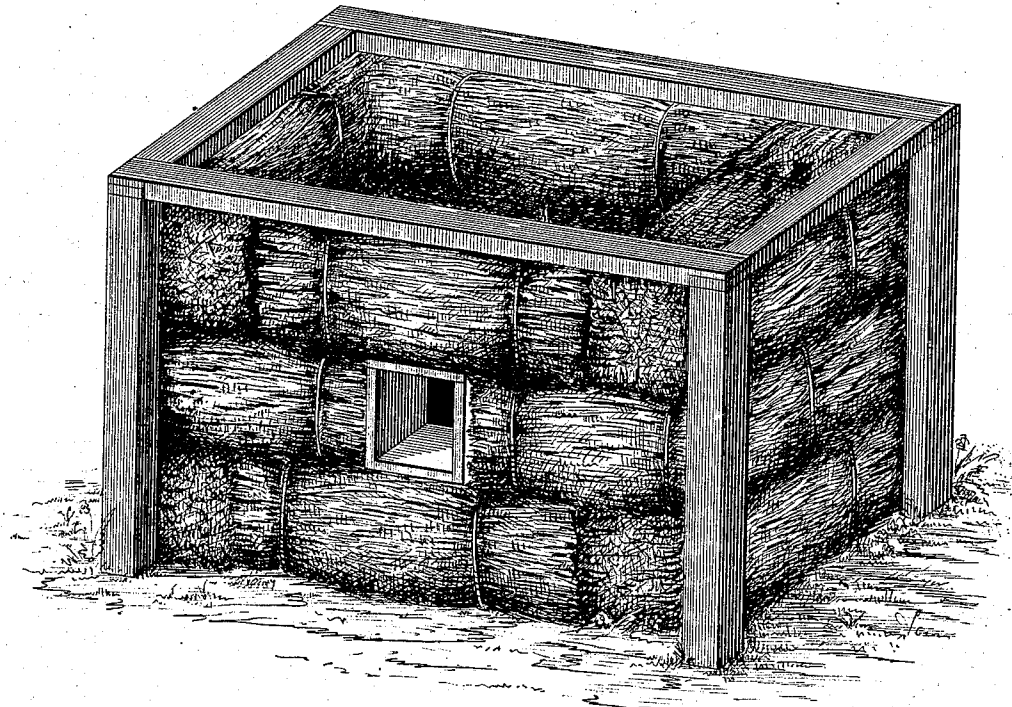


J. M. LEEDS.  
Building Houses, Barns, Fences, &c.  
No. 225,065. Patented Mar. 2, 1880.



*Witnesses:*

*Silas T. Stout*  
*Henry Davis*

*Inventor:*

*Josiah M. Leeds.*

# UNITED STATES PATENT OFFICE.

JOSIAH M. LEEDS, OF KOKOMO, INDIANA.

BUILDING HOUSES, BARNs, FENCES, &c.

SPECIFICATION forming part of Letters Patent No. 225,065, dated March 2, 1880.

Application filed November 5, 1878.

*To all whom it may concern:*

Be it known that I, JOSIAH M. LEEDS, of Kokomo, in the county of Howard and State of Indiana, have invented a new and useful Improvement in Buildings, of which the following is a specification.

The object of this invention is to furnish a cheap and useful method of building barns, stables, houses, and fences, of material easily obtained and at a nominal cost. Said buildings can be rapidly constructed, and they are convenient and durable.

The improvement consists in the manner of using the material now considered of little value, and generally thrown away or allowed to go to waste, and is this:

I cut hay, or take straw or corn-stalks, sorgo-stalks, hemp-straw, flax-straw, willow-brush, cedar-brush, or any kind of material that can be pressed into bales, of any convenient size as regards length, breadth, or thickness, banding them with wire or hoop-iron, or any other bandages, then laying them up into buildings, breaking the joints, the same as in laying up brick. I use a mortar or not, as I deem it best.

In constructing my buildings, I set up corner posts made of two-inch planks or studding,

fasten the feet firmly, and at the top put rods through to hold them firmly together. I then lay the bales of hay, straw, stalks, or brush up one upon another until I have attained the desired height. I then lay a plate or joist on the top of my walls. On this I place the foot of the rafters or lay my joist. I roof with shingles or thatch with straw.

When the building has settled thoroughly the corner posts may be taken off or allowed to remain, as one may deem it best.

I make door-frames of wood, and readily attach them to the walls by means of billets of wood in the bales.

I claim—

1. The structure described, consisting of bales of hay, straw, or equivalent material, bound and laid in the manner described.

2. The combination of the bales with the corner posts and joists, substantially as described.

JOSIAH M. LEEDS.

Witnesses:

SILAS T. STOUT,  
HENRY DAVIS,  
WM. A. STUART,  
WILLIAM STYER.