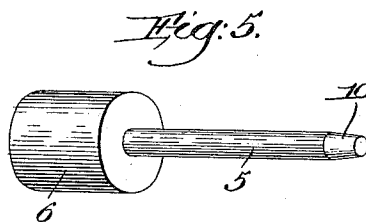
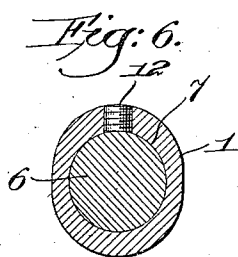
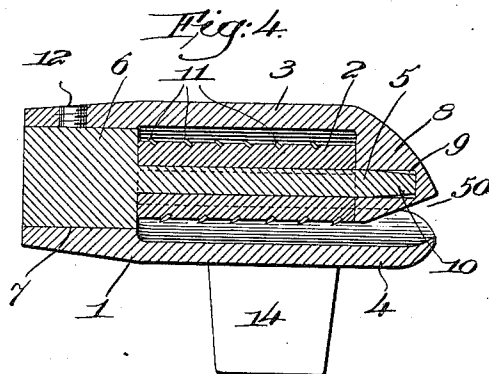
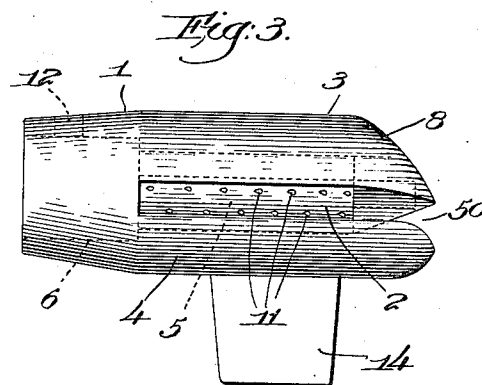
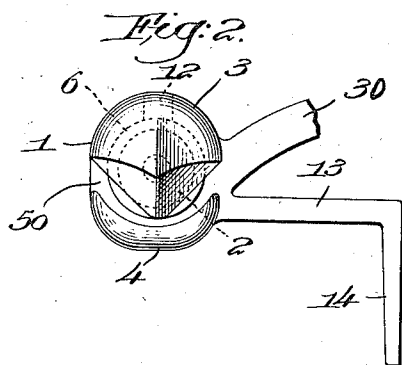
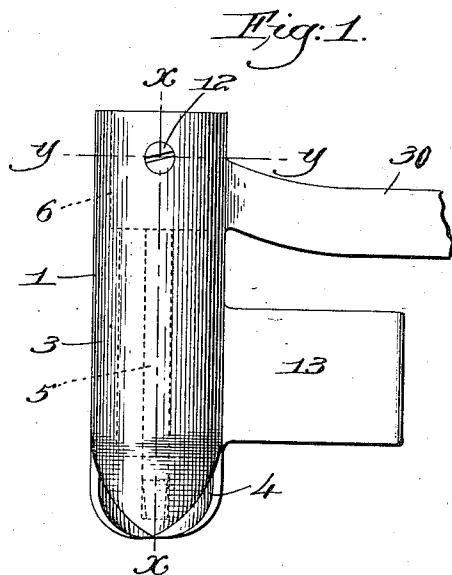


G. M. FOSTER.
 LOOM TEMPLE.
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1,013,543.

Patented Jan. 2, 1912.



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UNITED STATES PATENT OFFICE.

GEORGE M. FOSTER, OF MANCHESTER, NEW HAMPSHIRE.

LOOM-TEMPLE.

1,013,543.

Specification of Letters Patent.

Patented Jan. 2, 1912.

Application filed June 12, 1911. Serial No. 632,567.

To all whom it may concern:

Be it known that I, GEORGE M. FOSTER, a citizen of the United States, residing at Manchester, county of Hillsboro, State of New Hampshire, have invented an Improvement in Loom-Temples, of which the following description, in connection with the accompanying drawing, is a specification, like characters on the drawing representing like parts.

This invention relates to loom temples and has for its object to provide a novel construction of loom temple in which the bur is so supported that it cannot be thrown out of alinement sufficiently to cause the teeth thereon to be forced against the pod or shell thereby bending or crushing them, and to provide a construction in which the pod is one integral piece, and which has other advantages and novel features, all as will be more fully hereinafter described in the specification and set forth in the appended claims.

Referring to the drawings wherein I have shown an embodiment of my invention, Figure 1 is a top plan view of a temple made in accordance with the invention; Fig. 2 is an end view thereof; Fig. 3 is a side view; Fig. 4 is a section on the line $x-x$, Fig. 1; Fig. 5 is a perspective view of the bur-supporting member; Fig. 6 is a section on the line $y-y$, Fig. 1.

The temple herein shown comprises a shell or pod 1 which receives the usual rotatable bur 2 and which is carried by a shank or stem 30 in usual manner. In many temples the bur is supported on a spindle which is secured to the pod or shell in such a way that the working of the loom is likely to loosen the fastening with the result that the bur will be thrown against the interior of the pod or shell, thus causing some of the teeth thereon to be crushed down or bent over. When this happens the imperfect teeth are very apt to catch in the cloth and to leave defects therein. It is important, therefore, that the bur should be so supported that it cannot be thrown out of proper position, and one of the objects of my invention is to provide a novel support for the bur which accomplishes this object.

The pod or shell is provided with the upper half 3 and the lower half 4 between which the bur 2 is supported in usual manner, said halves being separated at one end, as at 50, to form the throat through which

the edge of the cloth is inserted, this being a familiar construction in temples. In my improvement, however, the top and bottom halves 3 and 4 of the temple are made as parts of one integral casting, that is, the entire pod or shell is made in one piece instead of being formed in two pieces connected together as is customary. The bur 2 which may have any usual construction is rotatably mounted on a spindle 5 which has integral therewith at one end a head 6 that is of larger diameter than the bur. The end of the pod 1 is provided with a bore 7 of a size to receive the head 6, and this bore and the head are long enough so that when the head is received in the bore, as shown in Fig. 4, a firm support will be afforded for the spindle 5. The end 8 of the upper half 3 is provided with a socket 9 in which the end 10 of the spindle is received, as clearly seen in Fig. 4. Since the pod or shell is made as one integral piece and since the spindle is sustained at one end in the recess 9 and has integral therewith at the other end the head 6 which is rigidly supported in the bore 7, it will be obvious that the spindle 5 will be fixedly held in position and cannot be thrown out of its proper position by any use to which the temple may be put. The bur, therefore, cannot by any possibility be forced against the interior of the pod thereby to crush or bend over the teeth 11 thereon. The head 6 of the spindle is held in place by a suitable set screw 12. To remove the bur it is simply necessary to loosen the set screw 12 when the head 6 and spindle 5 with the bur thereon can be readily withdrawn through the aperture 7. The pod 3 has associated therewith the bracket or arm 13 having the downwardly-extending finger 14 with which the lay has contact during the operation of weaving as usual in temples. This finger 14 is usually detachably secured to the temple by means of a screw or bolt, and as a result the continued striking of the lay against it is very apt to loosen the connection so that the lay does not give the temple the proper movement. In my improvement I have made the bracket 13 and finger 14 integral with the pod of the temple so as to avoid all possibility of the finger 14 becoming loosened or improperly adjusted.

It will be seen from the above that my construction is very simple and yet is effective for securing the objects enumerated.

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

1. In a temple, the combination with a
5 pod or shell having a bur-receiving chamber which is open at one end of the pod to form a throat to receive the cloth, said pod having an opening or bore 7 at the opposite end of said chamber and a recess at the other end
10 of said chamber, of a spindle for the bur provided with an integral head portion adapted to fit said bore, the end of the spindle being arranged to be received in said recess, and a bur loosely mounted on said
15 spindle and having a diameter less than the bore.

2. In a temple, the combination with a pod or shell made of one piece and provided with a bur-receiving chamber and a throat
20 at one end of the pod leading to the chamber, said pod having an opening through the other end leading to said chamber, of a bur-supporting spindle having integral therewith a head portion which is received in and
25 fits said opening, and a bur mounted on said

spindle, said bur being of less diameter than the opening whereby the bur and spindle may be removed through said opening.

3. In a temple, the combination with a pod or shell divided through one end to
30 form separate upper and lower halves, with a cloth-receiving throat between said halves at said end, said pod being provided with a bur-receiving chamber and having a bore or opening 7 leading from said chamber
35 through the end thereof opposite the throat-
ed end, and a recess at the upper half of the throat-
ed end, of a bur-receiving spindle having one end received in said recess and
40 having at the other end a head portion adapted to fit said bore, and a bur loosely
mounted in said recess and having a diameter less than the bore or opening.

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

GEORGE M. FOSTER.

Witnesses:

LOUIS C. SMITH,

THOMAS J. DRUMMOND.

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