

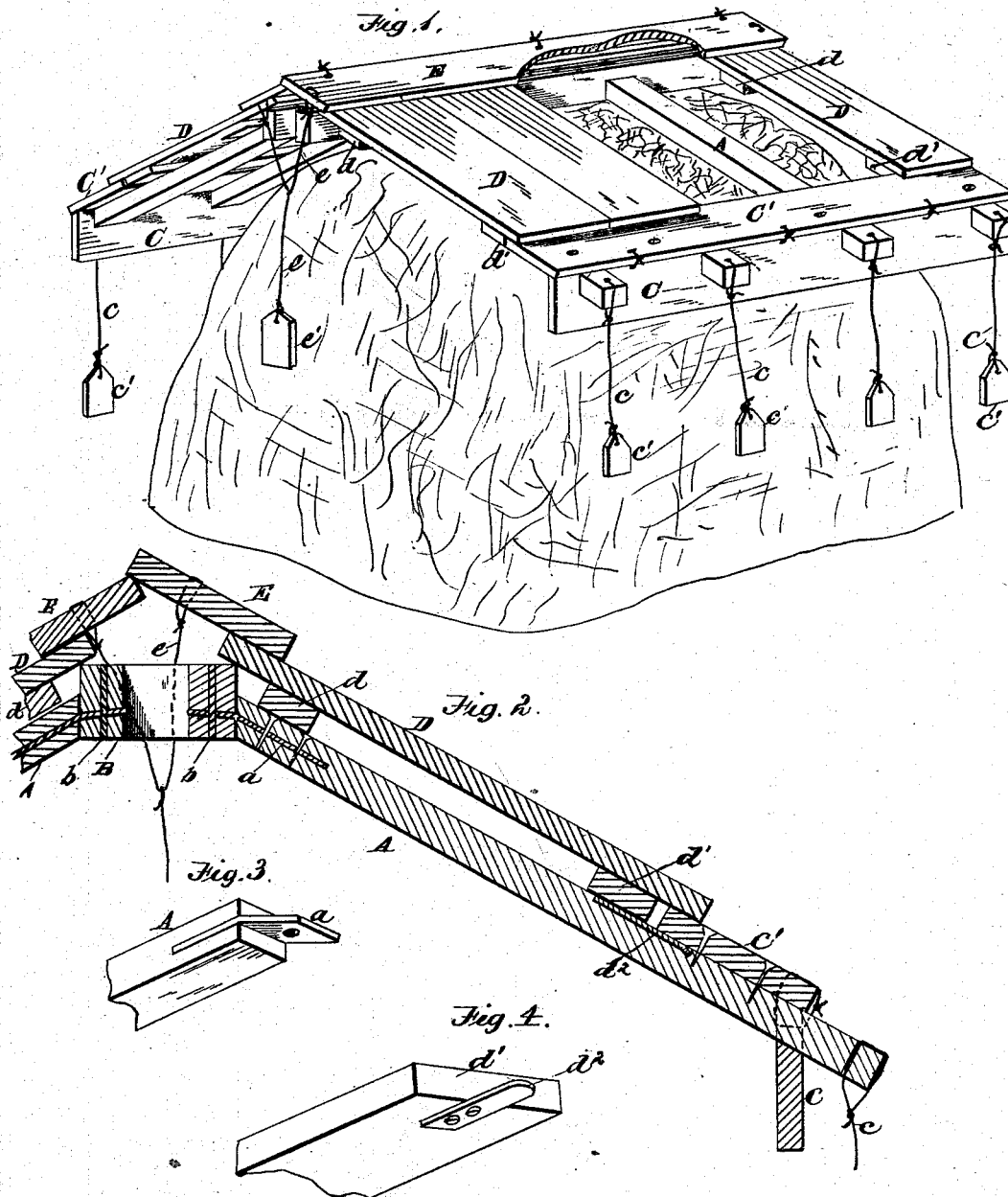
(No Model.)

J. H. BEAN.

PORTABLE ROOF FOR HAY OR STRAW STACKS.

No. 265,003.

Patented Sept. 26, 1882.



WITNESSES:

W. H. Knight.  
Harry Bernhard.

INVENTOR:

Jacob H. Bean  
By *Edmund M. S.*  
ATTORNEYS.

# UNITED STATES PATENT OFFICE.

JACOB H. BEAN, OF MACON, ILLINOIS.

## PORTABLE ROOF FOR HAY OR STRAW STACKS.

SPECIFICATION forming part of Letters Patent No. 265,003, dated September 26, 1882.

Application filed July 13, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, JACOB H. BEAN, a citizen of the United States of America, residing at Macon, in the county of Macon and State of Illinois, have invented certain new and useful Improvements in Portable Roofs, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to a certain improvement in roofs for hay or straw stacks, having for its objects to readily secure its parts detachably together, while it is capable of easy construction and adjustment upon the stack and portable for shipment, and to render it convenient for transportation from place to place about the field as it may be needed.

To these ends my invention consists in the employment of ridge-boards anchored in position upon the upper ends of the roof-boards, the latter having cleats, the lower ones with tongues and eave-pieces strapped to side boards, in connection with central connected-together transverse ridge-beams, to which rafters are detachably secured and anchored in position, and upon which the eave-boards are also removably secured, substantially as hereinafter more fully set forth.

In the accompanying drawings, Figure 1 is a perspective view of my improved hay or straw stack roof as applied for use upon such stack. Fig. 2 is a partly broken away transverse section thereof, and Figs. 3 and 4 are detailed similarly broken away perspective views of the same.

In carrying out my invention I employ rafters A, whose upper ends are provided with apertured projecting plates or tongues *a*, and detachably connected to transverse parallel ridge-pieces B by means of the said tongues, the latter being arranged to occupy a relatively horizontal position and passed into substantially horizontal mortises in the ridge-pieces, as seen in Fig. 2. Vertical pins *b*, passed through similar apertures in the ridge-pieces B and through the apertures of the tongues *a* of the rafters A, secure these parts together. The rafters are anchored upon the stack at their lower ends by means of cords or wires *c*, having attached thereto weights *c'*.

These ends of the rafters pass through suitably apertured or mortised side boards, C, affixed to eave-boards C', nailed or otherwise fastened upon the rafters. D D are the roof or top boards, having affixed to their under side cleats *d d'*, the upper ones simply resting on the same ends of the rafters, permitting the upper ends of the boards to rest upon the outer edges of the pieces B, while the lower ones, *d'*, are provided on their lower sides with tongues *d''*, slightly bent downward at their lower ends to enable them to enter notches or mortises in the rafters.

E E are the ridge-boards, connected together at the apex formed by their union, and resting at their lower ends on and overlapping the upper ends of the roof-boards D, said ridge-boards being anchored in position thereon by means of the wires or cords *e*, having secured to their lower ends weights *e'*, both which and the weights *c'* of the cords or wires *c* of the eave-boards are held in a suspended position.

From the foregoing it will be seen that a roof is furnished which is capable of being readily and easily put up and taken apart, and is portable for shipment, and to permit it to be conveniently transported from place to place about the field wherever a hay or straw stack is to be roofed.

If desired, a ridge-pole supported by suitable uprights can be passed under the apex of the roof and hold it in an elevated position over the hay, &c.

I claim and desire to secure by Letters Patent—

1. In a roof of the aforesaid class, the combination, with the anchored rafters A, having notches or mortises in their upper surfaces, of the roof-boards D, having their lower cleats, *d'*, provided with the downwardly-bent tongues *d''*, substantially as and for the purpose set forth.

2. In a roof of the aforesaid class, the combination, with the parallel ridge-beams B, having the vertical apertures provided with pins *b*, of the rafters A, having the relatively horizontal apertured tongues *a*, substantially as and for the purpose set forth.

3. In a roof of the aforesaid class, the com-

bination, with the anchored mortised side boards, C, and eave-boards C', connected together, the boards D and their tongued cleats *d'* and *d*, and the ridge-boards E, of the rafters  
5 A, having the apertured plates or tongues *a*, and the parallel ridge-beams B, having vertical apertures which receive pins *b*, substantially as and for the purpose set forth.

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

JACOB H. BEAN.

Witnesses:

WM. H. BEAN,

ROBT. H. WOODCOCK.