

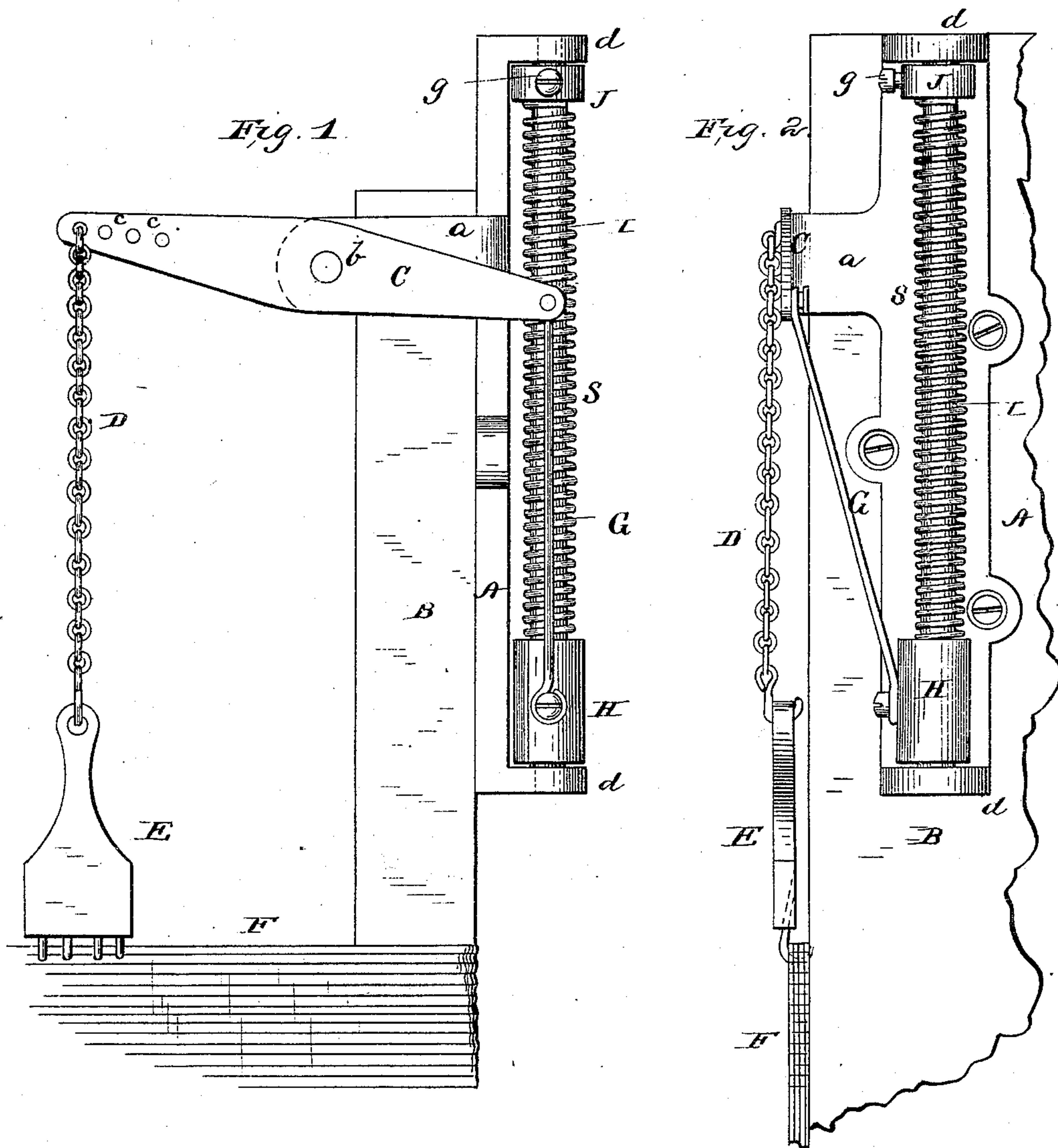
(Model.)

W. H. NOBLE.

LOOM TEMPLE.

No. 257,057.

Patented Apr. 25, 1882.



Witnesses.  
Edwin L. Jewell.  
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# UNITED STATES PATENT OFFICE.

WILLIAM H. NOBLE, OF PITTSFIELD, MASSACHUSETTS.

## LOOM-TEMPLE.

SPECIFICATION forming part of Letters Patent No. 257,057, dated April 25, 1882.

Application filed December 1, 1881. (Model.)

*To all whom it may concern:*

Be it known that I, WILLIAM H. NOBLE, of  
Pittsfield, in the county of Berkshire, and in  
the State of Massachusetts, have invented cer-  
tain new and useful Improvements in Loom-  
Temples; and I do hereby declare that the fol-  
lowing is a full, clear, and exact description  
thereof, reference being had to the accompany-  
ing drawings, and to the letters of reference  
marked thereon, making a part of this speci-  
fication.

This invention relates to temples which are  
designed for keeping the cloth tight and under  
elastic tension during the operation of weav-  
ing; and it consists in a loom-temple in which  
a lever, to which the cloth-claw is attached by  
means of a chain, is connected by means of a  
rod to a sliding head applied on a rod fixed  
between two ears of the temple-plate and acted  
on by a spring the tension of which can be ad-  
justed, as will be hereinafter explained.

In the annexed drawings, Figure 1 is a top  
view of one of my improved temples, showing  
its claw grasping the edge of a piece of cloth.  
Fig. 2 is a front elevation of the temple.

The letter A designates a plate or bracket,  
which is adapted for being secured to the breast-  
beam B of a loom, so that a bearing-extension,  
a, will lie on the top of this beam and afford a  
support for the lever C, which has its fulcrum  
at b.

To one or the other of several holes, c,  
through the forward arm of lever C, a chain,  
D, is hooked, to which chain a claw, E, is at-  
tached, preferably made of leather, having  
pointed hooks fixed into its edge for grabbing

the cloth F. The rear end of the lever C is  
connected by a rod, G, to a head, H, which is  
free to slide on a rod, I, which is rigidly se-  
cured to two ears, d d, formed on the plate A. 40  
Between the sliding head H and an adjustable  
back-stop, J, a spring, S, is coiled around the  
rod I, which acts by expansion to draw the  
cloth tight. This spring, it will be seen, acts  
on the cloth through the medium of the claw, 45  
its chain, the lever, and the rod and sliding  
head above described.

The back-stop J is provided with a binding  
set-screw, g, by loosening which the spring S  
can be compressed to any desired degree, and 50  
by setting the said screw tightly against the  
rod I the spring will be so held.

It will be seen that the tension of the spring  
can be adjusted as may be desired for different  
fabrics and to compensate for any weakening 55  
of the spring.

What I claim as my invention is—

The combination, with the plate A, the rod  
I, rigid with this plate, the spring, the sliding  
head H, and the adjustable back-stop J, pro- 60  
vided with a set-screw, g, of the rod G, the le-  
ver C, and the claw E, connected by a chain  
to said lever, substantially as and for the pur-  
poses described.

In testimony whereof I affix my signature, in 65  
presence of two witnesses, this 14th day of No-  
vember, 1881.

WILLIAM H. NOBLE.

Witnesses:

HENRY W. POWERS,  
ROBERT NEUBER.