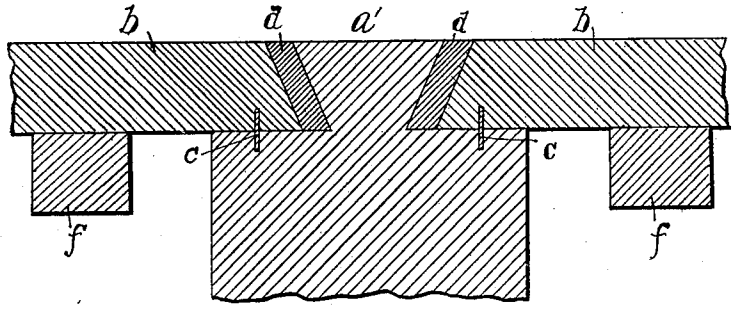
No. 754,888. PATENTED MAR. 15, 1904.

E. L. PEASE.

STRUCTURAL ARRANGEMENT APPLICABLE TO FLOORING, ROOFING, &c.

APPLICATION FILED APR. 7, 1903.

NO MODEL.



Witnesses.
Stephen Kinsta
Fred W. Engelst.

Inventor
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his attorneys.

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No. 754,888. Patented March 15, 1904.

UNITED STATES PATENT OFFICE.

EDWARD LLOYD PEASE, OF DARLINGTON, ENGLAND.

STRUCTURAL ARRANGEMENT APPLICABLE TO FLOORING, ROOFING, &c.

SPECIFICATION forming part of Letters Patent No. 754,888, dated March 15, 1904.

Application filed April 7, 1903. Serial No. 151,509. (No model.)

To all whom it may concern:

Be it known that I, EDWARD LLOYD PEASE, a subject of the King of Great Britain and Ireland, residing at Hurworth Moor, Darlington, in the county of Durham, England, have invented certain new and useful Improvements in Structural Arrangements in a Manner Applicable to Flooring, Roofing, Walling, and the Like Structural Purposes; 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 appertains to make and use the same.

This invention relates to a method or system of arranging and combining constructive details adapted and intended to constitute by simple means a strong, rigid, and easily fixed-up flooring in which a beam and panel or beam and floor-board interlock is employed in the structural arrangements in connection with roofs and the like structural parts of huts, arcades, railway or cattle sheds, and covered-in structures generally.

The object of my invention is to apply to this line of structural work the simplest methods and arrangements of fixing together and erection possible, thereby adapting the improvements for use more especially in countries or localities in which skilled labor is not easily attainable.

For the purpose of illustration I have shown in the accompanying drawing the embodiment of my invention as applied for use in the construction and arrangement of flooring and in which the view represents a detail transverse section through the flooring. This flooring consists of a joist having a construction of interlocking joint between the joist or bearer *a* and the boards *b b* of the flooring. The ends of these boards, which overlap the joists, are tapered edgewise to interlock with a dovetailed ridge *a'*, forming part of the joist itself. The covering or panels *b b* are interlocked to the beam *a* by short metal strips *c* let into corresponding slots in each, a wooden packing *d* being driven in between the tapered edge of the covering and the dovetailed ridge at erection, which closes the parts tight together, it being understood that the spaces occupied by the packing serve to pass the panels into position clear of the edges of the dovetailed ridge. This prevents the covering lifting and secures an even surface of the floor, which is found useful where a covering is used, or this construction may be modified by dispensing with the metal strip *c*, in which case the packings *d* are relied on to create sufficient compression to effect a tight joint. Battens *f f* may be used, as shown, for combining several boards together in the form of a panel.

What I claim is—

1. In structural arrangements for flooring, roofing, and the like, the combination of supports each provided with a dovetailed projection, boards provided with tapering edges adapted to fit under said dovetailed projections, and packing between the edges of the boards and the dovetailed projection, substantially as described.

2. In structural arrangements for flooring, roofing, and the like, the combination of supports each provided with a dovetailed projection, boards provided with tapering edges, metal strips engaging said supports and boards, packing between the tapered edges of said boards and said dovetailed projections, and means whereby several boards may be combined together in a panel, substantially as described.

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

EDWARD LLOYD PEASE.

Witnesses:

GEORGE JAMES CLARKSON,

EDWARD THOMAS ELCOAT.