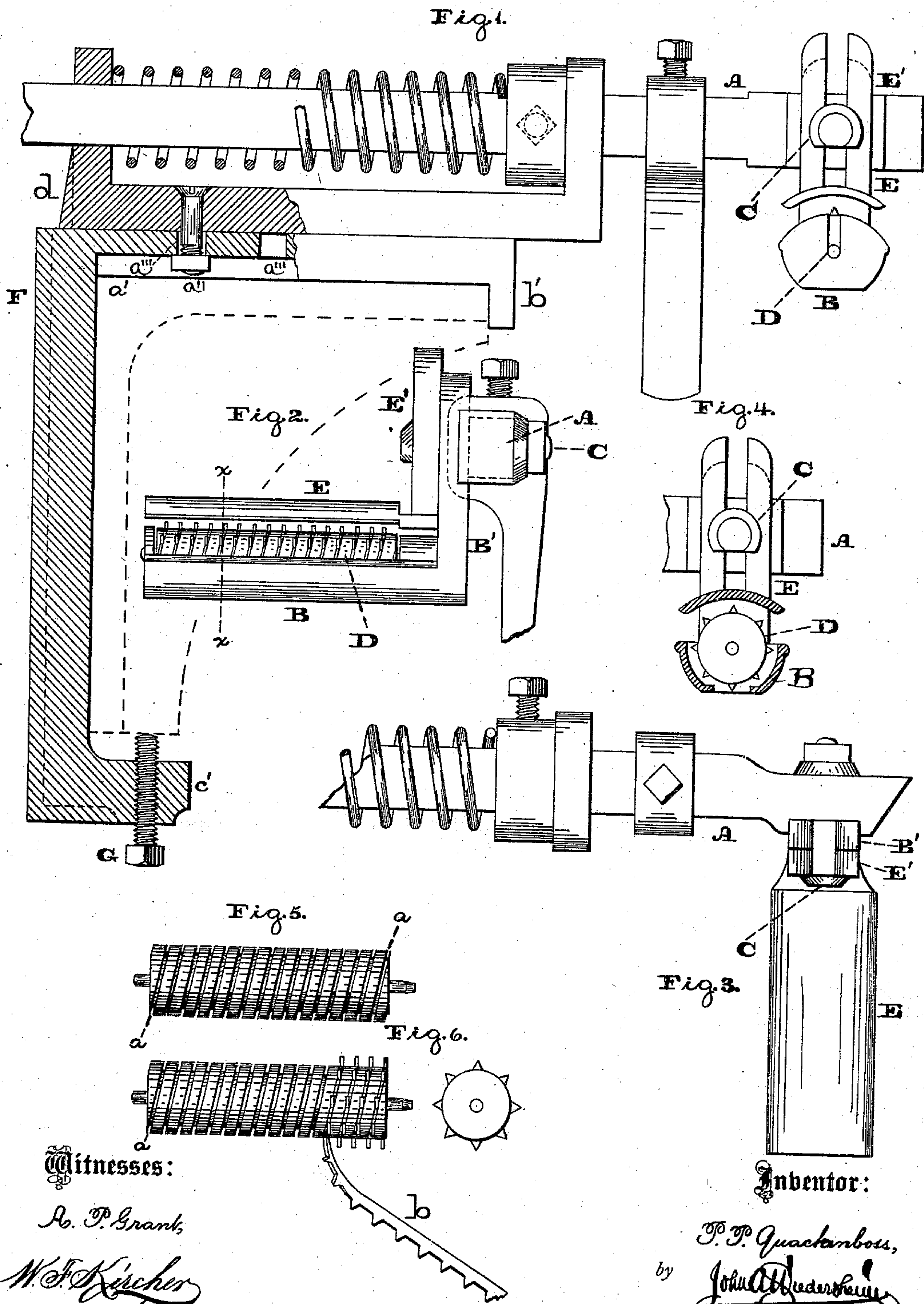


P. P. QUACKENBOSS.
Loom-Temple.

No. 215,396.

Patented May 13, 1879.



Witnesses:

R. P. Grant,

W. F. Kircher

Inventor:

P. P. Quackenboss,

by

John A. Quackenboss

ATTORNEY.

UNITED STATES PATENT OFFICE.

PHILIP P. QUACKENBOSS, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR
TO DUTCHER TEMPLE COMPANY, OF HOPEDALE, MASSACHUSETTS.

IMPROVEMENT IN LOOM-TEMPLES.

Specification forming part of Letters Patent No. **215,396**, dated May 13, 1879; application filed
March 26, 1878.

To all whom it may concern:

Be it known that I, PHILIP P. QUACKENBOSS, of the city and county of Philadelphia, and State of Pennsylvania, have invented a new and useful Improvement in Loom-Temples, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 is a side elevation of the temple embodying my invention. Fig. 2 is a front view of a portion thereof. Fig. 3 is a plan view of a portion. Fig. 4 is a section of the temple on line *xx*, Fig. 2. Figs. 5 and 6 are views of the roller detached.

Similar letters of reference indicate corresponding parts in the several figures.

My invention consists of a trough and a cap, each having a slotted arm, whereby said trough and cap may be adjusted on the temple spindle or bar by means of a bolt common to both.

My invention also consists of a skeleton clamp, which is adjustably connected to the temple-frame.

Referring to the drawings, A represents the spindle of a loom-temple, and B a trough which is attached to the spindle by means of a bolt, C, passed through a slotted arm, B', projecting from the inner end of the trough. This trough supports the journals or gudgeons of the temple-roller D, and has an open bottom, above which the roller is located.

E represents a cap overhanging the roller, and having at its inner end a slotted arm, E', which is matched with the arm B' of the trough.

When the parts are in position the bolt C is passed through the two slotted arms B' E' and the spindle as a common fastening.

The trough may be readily adjusted to the fabric and the cap to the roller, for which purposes the bolt C will be loosened, the adjustment made, and the bolt tightened. The provision of the mobility of the cap also permits the uncovering of the roller for purpose of cleansing the roller, spindle, &c., which operation may be assisted by the removal of the trough, if desired; but the roller may be reached through the open bottom of the trough.

I construct the roller of a cylinder with proper journals or gudgeons on its ends and a spiral groove, *a*, on its periphery. A suitable length, *b*, of flattened wire or strip of metal with a toothed edge is inserted or fitted in the groove, so that the teeth are exposed and project beyond the periphery of the cylinder. The ends of the wire or metal are firmly secured to the cylinder by proper means, and the temple-roller is then complete for attachment to its bearings.

It will be seen that the teeth extend spirally or diagonally for advantageous purposes, and the roller is effective and strong.

F represents a clamp of skeleton form, and consisting of an elbow, *a'*, from the end of the horizontal limb of which projects a downwardly-extending arm, *b'*, and from the end of the vertical limb projects a horizontally-extending arm, *c'*, said clamp being adjustably connected to the frame or supporting-plate *d* of the temple by means of screw-bolts *a''*, which are passed through slots *a'''* in the upper limb of the clamp and plate *d*. The arm *c'* has fitted to it a screw bolt or stud, G.

The clamp is more especially designed for application to breast-beams formed of metal, which are of somewhat L shape in cross-section, although it is attached to other breast-beams; and it will be seen that while the clamp is light it has the necessary strength, and the elbow with the two arms provides contact with the beam on four sides, whereby, when the bolt G is tightened, the temple will be securely connected to the beam, and it is prevented from displacement.

Although the four sides of the beam are embraced by the clamp, the skeleton form of the latter admits of the ready application of the clamp without the necessity of slipping it over the beam at the ends thereof.

I disclaim a temple-roller constructed of a cylinder with a spiral groove and teeth inserted therein.

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

1. The combination, with the spindle or bar A and roller D, of the cap E, having a slotted

arm, E', the trough B, having a slotted arm, B', and the securing-bolt C, common to both cap and trough, substantially as and for the purpose set forth.

2. The skeleton clamp F, having a slot or slots, *a'''*, in its upper limb, in combination with supporting plate or frame *d* and the

screw-bolts *a''*, substantially as and for the purpose set forth.

PHILIP P. QUACKENBOSS.

Witnesses:

JOHN A. WIEDERSHEIM,
H. E. GARSED.