

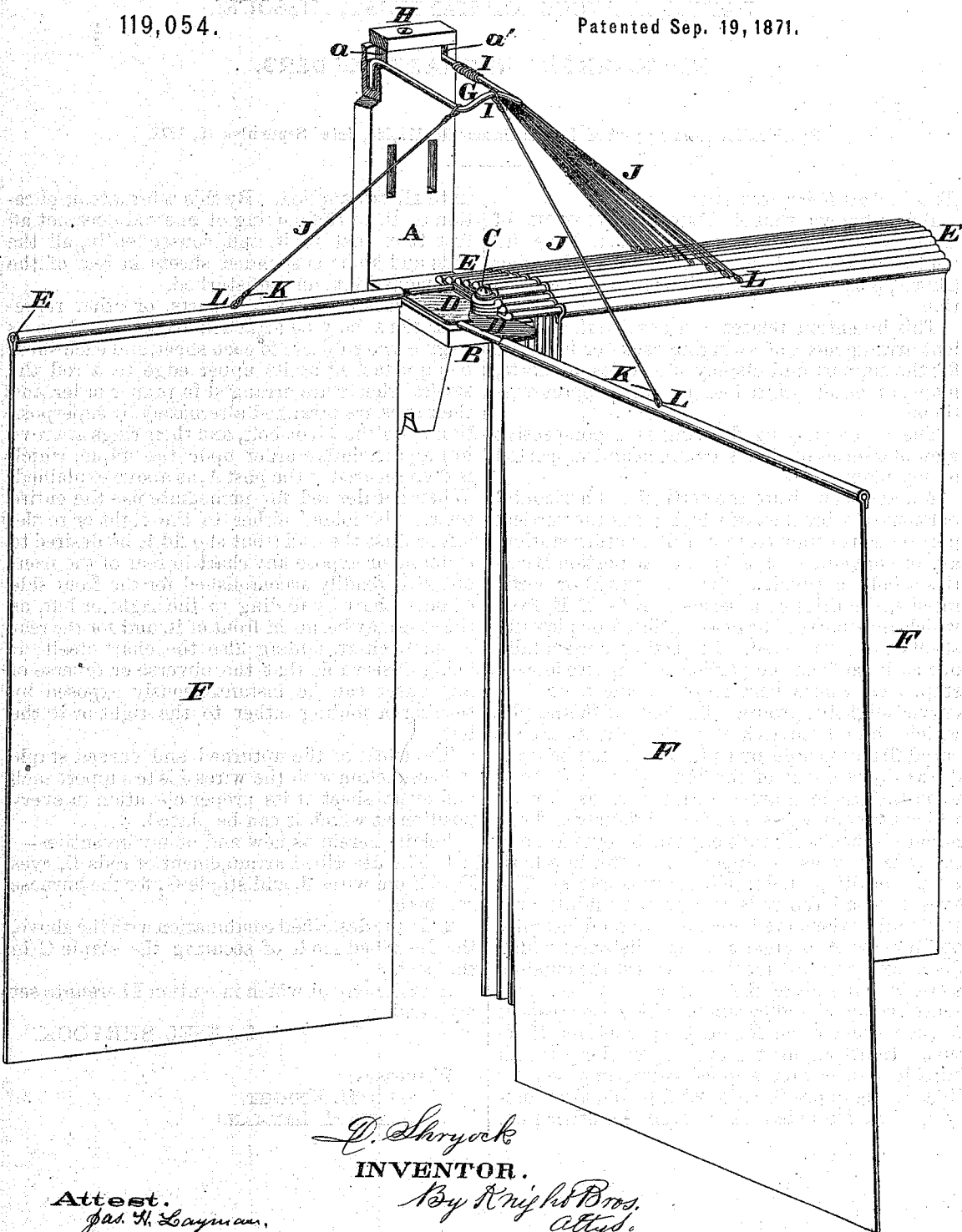
D. SHRYOCK.

[103.]

Hanging Charts &c.

119,054.

Patented Sep. 19, 1871.



D. Shryock
INVENTOR.

By Knight Bros.
attys.

Attest.

Jas. H. Layman,
John Kiloh.

UNITED STATES PATENT OFFICE.

DANIEL SHRYOCK, OF HANNIBAL, MISSOURI.

IMPROVEMENT IN CHART-HOLDERS.

Specification forming part of Letters Patent No. 119,054, dated September 19, 1871.

To all whom it may concern:

Be it known that I, DANIEL SHRYOCK, of Hannibal, Marion county, Missouri, have invented a new and useful Device for Hanging Charts, &c., of which the following is a specification:

This invention relates to a novel and convenient arrangement of swinging racks or brackets for the support and display of a series of charts, maps, or other printed or pictorial representations.

The accompanying drawing is a perspective view of a series of charts arranged and supported on my plan.

A and B constitute the vertical and horizontal portions of a bracket, of which parts the vertical portion A is attached to a wall or other stationary or convenient object; and the portion B carries a bolt or pivot, C, for the eyes D or perforated extremities of a series of rods, D E, from which the charts F or other printed or pictorial sheets are suspended. Projecting horizontally or nearly so from the portion A is a wire loop or staple, G, whose part most distant from A is curved slightly upward. The ends of this staple, which enter grooves *a a'* in the part A, are secured firmly therein by a pin, H, but can be withdrawn by removal of the pin. Strung or rove upon the staple G are a series of rings, I, from which as many wires J extend obliquely and terminate in hooks K, that engage in eyes L upon the rods E, so as to support the latter in a horizontal position under all circumstances. The eyes D of all the rods except the middle one, while all of them are horizontal, extend laterally and downward a greater or less distance, which distance is greatest for those nearest the outside, so as to bring all of the rods E into the represented compact and parallel position with respect to each other when folded back in either direction. In arranging the eyes upon the pivot an outside one is first applied—superimposed by that on the opposite side—and so on, alternately, first on one side and then on the other side,

until all are applied. By this alternate application of them the moving of one rod does not affect that next to it, and, consequently, all the rods and their suspended sheets in rear of the one moved remain undisturbed.

The sheets of music, charts, or other representations may be attached back to back so as to give two subjects to each sheet, and each sheet being attached by its upper edge to a rod the several sheets are arranged in proper order, and their eyes are arranged alternately by superposition upon the pivot-bolt, and their rings are rove in proper relative order upon the staple, which is then secured in the post A, as above explained. When not desired for immediate use the entire set may be folded either to the right or to the left against the wall; but should it be desired to examine or expose any chart in rear of the front one, it is readily accomplished for the front side of such chart by folding to the right or left, as the case may be, all in front of it, and for the rear of such chart, folding also the chart itself; it being observable that the obverse or reverse of any sheet can be instantaneously exposed by turning or folding either to the right or to the left.

The effect of the upturned and curved staple in conjunction with the wires J is to support each and every sheet at its proper elevation in every position at which it can be placed.

I claim herein as new and of my invention—

1. The described arrangement of rods E, eyes D, oblique wires J, and staple G; for the purpose set forth.

2. In the described combination with the above, the described mode of securing the staple G in the post.

In testimony of which invention I hereunto set my hand.

DANIEL SHRYOCK.

Witnesses:

GEO. H. KNIGHT,
JAMES H. LAYMAN.