

No. 817,443.

PATENTED APR. 10, 1906.

I. E. PALMER.
TEMPLE ROLL.

APPLICATION FILED DEC. 28, 1904.

Fig. 1.

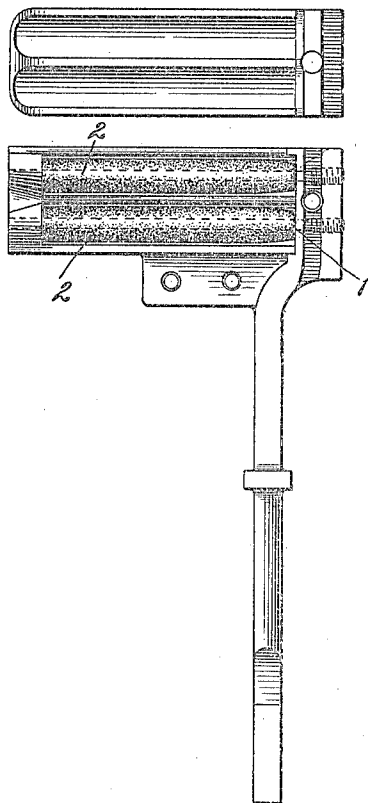


Fig. 2.

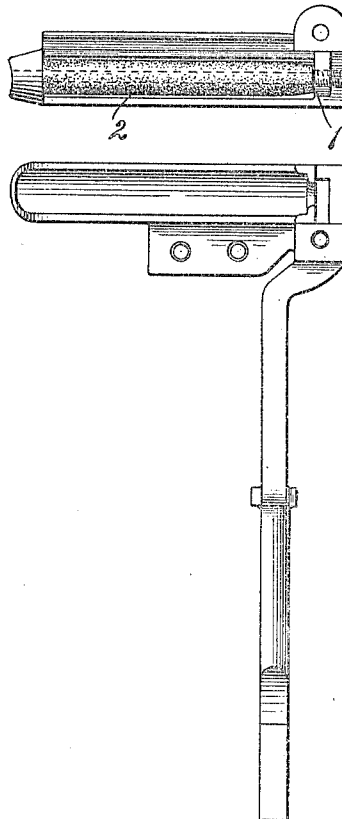
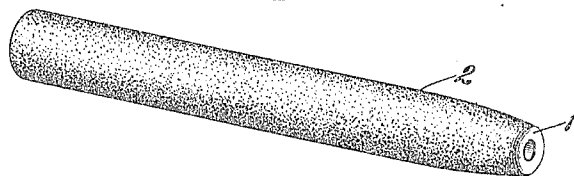


Fig. 3.



Witnesses:

F. G. Hachenberg
Henry Thieme

Inventor:

Isaac E. Palmer
By Brown & Seward
his Attorneys

UNITED STATES PATENT OFFICE.

ISAAC E. PALMER, OF MIDDLETOWN, CONNECTICUT.

TEMPLE-ROLL.

No. 817,443.

Specification of Letters Patent.

Patented April 10, 1906.

Application filed December 28, 1904. Serial No. 238,630.

To all whom it may concern:

Be it known that I, ISAAC E. PALMER, a citizen of the United States, and a resident of Middletown, in the county of Middlesex and State of Connecticut, have invented a new and useful Temple-Roll, of which the following is a specification.

My invention relates to temple-rolls, with the object in view of providing a roll which shall engage the fabric with a frictional surface grip as distinguished from a puncturing grip, which has heretofore been common.

In handling delicate fabrics, particularly those in which the meshes are open, as in mosquito-netting and the like, the pins or sharp points on the temple-rolls have a tendency to draw the meshes of the fabric out of shape, opening spaces which are abnormally great, and so interfering with the regularity of mesh.

My present invention is intended to overcome this objectionable feature; and it consists, broadly, in providing the roll with a friction-surface—for example, a surface composed of emery or sand or some other suitable finely-communited material—which shall serve to grip the cloth by pressing the warp and weft threads together rather than by passing through the fabric at intervals, and so tending to destroy it.

In the accompanying drawings, Figure 1 is a view of a temple-roll holder with its cap removed, showing two rolls in position therein. Fig. 2 is a similar view showing a holder adapted for retaining a single roll, the roll being shown in position therein; and Fig. 3 is a view of the temple-roll in detail.

The body of the temple-roll is denoted by

1 and its surface by 2. The surface 2 may consist of a layer of sand or emery secured to the outer side of the body 1 of the roll by some suitable adhesive material, or the roll 1, both body and surface, may consist of emery molded in a mass in the shape of the roll, or its surface may be formed by simply applying a sheet of sandpaper to the outside of the roll, my invention consisting not in the particular way in which the exterior surface of the roll is produced, but in the roll provided with a frictional surface as distinguished from a surface provided with spurs or pins or sharp points.

In use the fabric as it comes in contact with the surface of the roll will be held securely against slipping, but will be pressed upon throughout the extent of the roll, and its warp and weft threads where they cross each other will be prevented from slipping in relation to one another under the strain exerted by the roll, so that the fabric will emerge from its contact with the roll or rolls without showing any distortion or disarrangement of its threads.

What I claim is—

A temple-roll having a gripping friction-surface for pressing against the fabric as distinguished from a surface provided with spurs or points for piercing the fabric.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 22d day of December, 1904.

ISAAC E. PALMER.

Witnesses:

CHAS. M. SAUER,
PAUL S. CARRIER.