

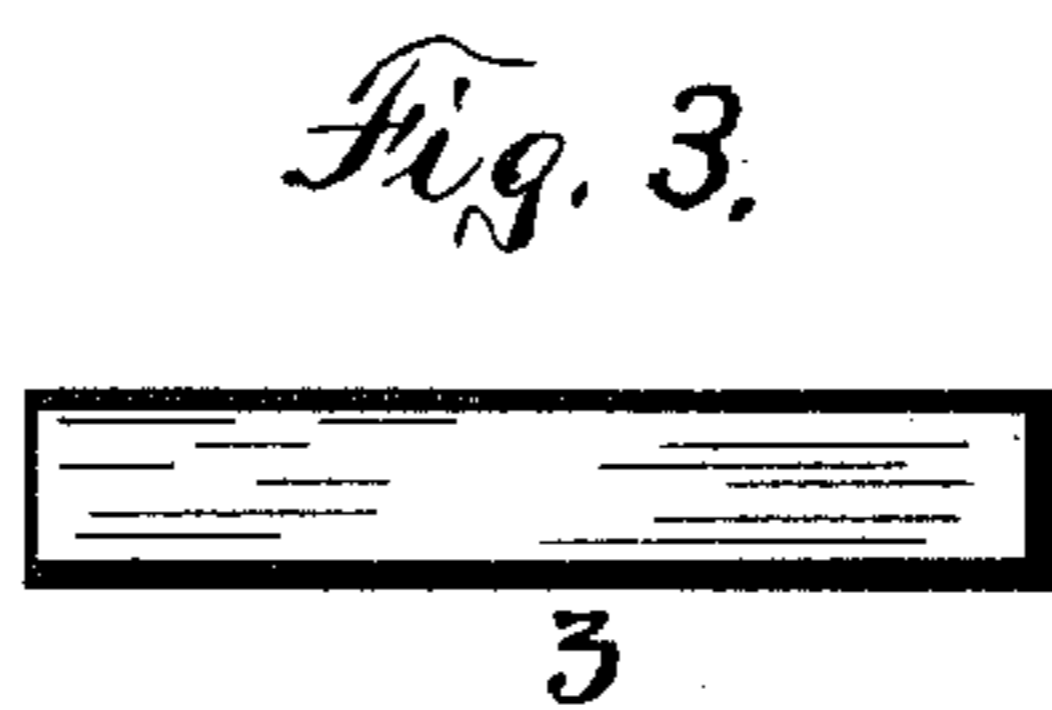
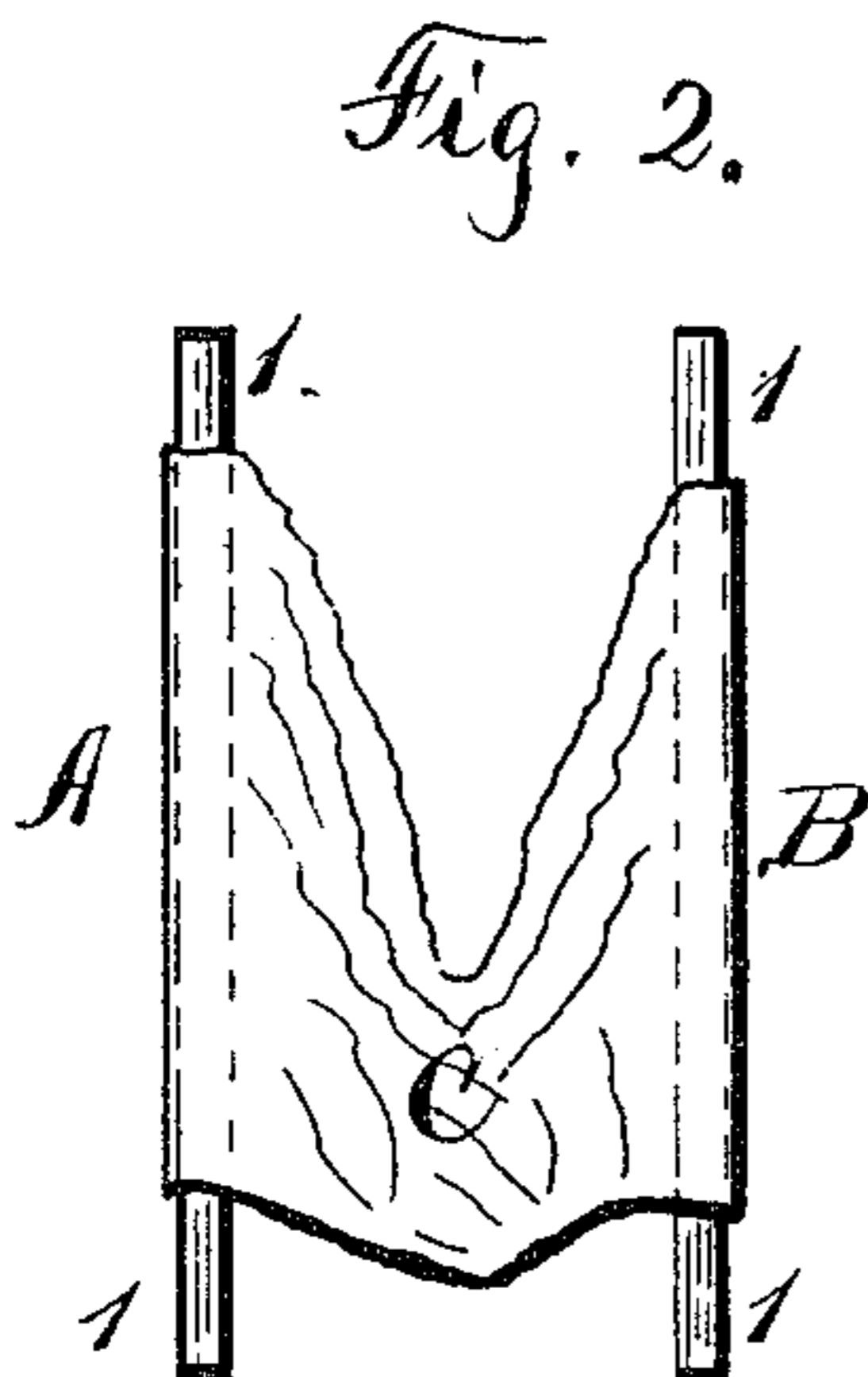
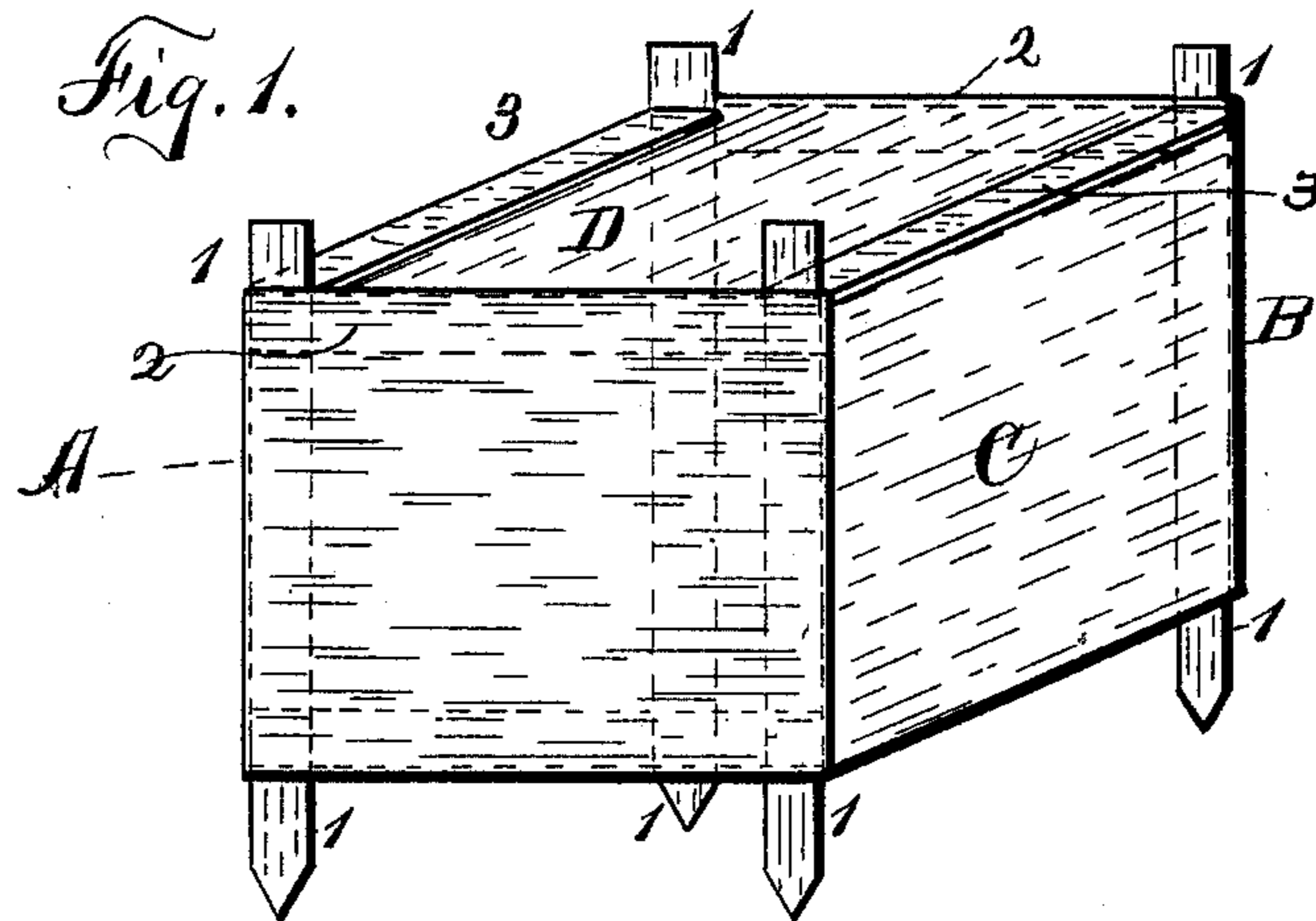
(Model.)

2 Sheets—Sheet 1.

I. E. SHERMAN & W. T. CROUCH.
PLANT PROTECTOR.

No. 410,653.

Patented Sept. 10, 1889.



Witnesses

H. V. Denison
H. T. Denison.

Ira E. Sherman and
William T. Crouch Inventors

By their Attorneys
Smith & Denison

(Model.)

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Fig. 4

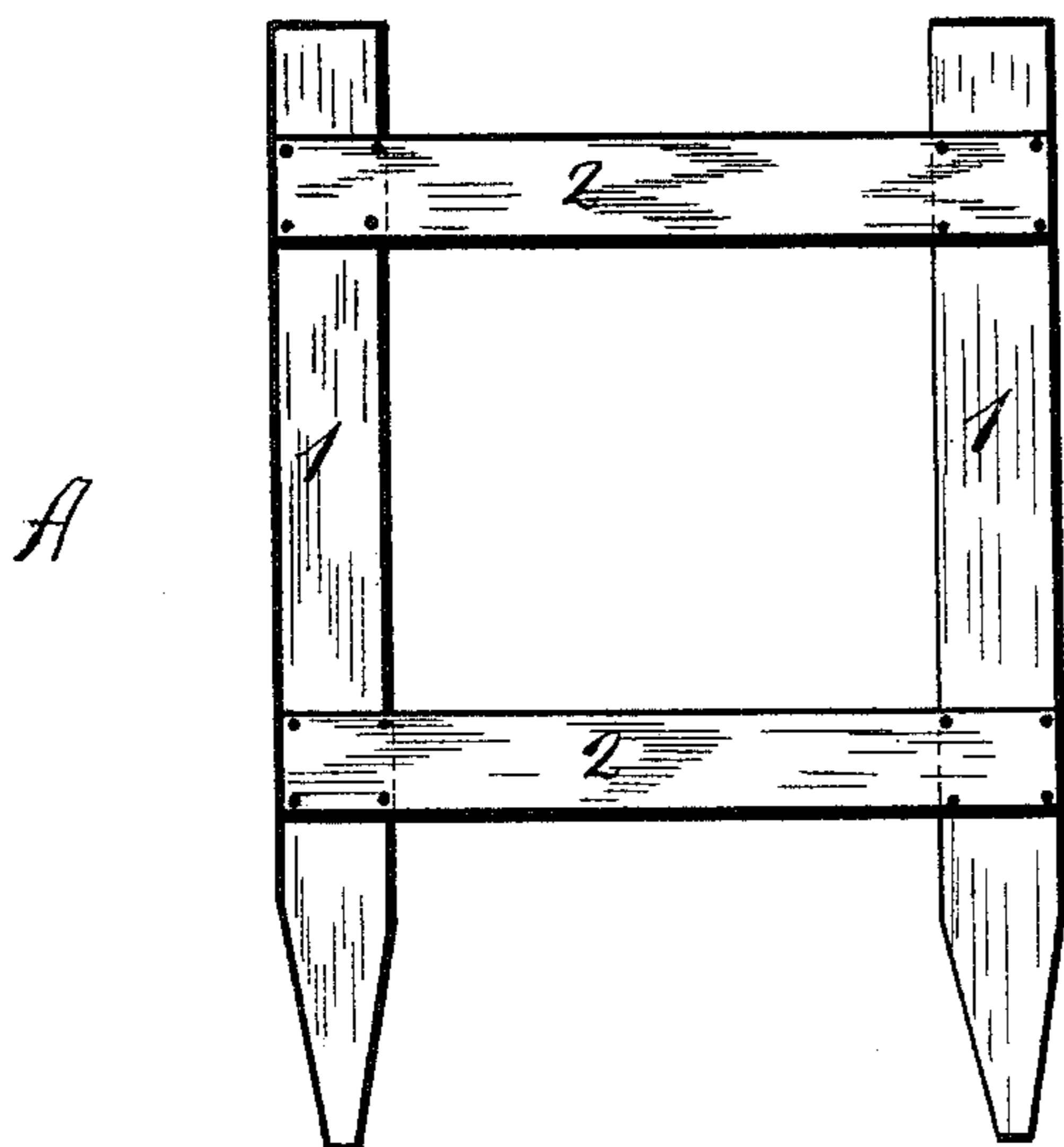


Fig 5

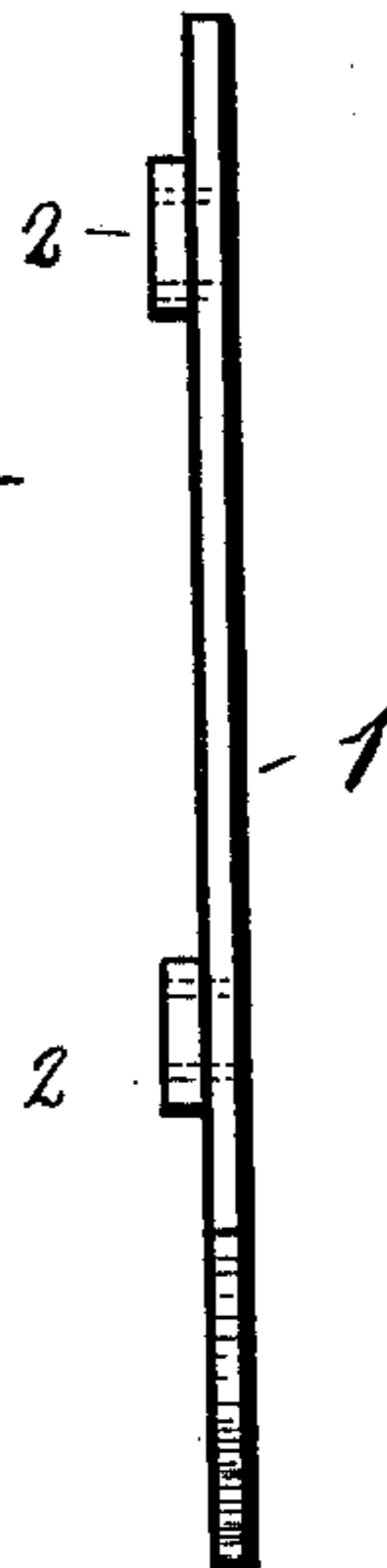
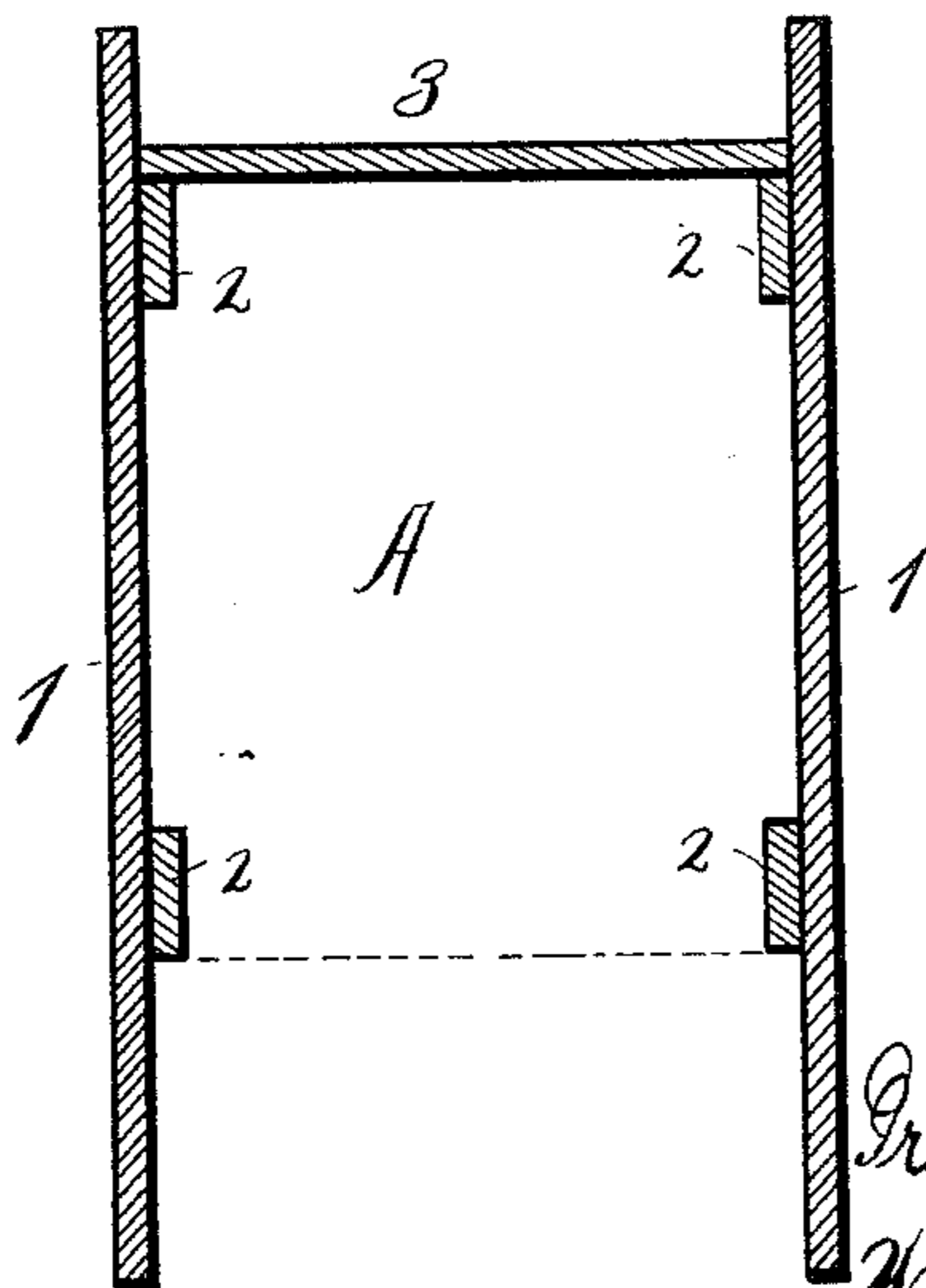


Fig 6.



Witnesses

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Ira E. Sherman and
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By their Attorneys
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UNITED STATES PATENT OFFICE.

IRA E. SHERMAN AND WILLIAM T. CROUCH, OF SIDNEY, NEW YORK.

PLANT-PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 410,653, dated September 10, 1889.

Application filed April 22, 1889. Serial No. 308,172. (Model.)

To all whom it may concern:

Be it known that we, IRA E. SHERMAN and WILLIAM T. CROUCH, of Sidney, county of Delaware, in the State of New York, citizens of the United States, have invented certain new and useful Improvements in Plant-Protectors, of which the following is a specification, reference being had to the accompanying drawings, in which—

Figure 1 is a side elevation showing the plant-protector set up for use. Fig. 2 is a side elevation of the protector with the stretchers removed and partly folded. Fig. 3 is one of the stretchers. Fig. 4 is a view of an end frame with the gauze removed. Fig. 5 is an end view of the same. Fig. 6 is a side elevation of the plant-protectors, showing the stretchers in position.

Our invention relates to devices for protecting plants; and it relates to that class which can be folded up and packed in knockdown shape, and which can be extended or spread out for use.

Our object is to produce a protector embodying these features and of cheap and durable construction.

Our invention consists in a plant-protector comprising rectangular end frames covered with cloth, and sides and top of cloth alone, the edges of the sides being secured to the vertical edges of the end frames and the front and rear edges of the top being secured to the bars constituting the tops of the end frame, and removable stretchers inserted between the vertical upright pieces of the end frames, the uprights of the end pieces extending down below the cloth and pointed to enter the ground. It is constructed as follows:

A and B are the rectangular end frames,

consisting of upright pieces pointed, as shown in the drawings, at their lower ends and cross-bars 2, secured to the uprights 1, these end pieces being of rectangular form and having a cloth stretched over them and secured thereto. Between these end frames a cloth is secured having its edges secured to the uprights 1 to form the sides C. Between the end frames and across the top this cloth is secured to the upper cross-bars 2 of the end frames. These end frames are held apart at the top by the stretchers 3, removably inserted between the uprights 1, they being long enough to stretch the top covering taut.

The dotted lines in Fig. 1 show the rectangular shape of the end pieces or frames composed of the upright 1 and cross-bars 2. When the end frames are stretched apart, as shown, the points of the upright 1 are inserted into the ground sufficient to bring the lower edges of the sides and ends into contact with the ground, thus shutting out insects and shutting off drafts.

What we claim is—

A plant-protector consisting of two rectangular end frames covered with cloth secured thereto, said end frames being connected by cloth secured to their tops and vertical edges by cloth, creating the top and sides of the protector, and removable stretcher inserted between the upper ends of the uprights of the end frames, substantially as described.

In witness whereof we have hereunto set our hands this 11th day of April, 1889.

IRA E. SHERMAN.
WM. T. CROUCH.

In presence of—

HOWARD P. DENISON,
F. T. DENISON.