C. CORKHILL.

BINDER BRACKET FOR SCAFFOLDING, &c.

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1,088,324. Patented Feb. 24, 1914.

Fig. 1.

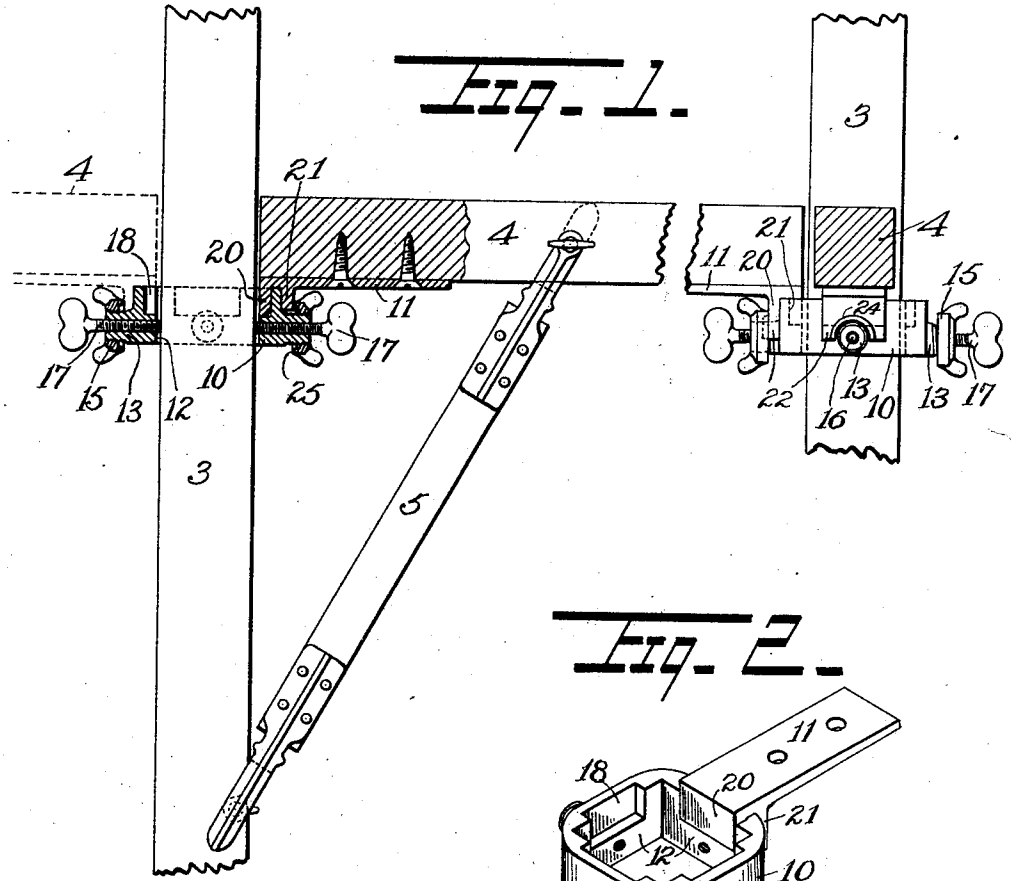


Fig. 2.

Fig. 3.

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Witnesses

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CHARLES CORKHILL, OF READING, PENNSYLVANIA.

BINDER-BRACKET FOR SCAFFOLDING, &c.

1,088,324. Specification of Letters Patent. **Patented Feb. 24, 1914.**

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To all whom it may concern:

Be it known that I, CHARLES CORKHILL, a citizen of the United States, residing at the city of Reading, in the county of Berks and State of Pennsylvania, have invented certain new and useful Improvements in Binder-Brackets for Scaffolding, &c., of which the following is a specification.

The main object of my invention is to provide improved platform-supporting means in connection with carrier columns such as are commonly employed for scaffolding or like purposes.

The invention is fully described in connection with the accompanying drawings and the novel features are specifically pointed out in the claims.

Figure 1 illustrates my invention as applied to a scaffold structure, two posts or columns of which are indicated, showing respectively a cross-sectional view of my improved binder bracket and a corresponding full view. Fig. 2 is a separate perspective view of the complete binder bracket; and Fig. 3 is a similar view of the detached bracket-arm.

Two rectangular columns 3, 3, are shown, with horizontal platform timbers 4, 4 rigidly secured thereto by means of my improved binder bracket; a diagonal brace 5 such as is commonly employed being also indicated though forming no part of my invention.

My improved device, as separately illustrated in Figs. 2 and 3, comprises a bracket ring 10 which is adjustably secured to each column 3; and a separate bracket-arm 11 which may be conveniently bolted or otherwise secured to the adjacent end of a platform piece 4; the effective and convenient locking of these secured parts as provided for, serving to rigidly bind the structure.

The interior walls 12 of the ring 10, are adapted to loosely fit the post or column 3 so as to permit of its being set to any desired height thereon. The exterior wall is formed with a series of bosses 13, corresponding in number, as shown, with the four faces of the rectangular column 3; each of these bosses being exteriorly screw-threaded, as indicated at 14, to receive a clamping nut 15, and also having a screw-threaded opening 16 extending through the wall, to receive a set screw 17 whereby the ring may be firmly secured in adjusted position upon the column. The interior walls 12 are formed with recesses 18 adapted to form pockets between the column and the ring, for reception of the bracket-arms 11.

Each bracket arm 11 is merely a supporting plate having at its ring-engaging end a depending forked or vertically bifurcated flange which thus comprises an outer branch 20 adapted to fit any one of the inner recesses or pockets 18 of the ring, and a parallel branch 21 which is spaced apart from the other to correspond with the thickness of the recessed ring wall and the base 22 of which is arranged to seat upon or fit over the corresponding outer boss 13. To provide for more effectively locking the engaged arm 11 to the ring 10, this base portion 22 of the flange branch 21 is formed with a curved rib 24 concentric with the boss 13; and the contacting face of the clamping nut 15 is formed with the annular flange 25 which incloses said curved rib 24 when the nut is seated for clamping the arm, thereby positively preventing disengagement of the clamped parts.

It will be understood that the bracket ring 10 may be adapted to adjustably fit a column of any desired cross-section, and that the number of bracket arms applied thereto may be varied as conditions require; the structure in any case being very substantial and safe as well as simple and economical, and being also very conveniently assembled or taken apart.

What I claim is:—

1. The combination of a column-engaging bracket-ring, a bracket-arm having a flanged end engaging said ring, a set screw for adjustably securing the ring to the standard and a clamping nut concentric with said screw for securing the arm to the ring.

2. The combination of a column-engaging bracket-ring, having inner-wall recesses and outer-wall bosses, a bracket-arm having parallel flanges one of which enters a recess and the other of which fits upon a corresponding boss, a set screw adjustable in said boss, and a clamping nut adjustable thereon.

3. The combination of a column-engaging

bracket-ring having inner-wall recesses and outer-wall bosses, a bracket-arm having parallel flanges one of which enters a recess and the other of which is provided with a ribbed base portion, and a boss-carried clamping nut having an annular flange to engage said ribbed base portion.

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

CHARLES CORKHILL.

Witnesses:
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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."