

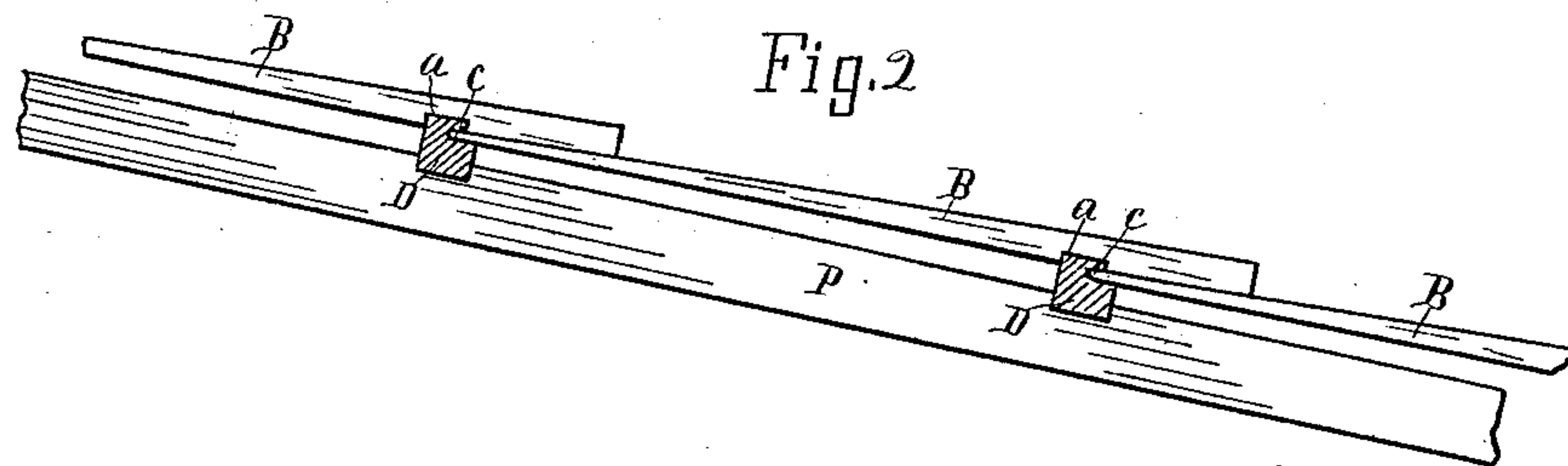
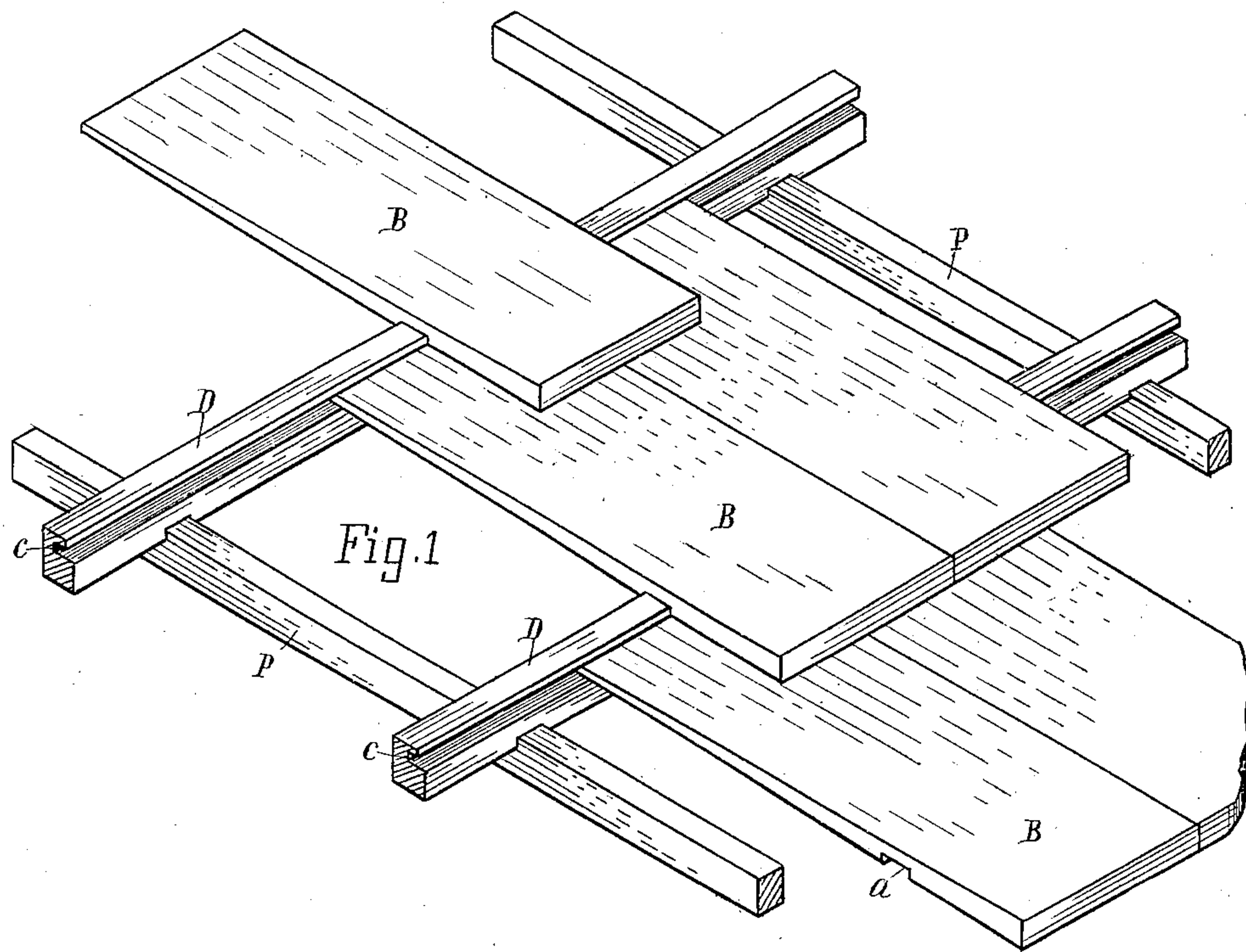
(No Model.)

H. C. UNDERWOOD.

ROOF FOR TOY HOUSES.

No. 329,513.

Patented Nov. 3, 1885.



Witnesses.

*John B. Perkins*

*Ralph Littler*

Inventor.

*H. Channing Underwood*

*By Lucius C. West*

*Att'y*

# UNITED STATES PATENT OFFICE.

H. CHANNING UNDERWOOD, OF WABASH, INDIANA.

## ROOF FOR TOY HOUSES.

SPECIFICATION forming part of Letters Patent No. 329,513, dated November 3, 1885.

Application filed May 18, 1885. Serial No. 165,803. (No model.)

*To all whom it may concern:*

Be it known that I, H. CHANNING UNDERWOOD, a citizen of the United States, residing at Wabash, county of Wabash, State of Indiana, have invented a new and useful Roof for Toy Houses, of which the following is a specification.

This invention consists in the following described novel plan of constructing and laying shingles for roofs of toy houses. It is desirable that the roofs of "knockdown" toy houses shall as nearly as possible resemble the shingled roofs of dwelling houses, and at the same time have the parts of the roof so constructed that the children can build them by detachably connecting one shingle and then another with the beams of the roof until the roof is shingled complete.

In the accompanying drawings, forming a part of this specification, Figure 1 illustrates a portion of one side of a gable-roof in perspective, showing the manner of laying the shingles; and Fig. 2 is an end elevation of the same, as when looking at the gable-end of the roof.

Referring to the letters marked on the drawings, P P represent rafters of the roof, which of course, when in use, are detachably connected with the toy house, no house being herein shown. Transverse scantlings D D are employed to support the shingles, said scantlings of course being detachably connected to the rafters P, the idea being fully illustrated in the drawings, in which the scantlings appear mortised in the under side to detachably fit over the rafters; but this feature of the construction may be modified to suit the ideas of the manufacturers of toy houses. The shingles are preferably made thinnest at one end, like the shingles of large buildings. These shingles B B are provided with a transverse groove in their under side, to detachably fit over the upper side of the scantling D. These scantlings have a channel, c, in one side to receive the upper end of the shingles B. The distance apart of the scantlings D D, the length

of the shingles B, and the distance of the groove a from the end of the shingle are so proportioned in relation to each other that the lower end of the shingles will lap over the upper end sufficiently to present a desirable appearance. The shingles so constructed are simple, natural in appearance, easily laid, and are detachably and yet securely held on the roof, so as not to accidentally fall off, and so that they may be easily removed and relaid again. This plan is deemed a valuable improvement over prior modes of constructing the roofs of large buildings, one of which I am aware consists in providing a roof with cross supporting-beams having a channel in the side to receive one end of tile sections, which form the roof-covering, said sections having lugs for engaging the cross-beams which support them; but so far as I know I am the first to combine in a roof the channeled cross-beams and the grooved detachable shingles. In laying the roof, of course the shingles in one row may break over the seams between the shingles in another row in the manner of laying shingles of large houses, this feature being illustrated in Fig. 1.

In an extensive manufacture of toys I have found the style of roof cheap, effectual, and very desirable in appearance.

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

In a roof for toy houses, the combination, with transverse scantlings for supporting the shingles, provided with a channel in the side to receive one end of the shingles, of shingles provided with a transverse groove in the under side for fitting over the upper portion of said scantlings, substantially as set forth.

In testimony of the foregoing I have hereunto subscribed my name in presence of two witnesses.

H. CHANNING UNDERWOOD.

Witnesses:

JIM M. AMOSS,

JOSEPH MACKEY.