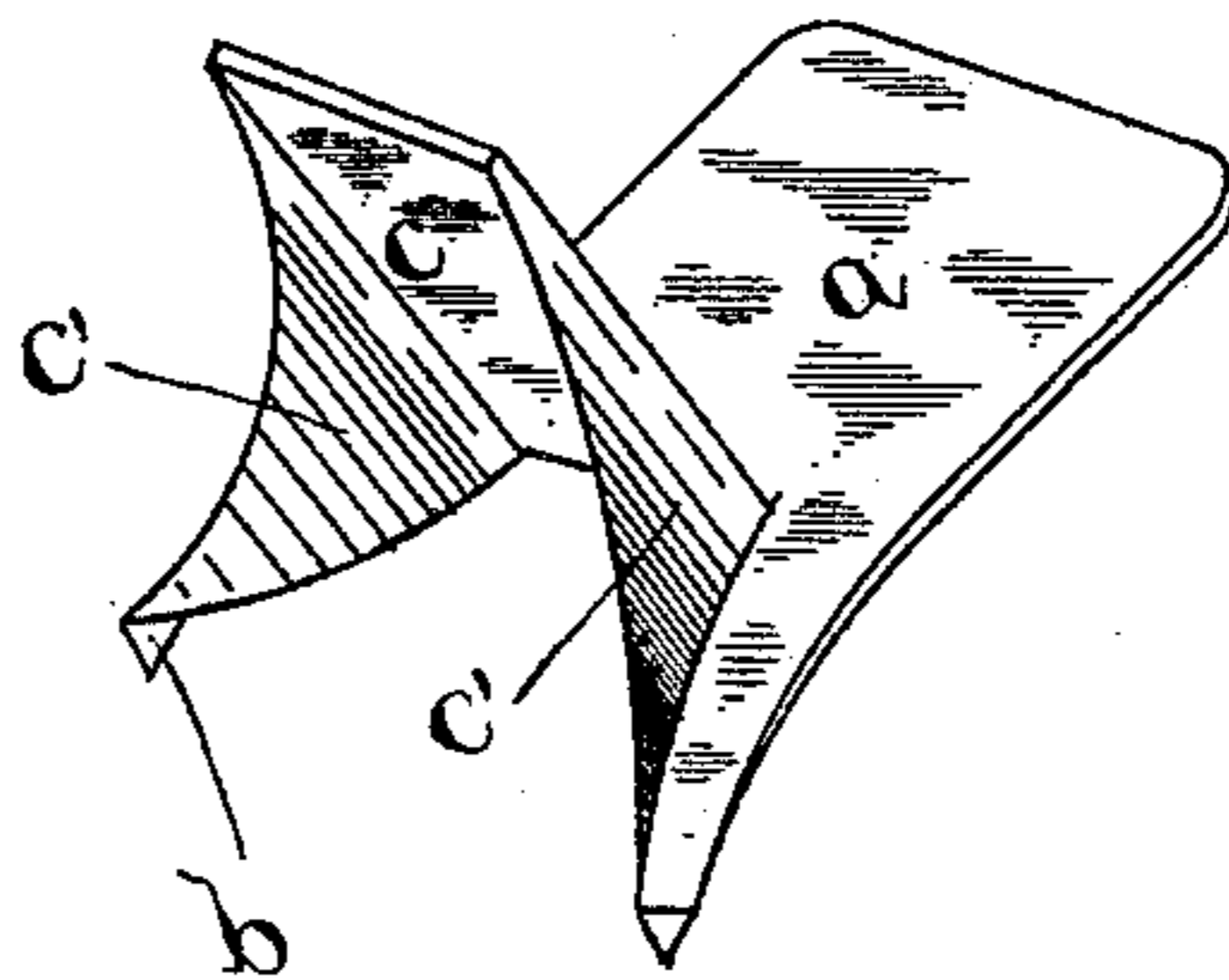
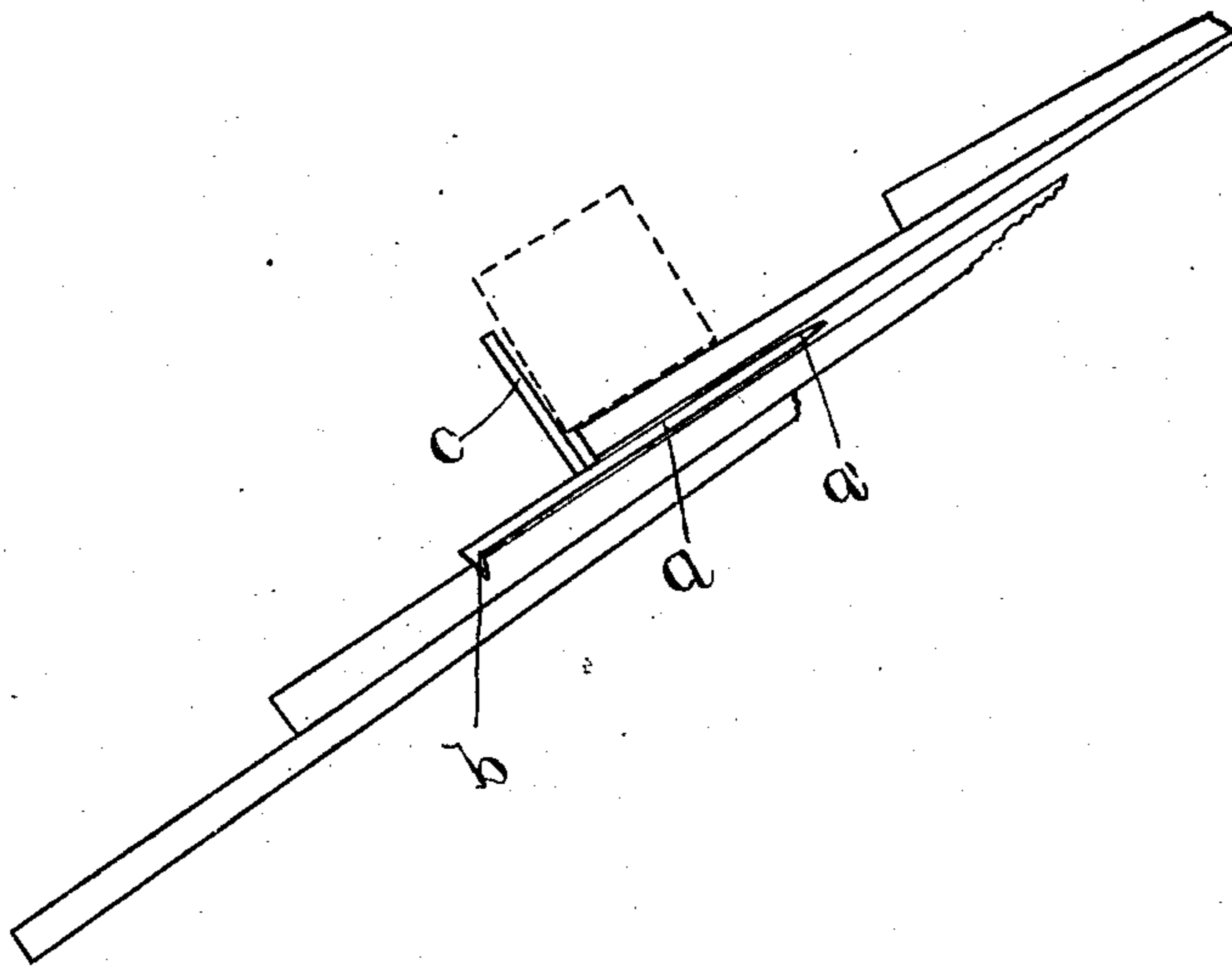


Fig-3.



Witnesses

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EUGENE K. BECKWITH, OF NIAHTIC, CONNECTICUT.

SHINGLING-BRACKET.

SPECIFICATION forming part of Letters Patent No. 472,633, dated April 12, 1892.

Application filed September 28, 1891. Serial No. 407,015. (No model.)

To all whom it may concern:

Be it known that I, EUGENE K. BECKWITH, a citizen of the United States, residing at Niantic, in the county of New London and State of Connecticut, have made certain new and useful Improvements in Shingling-Brackets, which improvements are fully set forth and described in the following specification, reference being had to the accompanying sheet of drawings, in which—

Figures 1 and 2 are perspective views of brackets of my newly-invented construction, and Fig. 3 illustrates the manner of using the same.

My invention has for its immediate object the production of a cheap, serviceable, and strong bracket for use in shingling, by means of which suitable staging may be supported and quickly adjusted to any desired position as the work of shingling progresses.

The bracket which I have provided and which is here illustrated may be made of wrought-iron in substantially the form shown in Fig. 1, or may as readily be made of malleable (cast) iron of the form shown in Fig. 2.

Referring to the drawings, *a* denotes the body of my bracket, formed as a plate, one of whose ends is drawn down to an edge *a'*, the opposite end being provided with downwardly-projecting spurs *b*, preferably two or more in number. Midway of the length of the plate *a* is a bracket *c*, that projects upward a distance sufficient to provide a substantial bearing, against which a joist or board may rest, as indicated by dotted lines in Fig. 3.

The bracket of Fig. 1 may be formed of wrought-iron plate by slitting the metal lengthwise and turning up the section *c*. The ends of the fork thus formed may then be bent downward and sharpened to form spurs *b*. If made of cast metal, as in Fig. 2, it is desirable to provide ribs *c'* to insure sufficient strength to the bracket-section *c*.

I prefer to make the legs *d* of the bracket slightly diverging, whereby a lateral support is given to the bracket, which could not be obtained if the bracket consisted of a narrow strip of metal folded upon itself to form the

support, and at the same time the two points will enter the roof to a greater degree and afford a more secure attachment than if there were a multiplicity of points to enter the roof.

My described bracket is used in the following-described manner: After several courses of shingles have been laid the edge *a'* of the plate *a* is forced under one of the lower courses (see Fig. 3) until the bracket-section *c* reaches the butt-ends of the course that overlaps said plate. The spurs *b* are then forced into the shingles immediately beneath the bracket. This leaves sections *c* projecting from the roof at right angles, and against these sections may be placed joists, as above stated. Any weight applied to the upper side of the joists so supported tends to force spurs *b* more firmly into their seats in the shingles to prevent slipping of the brackets, while the plates *a* are kept from raising by the shingles under which the said plates extend. Brackets of my improved form do not perforate or otherwise injure the roof, and they may be of such size that a number of them may be packed into small space for transportation.

Having described my invention, I claim—

1. A shingling-bracket having a plate or body-section wedge-shaped at one end and with a fork and downwardly-projecting spurs at the opposite end, as set forth, said plate having an upwardly-extending section *c* midway of its length and the legs of the fork diverging outwardly from the section *c*, substantially as specified.

2. A shingling-bracket consisting of a plate or body-section *a*, having an upwardly-projecting portion *c* near the middle and a fork below the section *c*, the ends of the legs of which are each provided with a downwardly-projecting spur *b*, and webs *c'*, extending from the section *c* to the legs *d* and connecting the same and bracing the section *c*, substantially as set forth.

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Witnesses:

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