R. T. ROADELL.

Scaffold.

No. 208,852.

Patented Oct. 8, 1878.

Fig. 1

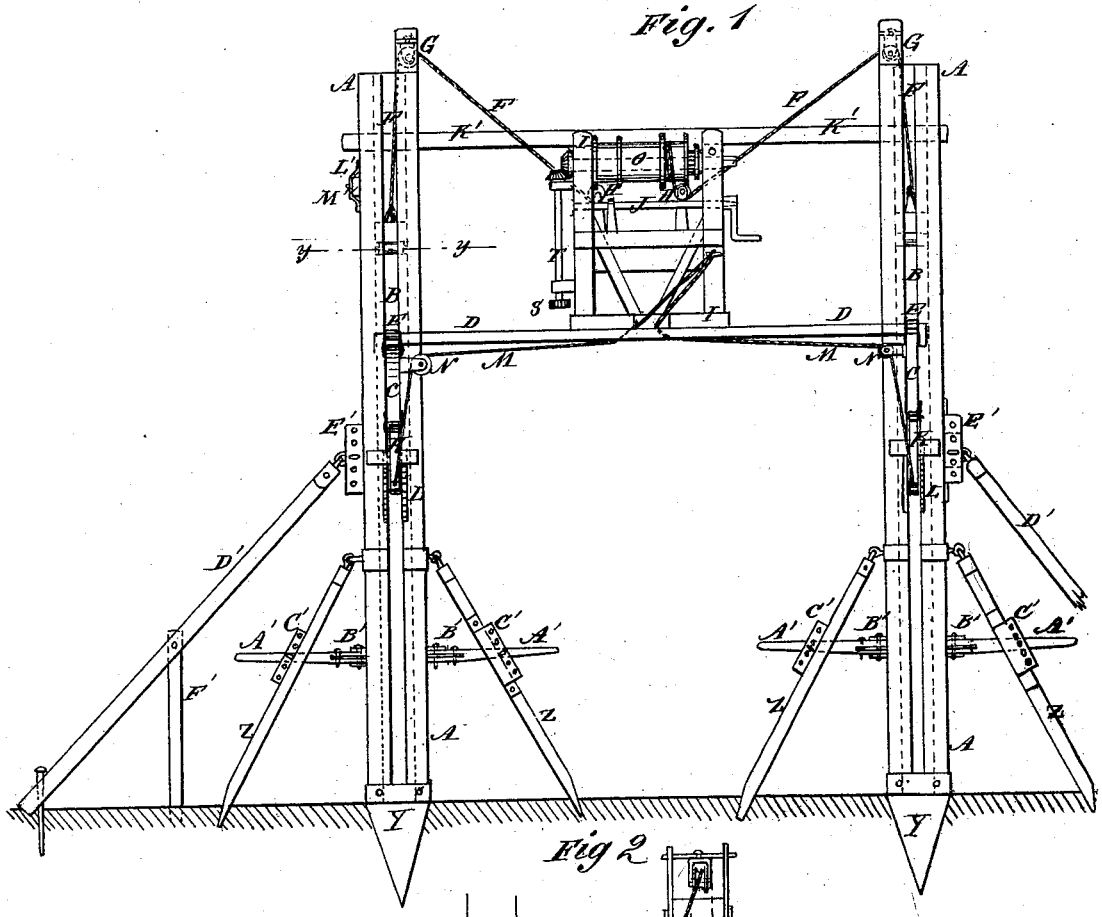
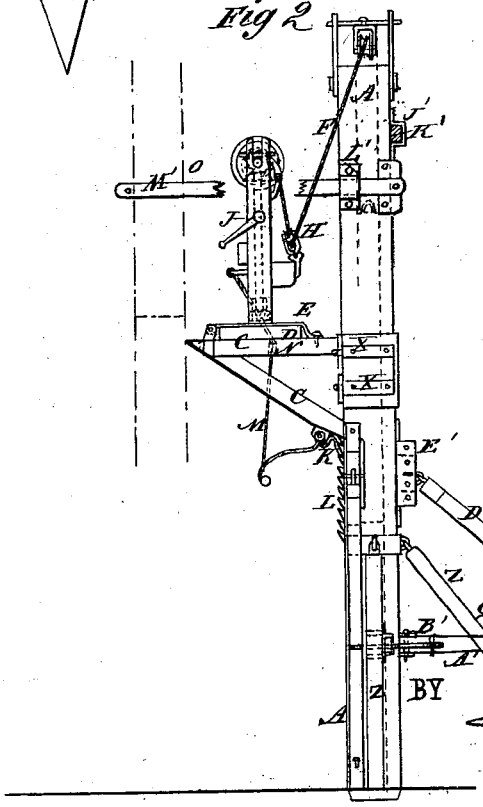


Fig 2



WITNESSES:

C. Neveux

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INVENTOR:

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# UNITED STATES PATENT OFFICE.

ROBERT T. ROADELL, OF FARLEY, IOWA.

## IMPROVEMENT IN SCAFFOLDS.

Specification forming part of Letters Patent No. **208,852**, dated October 8, 1878; application filed September 24, 1878.

*To all whom it may concern:*

Be it known that I, ROBERT THEODORE ROADELL, of Farley, county of Dubuque, and State of Iowa, have invented a new and useful Improvement in Scaffolds, of which the following is a specification:

Figure 1 is a front view of my improved scaffold. Fig. 2 is a side view of the same.

The invention will first be described in connection with the drawings, and then pointed out in the claims.

A in the drawings represents the scaffold-posts, slotted or grooved longitudinally to receive the slides B, to which are attached brackets C, that support the platform D. The latter passes through keepers E on bracket-arms, and has cleats that prevent it from slipping. To the upper ends of slides B are attached two ropes, F, that pass over pulleys G, pivoted to the upper ends of the posts A, around pulleys H, pivoted to a windlass-frame, I, and are attached to the crank-shaft J. The platform is held by pawls K in any desired position, said pawls being pivoted to bars of the bracket C, and made to engage with rack-bars L. The pawls have ropes M, that pass over pulleys N pivoted to arms of bracket C, and attached to windlass-frame I. To the upper part of said frame is pivoted a shaft, O, that receives a rope for raising heavy material to the platform D.

In the case of large scaffolds, posts A are made in two parts, and clamped by clamps X. To the lower ends of posts A are attached pointed feet Y, while the post is provided with braces Z, pivoted at the upper ends to the posts, and secured adjustably by arms A′, the inner ends of which are held by a pin to a curved perforated plate, B′, and the outer to a long perforated keeper, C′.

In case a high scaffold is required, the upper parts of the posts are strengthened by posts D′, whose upper ends are pivoted to perforated flanges E′. The lower ends of the braces D′ are pinned to the ground, and re-enforced by auxiliary braces F′. In keepers J′ is inserted a bar, K′, to serve as a guard; and to the posts A are attached keepers L′, that receive bars M′, to connect the upper part of scaffold with the building.

The operative mechanism herein described, and shown in Figs. 1 and 2, is given to render the invention more clearly intelligible, but will form the subject-matter of another application.

I am aware that grooved posts, slides, brackets, platforms, ropes, racks, pawls, and pulleys are severally old, and they form no part of my invention.

What I claim as new is—

1. The combination, with the posts A, of the adjustable braces Z, the adjustable bars A′, the perforated curved plates B′, and the perforated keepers C′, as and for the purpose described.

2. The combination, with the posts A, of the long braces D′, the perforated flanges E′, and the secondary braces F′, as and for the purpose specified.

ROBERT THEODORE ROADELL.

Witnesses:

Mrs. R. T. ROADELL,

DANIEL RUFF.