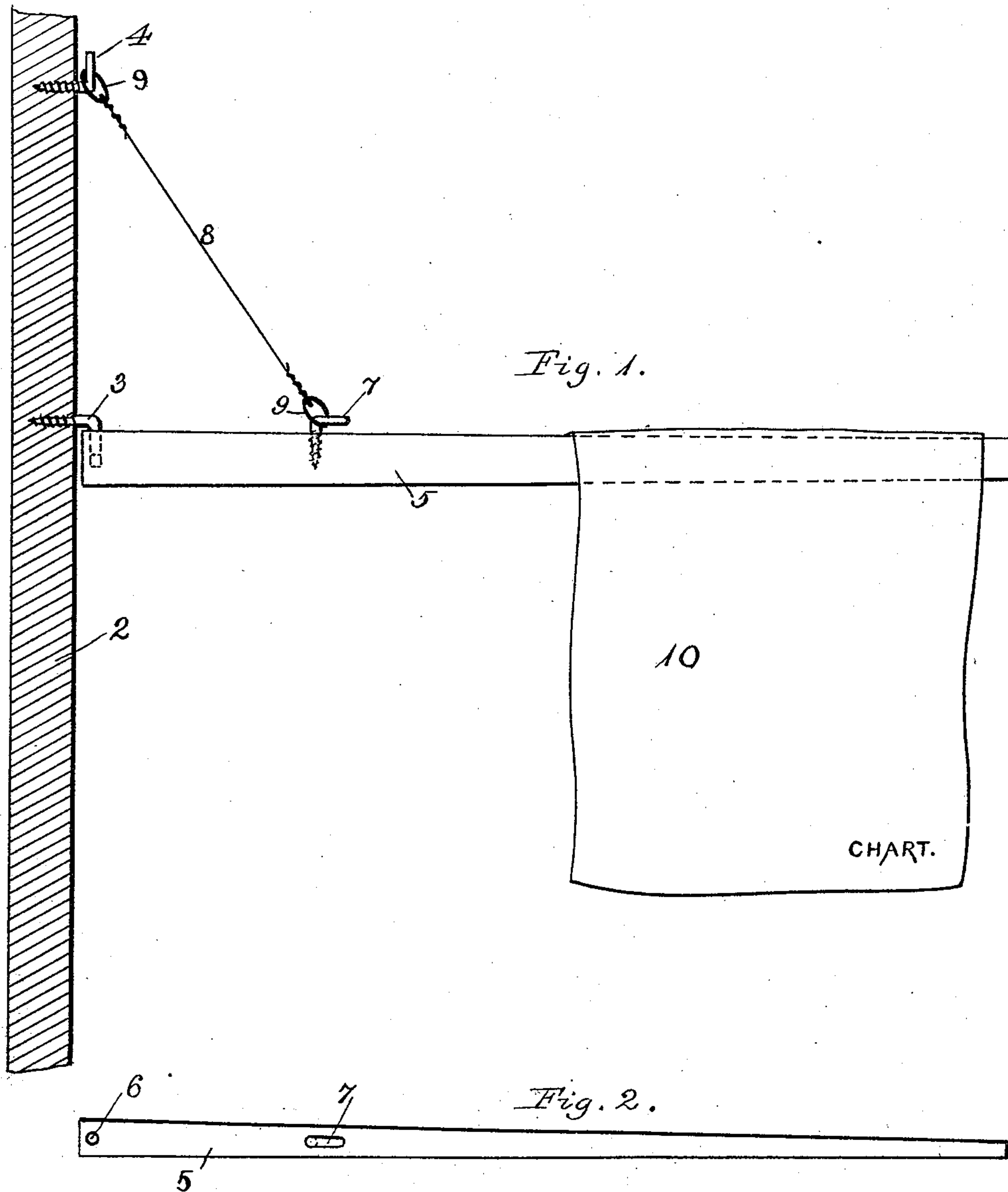


(No Model.)

C. H. CONGDON.  
CHART HOLDER.

No. 450,284.

Patented Apr. 14, 1891.



WITNESSES.  
Willard B. Roberts  
A. Mae Welch

INVENTOR.  
Charles H. Congdon.  
by Paul & Murvin  
Attorneys.

# UNITED STATES PATENT OFFICE.

CHARLES H. CONGDON, OF ST. PAUL, MINNESOTA.

## CHART-HOLDER.

SPECIFICATION forming part of Letters Patent No. 450,284, dated April 14, 1891.

Application filed February 24, 1890. Serial No. 341,444. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES H. CONGDON, of St. Paul, Ramsey county, Minnesota, have invented certain Improvements in Chart-Holders, of which the following is a specification.

My invention relates to improvements adapted to be attached to the wall of a school or lecture room for holding illustrative charts, maps, or other similar articles; and it consists in providing an improved device detachably secured to the wall and hinged or pivoted thereto, so as to be readily turned in its supports and moved from place to place at will.

My invention further consists in the construction and combination herein described, and particularly pointed out in the claims.

In the accompanying drawings, forming part of this specification, Figure 1 is a side elevation of my improved device supported on the wall, showing the means for attaching the same thereto; and Fig. 2 is a detail.

In the drawings, 2 represents the wall of the room in which is secured at a convenient elevation a right-angle screw-hook 3, with the point of the hook turned downward. Directly above this hook is secured a screw-hook 4, with its point extending upward.

5 is the chart-holder, consisting of a straight strip or arm of wood of any desired size or length suited to the purposes for which it is designed, and provided at one end with the socket 6, arranged in its upper edge in size and positions adapted to be slipped upward onto the hook 3 and turned laterally thereon. Arranged in the same edge of the strip is a screw-hook 7 at approximately the same distance from the hook 3 as the hook 4, and consequently nearer the inner than the outer end of the strip. A light rod or wire 8, fitted with eyes or rings 9 at either end, is adapted to be attached to the hooks 4 and 7, so as to support the strip when engaged by the hook 3, the length of the wire 8 being such as to hold the strip horizontal. The overbalancing weight of the projecting end of the strip together with its load serves to

hold the inner end in engagement with the hook 3, while the device is readily and instantly detachable from the supports by simply unhooking the wire 8 from the hook 4, when the strip will of its own weight disengage itself from the hook 3; but when secured in position, as shown, it cannot of itself become detached, being held the more firmly the greater the weight placed upon it. Upon the projecting arm of the strip are placed the charts or maps 10, being hung over the strip. When it is necessary to turn the leaves of the chart, the holder is swung out from the wall and the leaf is turned forward or backward over the holder, which is then swung back against the wall in position for convenient use and out of the way.

The construction of the device makes it inexpensive, easy to handle and transport, and capable of being easily attached to or detached from its supports and removed from place to place.

I claim—

1. In a chart-holder, the combination of a depending pivot-pin, an arm socketed on its upper face at one end to receive said pin, and a suspending device attached to a fixed support above said pivot-pin and hooked to said arm at a point intermediate of the center of the arm and said socket, substantially as and for the purposes set forth.

2. In a chart-holder, the combination of a depending pivot-pin, an arm socketed in its upper face at one end to receive said pin, a flexible suspending device connecting said arm at a point intermediate of its center, and the pivot-pin with a fixed support above said pivot-pin, said connection being a hook and eye, substantially as and for the purposes set forth.

In testimony whereof I have hereunto set my hand this 20th day of February, 1890.

CHARLES H. CONGDON.

Witnesses:

T. D. MERWIN,  
A. MAE WELCH.