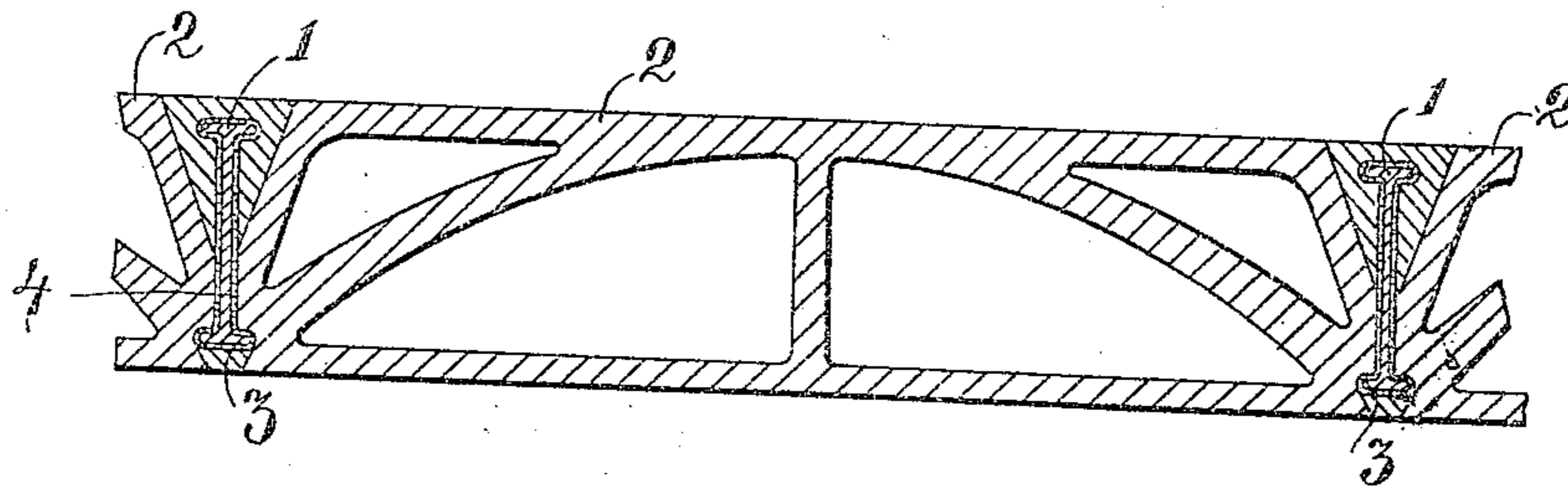


No. 764,772.

PATENTED JULY 12, 1904.

H. G. V. RYDAHL.
FIREPROOF SKELETON FLOORING
APPLICATION FILED JAN. 13, 1904.

NO MODEL.



Witnesses
Ewald Delmar
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Inventor
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UNITED STATES PATENT OFFICE.

HERMAN GUSTAF VICTOR RYDAHL, OF STOCKHOLM, SWEDEN.

FIREPROOF SKELETON FLOORING.

SPECIFICATION forming part of Letters Patent No. 764,772, dated July 12, 1904.

Application filed January 13, 1904. Serial No. 188,930. (No model.)

To all whom it may concern:

Be it known that I, HERMAN GUSTAF VICTOR RYDAHL, a subject of the King of Sweden and Norway, and a resident of Stockholm, Sweden, have invented new and useful Improvements in Fireproof Skeleton Floorings, of which the following is a specification, reference being had to the drawing accompanying and forming a part hereof.

This invention relates to improvements in fireproof skeleton floorings consisting of iron or cement beams of I-shaped cross-section and cast hollow blocks inserted between said beams.

The object of the invention is to obtain floorings which are strong and cheap and at the same time present smooth and flat floor and ceiling surfaces above and below the beams.

The invention consists in the combination and arrangement of parts hereinafter described and claimed.

In the accompanying drawing I have shown a vertical section of a part of fireproof flooring.

Referring to the drawing, blocks 2, of cement or other similar material, are inserted between iron or cement beams 1 of I-shaped cross-section, the said beams being preferably coated by a sound-deadening material—for instance, pasteboard or the like. The said blocks rest direct on the lower flanges of the beams or on the said coating by means of the upper sides of grooves 3, provided at the bottom of the block ends. Furthermore, the blocks are at their ends supplied with comparatively large flat surfaces 4, by means of which the blocks bear against the web of the beams or against the aforesaid covering. At the tops of the ends the blocks are beveled in

order to enable the blocks being conveniently inserted between the beams. Finally, the upper and under sides of the blocks are flat, and the blocks are of such a thickness that with their upper and under sides they form smooth and flat floor and ceiling surfaces, which extend both above and below the beams.

Having now particularly described my invention and in what manner the same may be performed, what I claim as new, and desire to secure by Letters Patent, is—

1. In a fireproof skeleton flooring the combination, of I-shaped beams, and hollow blocks inserted between said beams, the said blocks resting at their ends directly on the lower flanges of the beams, bearing by comparatively large flat surfaces against the web of the beams, being beveled at the tops of their ends, extending above and below the said beams, and presenting even floor and ceiling surfaces, substantially as and for the purpose set forth.

2. In a fireproof skeleton flooring the combination of I-shaped beams, a sound-deadening material surrounding said beams, and hollow blocks inserted between said beams, the said blocks resting at their ends on the lower flanges of the beams, bearing by comparatively large flat surfaces against the web of the beams, being beveled at the tops of their ends, extending above and below the said beams, and presenting even floor and ceiling surfaces, substantially as and for the purpose set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HERMAN GUSTAF VICTOR RYDAHL.

Witnesses:

EVALD DELMAR.

KARL RUNCKOG.