

P. A. & I. S. KNAPP.
CONSTRUCTING WALLS.

No. 176,229.

Patented April 18, 1876

Fig. 1.

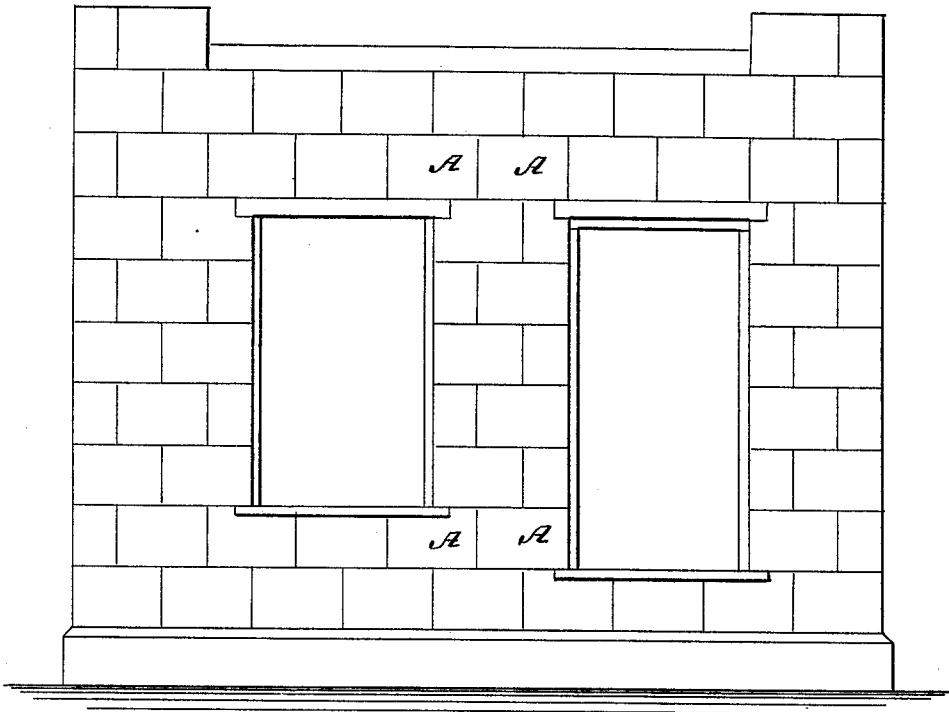


Fig. 2.

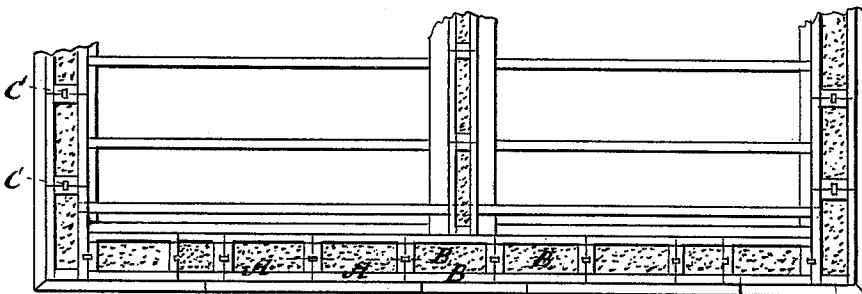
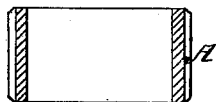


Fig. 3.



WITNESSES:

E. Woff.
John Goethals.

INVENTOR:

P. A. Knapp
I. S. Knapp

BY

Wm. L. Knapp
ATTORNEYS.

UNITED STATES PATENT OFFICE.

PHILO A. KNAPP AND IRA S. KNAPP, OF DANBURY, CONNECTICUT.

IMPROVEMENT IN CONSTRUCTING WALLS.

Specification forming part of Letters Patent No. **176,229**, dated April 18, 1876; application filed March 13, 1876.

To all whom it may concern:

Be it known that we, PHILO A. KNAPP and IRA S. KNAPP, of Danbury, Fairfield county, Connecticut, have invented a new and useful Improvement in the Construction of Houses, of which the following is a specification:

Our invention consists in the construction of the walls and partitions of houses and other buildings, of boxes without top and bottom, and filled with loose gravel or other approved filling material, the boxes being placed one upon another and tied, keyed, or otherwise fastened together and forming blocks, in imitation of stone or other building-blocks.

Figure 1 is a side elevation of a wall constructed according to our invention. Fig. 2 is a plan of unfinished walls and partitions, showing a top view of a course of blocks, and Fig. 3 is a section of a box comprising, when filled with loose gravel or other material, one of the building-blocks.

Similar letters of reference indicate corresponding parts.

A represents the box having sides, but neither top or bottom, the same being made of boards of wood, suitably fastened together in suitable size and shape for a building-block, which is to be used with others of like form, or

of such other form as may be preferred, for ornamental design, or for different parts of the building, the blocks being placed one on another in the manner of other building-blocks, and being filled with any approved material, as loose gravel, coarse sand, and the like, and being keyed as at C or doweled or otherwise connected and fastened.

The foundation may be either stone or wood, as preferred.

The advantages are cheaper cost for equal quality, the joints are less liable to open by shrinkage than other wood constructions, and the construction does not require as skilled labor as others.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

The method of constructing the walls of buildings so as to render unnecessary any siding, sheathing, lathing, or plastering, by forming the building-blocks with sides, and connected ends of wood, as shown and described.

PHILO A. KNAPP.
IRA S. KNAPP.

Witnesses:

ALEXANDER WILDMAN,
LUMAN L. HUBBELL.