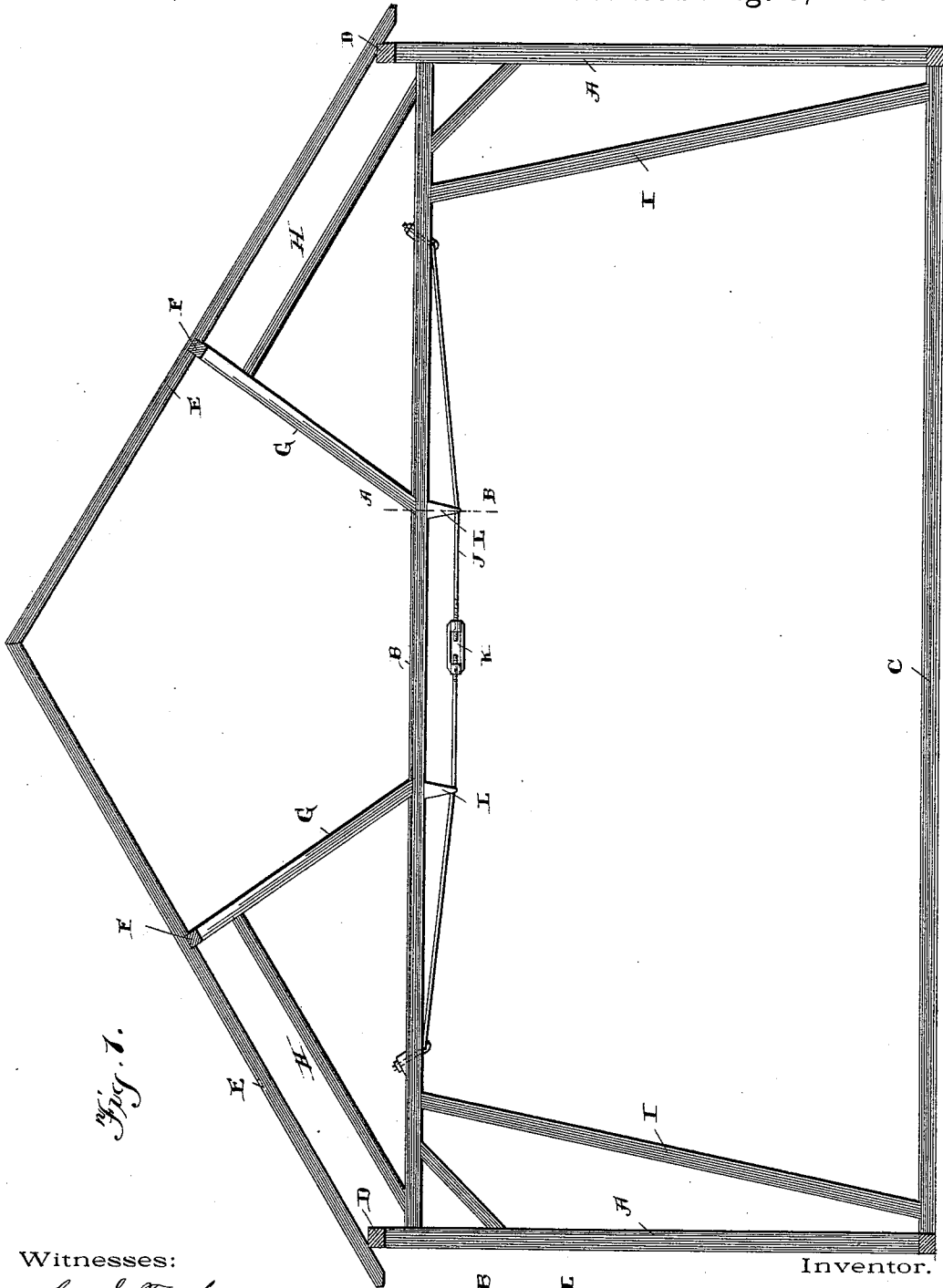


(No Model.)

P. DEVILLE.
FRAME FOR BARN OR OTHER BUILDINGS.

No. 544,215.

Patented Aug. 6, 1895.

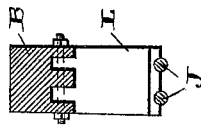


Witnesses:

Geo. C. Truett

James W. Berard

Fig. 2.



Inventor.

P. Deville
By Patton & Mehl

Attorneys

UNITED STATES PATENT OFFICE.

PETER DEVILLE, OF HUNTINGTON, INDIANA.

FRAME FOR BARNs OR OTHER BUILDINGS.

SPECIFICATION forming part of Letters Patent No. 544,215, dated August 6, 1895.

Application filed April 3, 1895. Serial No. 544,339. (No model.)

To all whom it may concern:

Be it known that I, PETER DEVILLE, of Huntington, in the county of Huntington and State of Indiana, have invented certain new and useful Improvements in Frames for Barns or other Buildings; 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 pertains to make and use the same, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in frames for barns or other buildings, and the same is especially directed to an improved support or system of bracing for buildings where it is desired to have the floor-space clear and unobstructed for the purpose of a driveway or other use.

The invention consists of the novel features of construction hereinafter fully described and claimed and illustrated in the accompanying drawings, in which—

Figure 1 is a vertical cross-sectional view of a barn and roof frame constructed with my improvement. Fig. 2 is a sectional view on line A B of Fig. 1.

A designates the side posts of the barn or other building; B, the transverse girder connecting and securing the same near their upper ends, and C the base or floor beam. The longitudinal top beams D are shown in section supported on posts A, and resting on beams D are the lower ends of the rafters E. The rafters are braced and supported between their ends by the purlins F, and the latter are braced to girder B by props or supports G. Braces H extend backward from props G to nearly the extremities of girders B.

In order to do away with the central support for the girder B, which are common in buildings of this construction, I provide said girders with the inclined supports or posts I, which at their lower ends are let into base-beam C near the end of the latter, while the upper ends of the said posts are let into beam B, the post being arranged at a slight incline, as shown. Beneath beam B and extending

longitudinally therewith is the truss-rod J, secured to bolts K near the upper ends of posts I, the said truss being provided with the usual turn-buckle J' for adjusting purposes. Thus it will be seen that the truss is supported by the beam very near posts I, so that the latter receives substantially all the weight and strain that are exerted upon the truss. Brackets L are arranged on the under side of beam B, directly beneath the lower ends of braces G, the said brackets holding the truss from the beam, as will be understood. Thus it will be seen that the weight and strain exerted by the roof upon purlin F will be communicated directly through the medium of beam B and bracket L to the truss-rod J, which latter is substantially supported by the post I.

As shown in Fig. 2, the upper sides of brackets L are notched and let into beam B, being secured by bolts M, so that the connection is most firm and secure.

A roof braced and trussed as herein shown and described is most securely and firmly supported and leaves substantially the whole floor-space clear for any use to which it may be put. The truss may be expanded or contracted by the turn-buckle, thus providing for such adjustment as may be necessary.

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

An improved frame for buildings comprising side posts A, girder B connecting them, the upwardly extended inwardly inclined posts I leading to the said girder, the truss brace on the under side of the girder and between posts I, the rafters, the purlins, braces G leading to girder B, and braces H extending from the purlin braces backward and downward to the girder, substantially as shown and described.

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

PETER DEVILLE.

Witnesses:

S. W. POE,
C. E. LEW.