

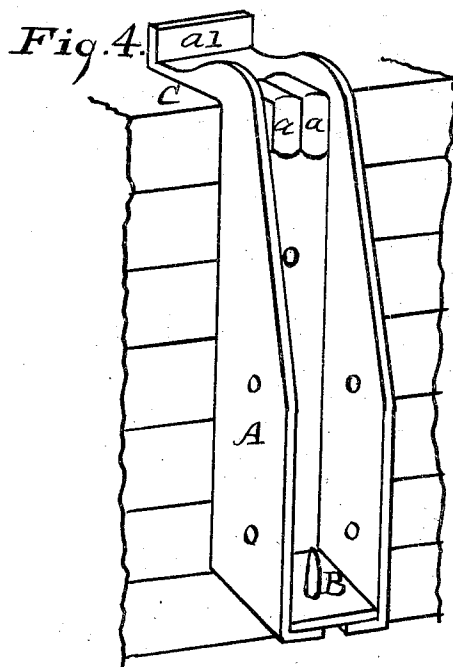
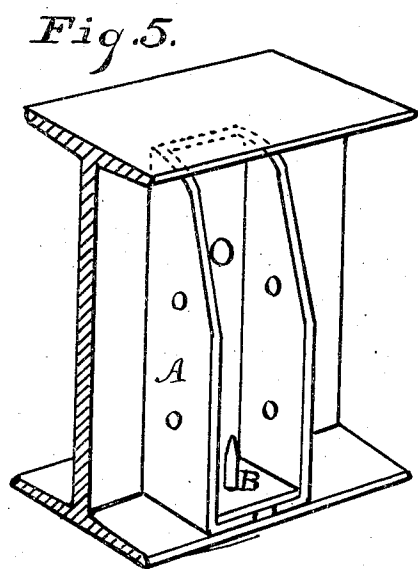
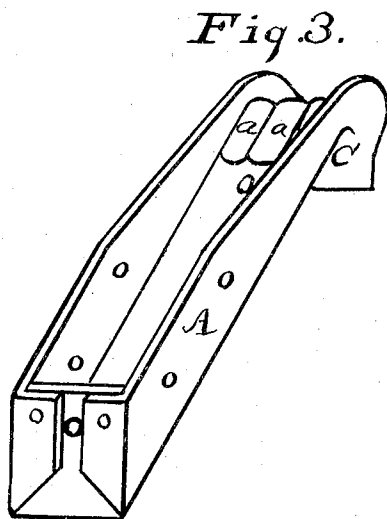
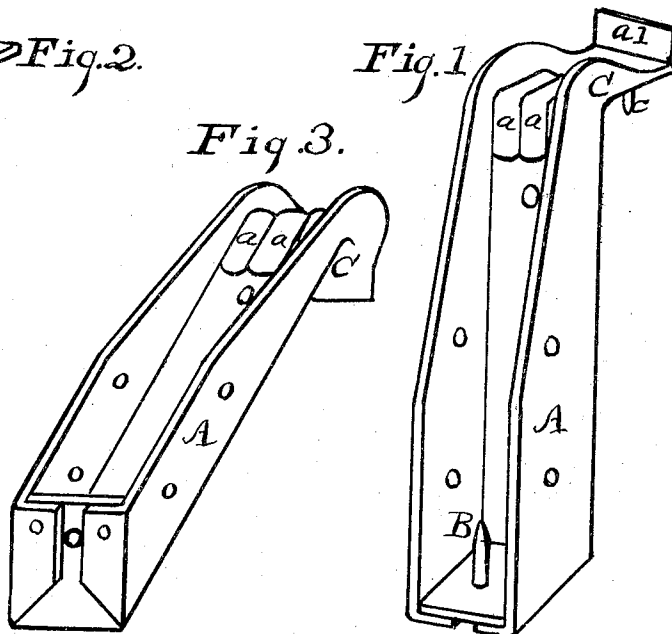
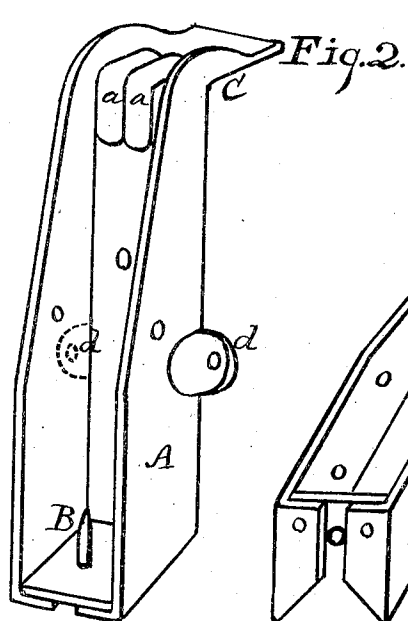
No. 770,050.

PATENTED SEPT. 13, 1904.

W. D. DREYER.
JOIST HANGER.

APPLICATION FILED APR. 18, 1904.

NO MODEL.



Witnesses:
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UNITED STATES PATENT OFFICE.

WILLIAM D. DREYER, OF CLEVELAND, OHIO.

JOIST-HANGER.

SPECIFICATION forming part of Letters Patent No. 770,050, dated September 13, 1904.

Application filed April 18, 1904. Serial No. 203,595. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM D. DREYER, a citizen of the United States of America, and a resident of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Joist-Hangers, of which the following is a specification.

This invention relates to floor-joist hangers; and it consists in the new construction and combination of parts for the accomplishment of the purposes intended.

The nature and objects of this invention are to provide a hanger which may be applied to buildings of all kinds of construction and that shall be cheap, simple, and easily and readily applied.

In the accompanying drawings, Figure 1 is a perspective view of the hanger designed for attachment to a brick wall. Fig. 2 is a perspective view of the hanger designed for attachment to a wooden beam. Fig. 3 is also a perspective view of the hanger in a lying position to show the construction of the bottom. Fig. 4 is also a perspective view of the hanger as seen attached to a brick wall. Fig. 5 is also a perspective view of the hanger having its upper portion cut off and as seen attached to a metal I-beam.

In the several views, A represents the hanger, which is made of a single piece of metal, steel preferred, formed in three sides of a parallelogram, having the bottom cut and bent to lap, as seen in Fig. 3, the bend of the back wall being the full width of the bottom and the side walls cut and beveled to lap under the back lap about one-fourth of the width. The laps may be riveted or not, as desired. A

sharpened pin B is fixed in the bottom for insertion in the joist.

On the top of the hanger is formed a hook or arm C for hanging it on a wall or beam. In the bend of this hook or arm are made corrugations *a a* to give it greater strength. In the case the hanger is intended for attachment to a brick wall the hook or arm has an additional upright bend *a'*, by means of which it may be anchored in the wall. When the hanger is used on wooden beams, a pin *c* may be fixed on the under side of hook C. In some instances the hangers that are to be used on wooden beams may have ears *d* at each side.

As seen in Fig. 5, the hanger may be shortened and attached to a metal beam. Holes may also be made in the sides of the hanger for securing the joists in place with screws or nails.

Having described my invention, what I claim is—

The herein-described joist-hanger consisting of the three-sided part A, having forward-projecting side walls, a corrugated hanging hook having an upwardly-turned lip *a'*, on its upper end, a closed bottom formed with a lip on its back wall bent forward between the side walls, and a short lip on the side walls bent and lapped under the back-wall lip, pins B in the bottom, and ears *d d* on the sides, with perforations in the walls and ears, substantially as described.

Signed by me at Cleveland, Ohio, this 15th day of April, 1904.

WILLIAM D. DREYER.

Witnesses:

JNO. K. CORWIN,
JOHN F. WENDT.