

No. 846,503.

PATENTED MAR. 12, 1907.

C. PALMER.
POST MAUL.

APPLICATION FILED JAN. 15, 1906.

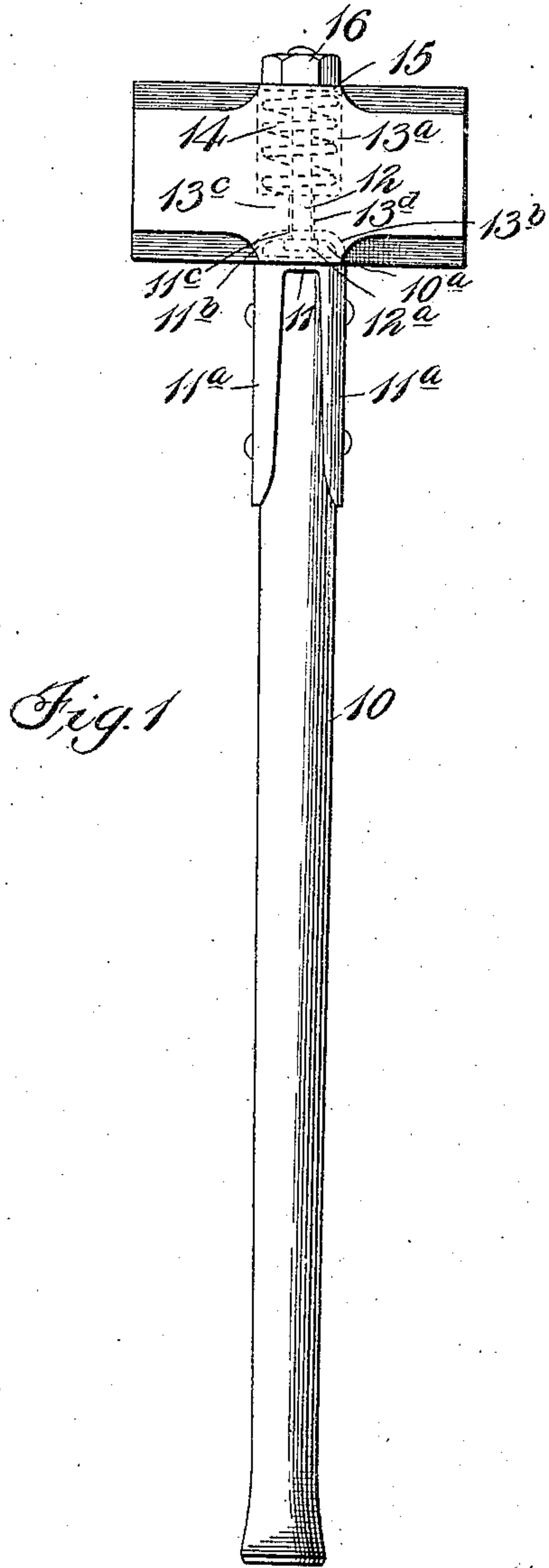


Fig. 1

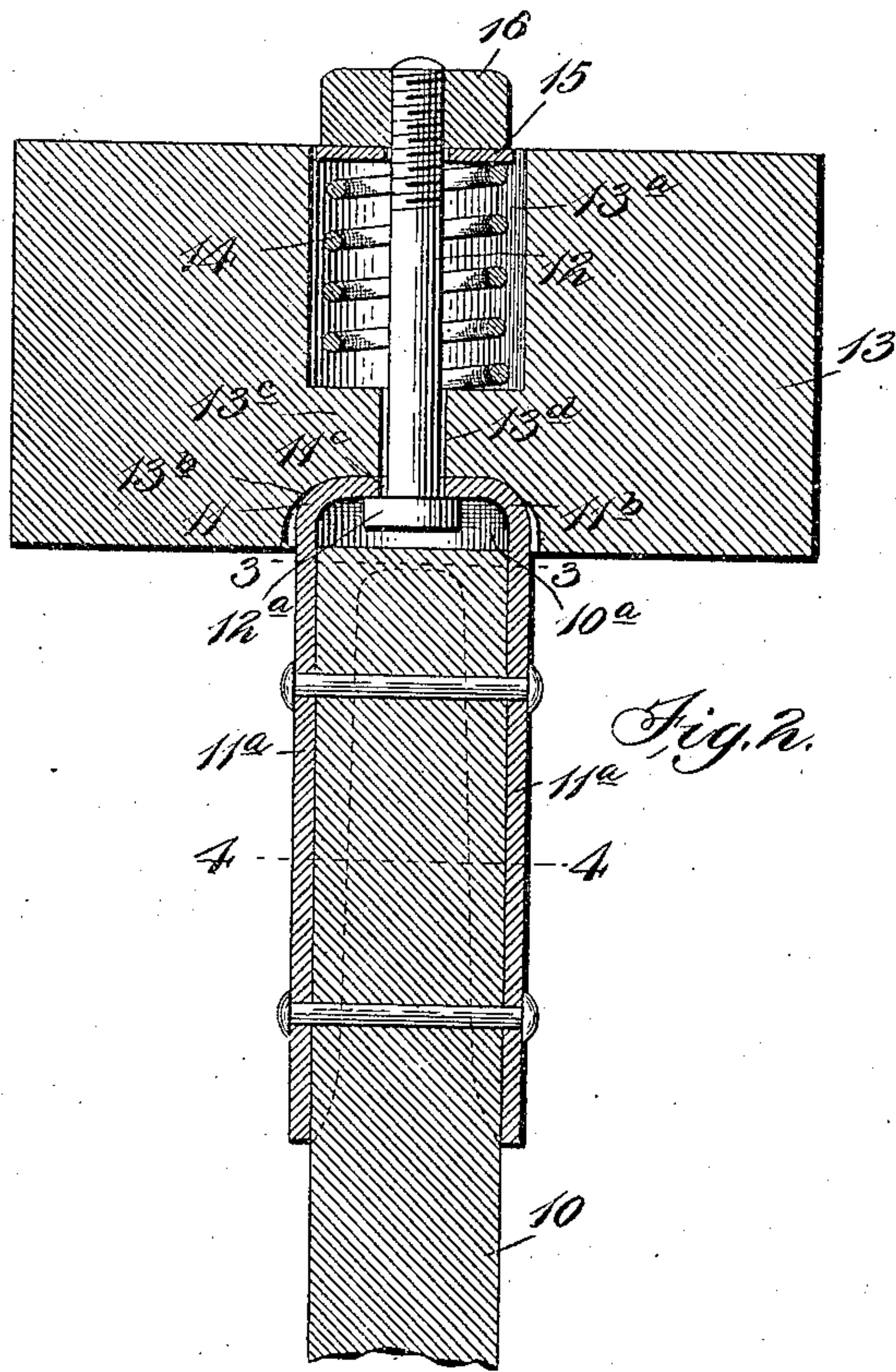


Fig. 2

Fig. 3.

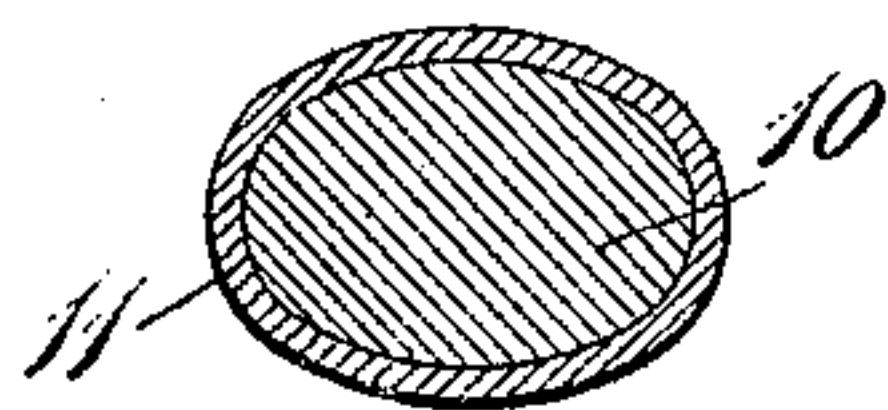
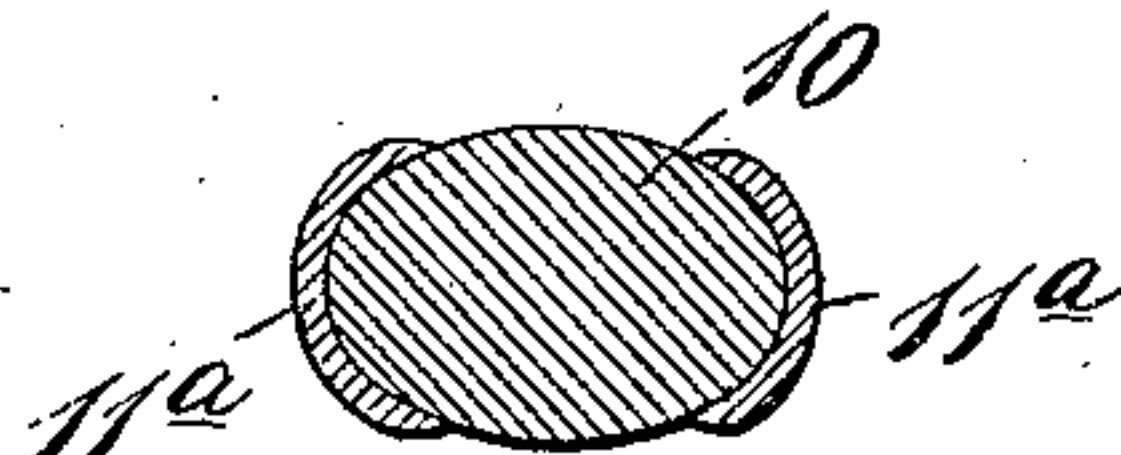


Fig. 4.



Witnesses
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CHARLES PALMER, OF HARVARD, ILLINOIS.

POST-MAUL.

No. 846,503.

Specification of Letters Patent.

Patented March 12, 1907.

Application filed January 15, 1906. Serial No. 296,159.

To all whom it may concern:

Be it known that I, CHARLES PALMER, a citizen of the United States, residing at Harvard, in the county of McHenry and State of Illinois, have invented new and useful Improvements in Post-Mauls, of which the following is a specification.

This invention is applicable to post-mauls, sledge-hammers, mallets, and the like for the purpose of taking up the jar that is usually carried from the head to the handle when striking with such maul or mallet.

In the accompanying drawings, Figure 1 is an elevation of the post-maul. Fig. 2 is an enlarged vertical section of the same. Figs. 3 and 4 are sections of the handle on the lines 3 3 and 4 4, respectively.

Referring specifically to the drawings, 10 refers to the handle, which has a cap-piece 11, provided with clips 11^a, between which the end of the handle is bolted. The top of this cap-piece is convex or slightly rounded, as at 11^b, and has a central hole 11^c. Between the top of the cap-piece and the end of the wooden part of the handle is a space 10^a.

12 is a bolt which extends through the hole in the cap-piece and is held in place by its head 12^a in the space 10^a.

The maul-head 13 has a central or axial bore 13^a on the outer side thereof and an oval aperture 13^b on the inner side thereof in which the end of the handle loosely fits, and the partition 13^c, between the said outer and inner recesses, has a central hole 13^d, through which the bolt 12 extends.

14 is a coiled spring seated in the bore 13^a. 15 is a washer upon the spring, and 16 an adjusting-nut outside the washer on the bolt 12.

The spring and the arrangement of the cap-piece on the handle and the bolt allow the head to oscillate to some extent when a blow is struck and takes up the jar that is usually communicated from the head to the handle when the tool is used.

I claim—

1. The combination with a handle, of a bolt connected to the end thereof, and free to vibrate or oscillate laterally to a limited extent and a head mounted upon the bolt.

2. The combination with a handle, of a head, a bolt connecting the head and handle, and having limited lateral vibration with respect to the handle and a spring between the bolt and the head.

3. The combination with a handle having a cap on the end thereof, of a bolt the head of which is held loosely under the cap and the body of which projects therefrom, a striking-head mounted on the projecting part of the bolt, and a spring between the bolt and the striking-head.

4. The combination with a handle having a projecting bolt loosely connected to the end thereof, of a head through which the bolt extends, having a recess surrounding the bolt, and a spring coiled around the bolt in the recess, in compression between the head and a nut on the bolt.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CHARLES PALMER.

Witnesses:

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