

(No Model.)

F. TRABERT.  
HANGER FOR FLOOR ARCH CENTERS.

No. 417,957.

Patented Dec. 24, 1889.

Fig. 1.

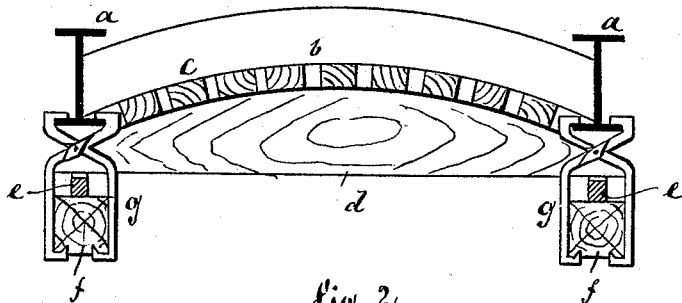


Fig. 2.

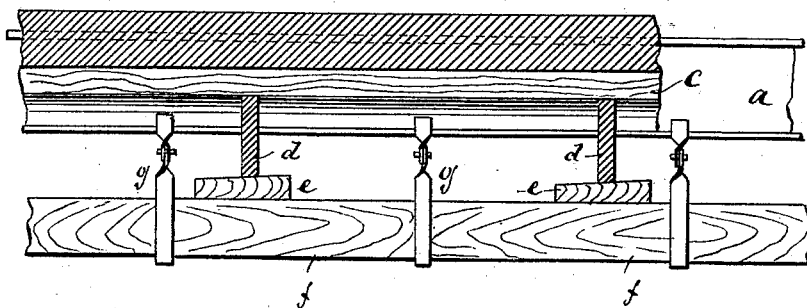
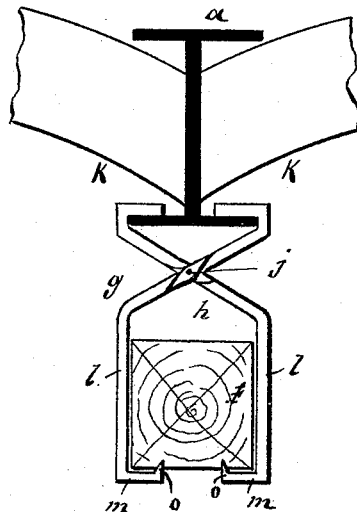


Fig. 3.



WITNESSES:

Henry Huber  
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# UNITED STATES PATENT OFFICE.

FRIEDRICH TRÄBERT, OF RATHENOW, PRUSSIA, GERMANY.

## HANGER FOR FLOOR-ARCH CENTERS.

SPECIFICATION forming part of Letters Patent No. 417,957, dated December 24, 1889.

Application filed September 20, 1889. Serial No. 324,592. (No model.)

*To all whom it may concern:*

Be it known that I, FRIEDRICH TRÄBERT, of Rathenow, in the Kingdom of Prussia and Empire of Germany, a citizen of Germany, have invented certain new and useful Improvements in Hangers for Floor-Arch Centers; and I do declare the following to be a full, clear, and exact description of the invention.

10 In constructing brick arches between iron floor-beams temporary supports for the arches must be provided, which supports are known as "centers." These centers are usually supported by beams and struts placed on the beams below; but this is rather inconvenient, expensive, and requires much time.

15 The object of my invention is to provide a device by means of which the centers of floor-arches can be suspended directly from the beams between which the arches are to be constructed.

20 The invention consists in the construction and combination of parts and details, as will be fully described hereinafter, and finally pointed out in the claim.

25 In the accompanying drawings, Figure 1 is a cross-sectional view of two iron floor-beams and an arched center supported below the same by means of my improved supporting device. Fig. 2 is a longitudinal section and elevation of the construction shown in Fig. 1. Fig. 3 is an enlarged detail view showing my improved supporting device, the iron beam on which the device is applied and the wooden beams supported by the device being shown in section.

Similar letters of reference indicate corresponding parts.

30 If a brick arch is to be constructed between the iron beams *a*, the arch-center *b* must be arranged between said beams. This arch-center is composed of longitudinal wooden strips *c*, resting on the transverse segmental pieces *d*, the ends of which rest on wedges *e*, placed upon wooden beams *f* below the iron

beams *a*. The said wooden beams *f* are suspended from iron beams *a* by means of my improved supporting device *g*, which is composed of two crossed iron bars *h*, pivoted to each other at the intersection *j*. The upper ends of the bars are bent toward each other horizontally to form the lugs *k*, that rest on the bottom flange of the iron beams *a*. The bars *h* are then extended downward to form the shanks *l*, and the lower ends of said shanks are bent toward each other to form the arms *m*, upon which the wooden beam *f* can rest. On the ends of said arms prongs *o* are formed, which are forced into the bottom of the beam *f* and prevent the device from slipping. The supporters *g* are readily applied on or removed from the iron beams *a* and hold the center-supporting beams *f* in place securely. No struts or braces are required for supporting the beams from below, and thus the cost of the arches is reduced, and they can be made in a shorter time, as my improved supports can be applied much more readily than the struts and beams used heretofore.

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

A hanger for supporting wooden beams below iron floor-beams, composed of two cross-bars *h*, pivoted to each other at the intersection, and provided at their upper ends with arms *k*, projecting toward each other, said bars being bent to project downward below the intersection, the lower ends of said bars being bent to project toward each other to form a support for the wooden beam, and said supporting-arms being provided at their free ends with upwardly-projecting spurs, substantially as set forth.

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

FRIEDRICH TRÄBERT.

Witnesses:

OTTO CLAIRY,  
WILHELM SCHÜTZE.