Jan. 19, 1926.

1,570,496

C. C. JONES

TRUSS FORM SYSTEM

Filed March 3, 1924

2 Sheets-Sheet 1

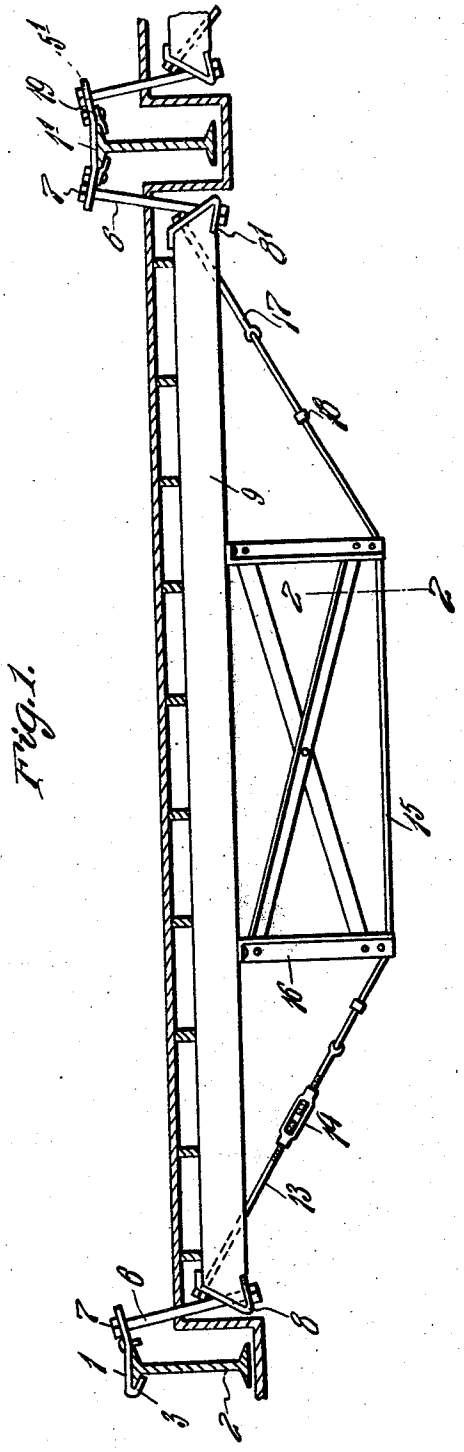


Fig. 1.

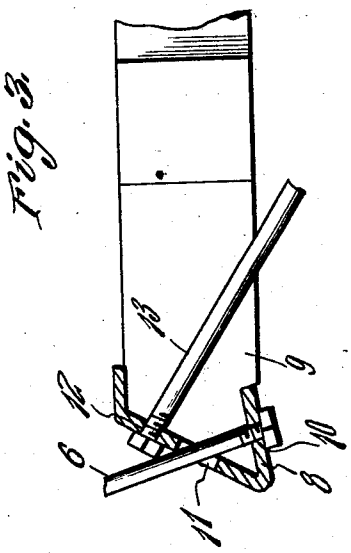


Fig. 3.

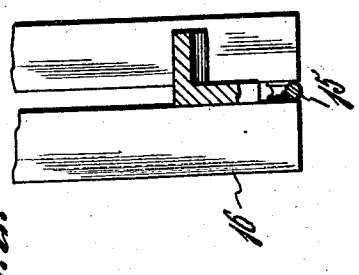


Fig. 2.

C. C. Jones

INVENTOR

BY Victor J. Evans

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Jan. 19, 1926.

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2 Sheets-Sheet 2

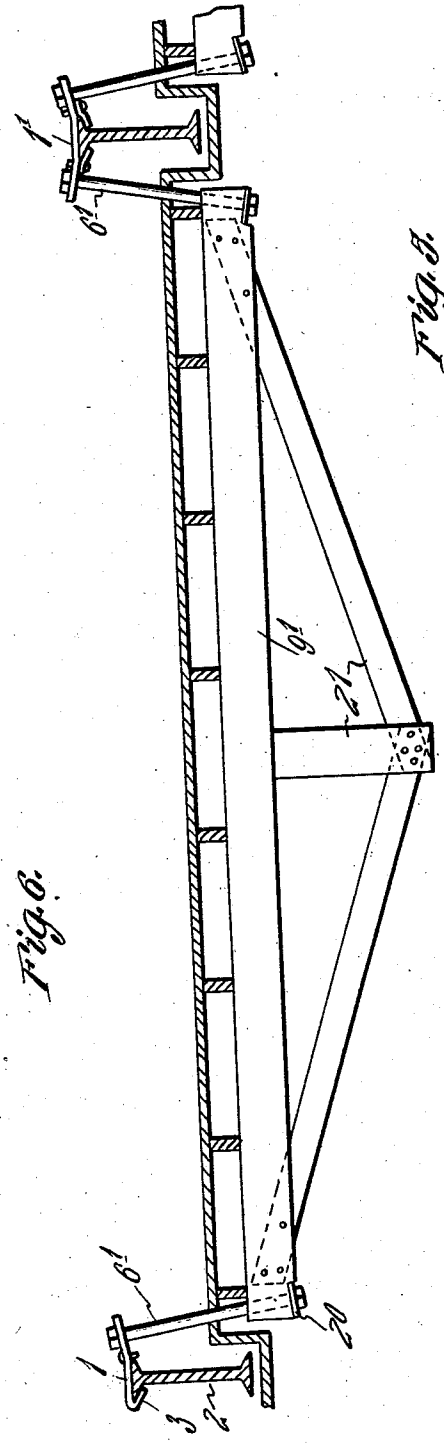


Fig. 6.

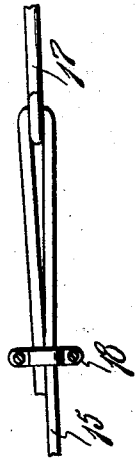


Fig. 5.

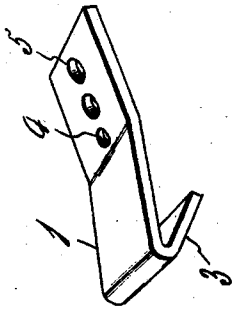


Fig. 4.

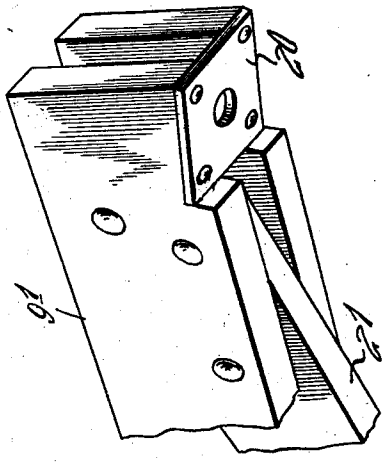


Fig. 7.

C. C. Jones INVENTOR

BY Victor J. Evans

ATTORNEY

Patented Jan. 19, 1926. 1,570,496

UNITED STATES PATENT OFFICE.

CLAUDE CIRTUS JONES, OF CHARLESTON, WEST VIRGINIA.

TRUSS-FORM SYSTEM.

Application filed March 3, 1924. Serial No. 696,664.

To all whom it may concern:

Be it known that I, CLAUDE C. JONES, a citizen of the United States, residing at Charleston, in the county of Kanawha and State of West Virginia, have invented new and useful Improvements in Truss-Form Systems, of which the following is a specification.

This invention relates to a truss form for use in supporting ceilings, floors and the like in steel frame buildings, the general object of the invention being to provide means whereby the forms can be easily and quickly set up, the material used over and over again and a clear floor space left for the workmen when the truss is in position to support a concrete mold or for storage of material.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawings and specifically pointed out in the appended claims.

In describing my invention in detail, reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in which:—

Figure 1 is a sectional view showing the invention in use.

Figure 2 is a section on line 2—2 of Figure 1.

Figure 3 is a sectional detail view of the means at one end of the beam 9.

Figure 4 is a perspective view of one of the hangers.

Figure 5 is a view of the means for connecting the cable 15 to the bolt 17.

Figure 6 is a sectional view showing a modification.

Figure 7 is a perspective view of one end of the beam 9′ shown in this modification.

As shown in these views, I provide hangers 1 for engaging the I beams 2 of the building, these hangers having hooked ends 3 which form spaces of tapered formation so as to engage the flanges of the I beam and by making them tapered the hangers can be used on different sizes of I beams. They are provided with bolt holes 4 so that they can be held in place while the system is being erected and they are also provided with the large holes 5 for receiving the bolts 6 which are adjustably held to the hangers by the nuts 7. Angle plates 8 are placed on the ends of the beam 9 and each of these plates has a hole 10 in its horizontal flange and an oblong hole 11 in its inclined part for receiving the bolt 6. The plates are each provided with a hole 12 for receiving the member 13 of the turn-buckle device 14 to which the cable 15 is connected. A steel frame 16, preferably formed of angle iron, is fastened at its upper end to the beam 9 and the cable passes over this frame and is looped through the eye in a bolt 17 and then has its end clamped to another part of the cable by the clamp 18 so that the length of the cable can be adjusted. The bolt 17 engages a plate 8′ at the opposite end of the beam 9 which is similar to the plate 8. This end of the beam can be attached to a hanger which is the same as that shown at 1 or where the system is used in continuous bays, the hangers between the bays are formed as shown at 1′ with each extremity bent upwardly and provided with a pair of holes 5′ for receiving the bolts 6. These hangers can be fastened to the I beams by the clamps 19.

Where short spans are being constructed, the system shown in Figure 6 and 7 may be used. In this case plates 20 are placed in notches formed in the ends of the beams 9′ for receiving the bolts 6′ instead of the angle plates shown at 8 in the first form of the invention and this system also omits the frame 16 and the cables and uses the wooden trusses 21.

This system not only takes the place of shores but it will carry a heavier load than the system using shores and can be quickly erected. It will also give a clear floor space below and the cost of erecting is only half as much as the shore system and requires one-third less lumber.

It is thought from the foregoing description that the advantages and novel features of my invention will be readily apparent.

I desire it to be understood that I may make changes in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claims.

What I claim is:—

1. A truss system comprising hangers for engaging I beams of a building, some of the hangers having hooks thereon for engaging the I beams and each hanger having a plurality of holes therein, bolts passing

through certain of the holes in the hangers, nuts for holding the bolts in the hangers, a beam and plates at the ends of the same having holes therein through which the bolts pass and truss means for the beam.

2. A truss system comprising hangers for engaging I beams of a building each hanger having a plurality of bolt holes therein and some of the hangers having hooks thereon for engaging the I beams, bolts passing through certain of the holes in the hangers, nuts for holding the bolts in the hangers, a beam and plates at the ends of the same having holes therein through which the bolts pass and truss means for the beam, such means consisting of a frame connected with the beam, a cable passing over the frame, members passing through holes in the plates at the ends of the beam, a turnbuckle arrangement connected with one member and to which one end of the cable is connected and clamping means for adjustably connecting the other end of the cable with the other member after the cable has been passed through an eye in said last mentioned member.

In testimony whereof I affix my signature.

CLAUDE CIRTUS JONES.