

**1,027,770.**

Fig. 1.

[illegible]

COLUMBIA PLANOGRAPH CO., WASHINGTON, D. C.

# UNITED STATES PATENT OFFICE.

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## VARNISH-DRYING HOLDER FOR HEDDLES.

1,027,770.

Specification of Letters Patent.

Patented May 28, 1912.

Application filed October 19, 1909. Serial No. 523,503.

*To all whom it may concern:*

Be it known that I, EDWARD ROSENBERG, a citizen of the United States, and resident of Regents Park, London, N. W., England, have invented a new and useful Improvement in Varnish-Drying Holders for Heddles, of which the following is a specification.

The object of this invention is to provide a holder which may removably support a plurality of heddles in proper position for permitting the heddles to dry after they have been varnished.

A further object is to provide a holder of this character which may be instantly attached to and removed from engagement with the conveyer chains used for carrying the holder into and out of a varnish drying apparatus.

A practical embodiment of this invention is represented in the accompanying drawings, in which—

Figure 1 represents the holder in top plan in connection with the chains of a conveyer, portions of the holder being broken away. Fig. 2 is a detail side view partially in section of the holder, a portion of one of the conveyer chains being shown in connection therewith, and Fig. 3 is a detail end view partially in section of the holder showing it in connection with its two side conveyer chains.

The holder comprises top and bottom cross rods 1 and 2, the top rod being provided with brackets 3, 4, and the bottom rod with brackets 5, 6. The brackets 3, 5, are connected by a vertical rod 7 and the brackets 4, 6, by a vertical rod 8. The upper brackets 3, 4, are provided with horizontally arranged recessed bars 9, 10, arranged to removably support the ends of cross bars 11 over which the tops of the heddles 12 are passed. The lower brackets 5, 6, are provided with horizontally arranged side bars 13, 14, carrying a horizontal series of cross rods 15. The lower ends of the heddles 12 pass around cross bars 16 which are drawn downwardly for keeping the heddles taut, by spring tension hooks 17 carried by the cross rods 15.

The heddle holder is removably engaged with the side chains 18, 19, of the conveyer by providing the side frames with oppositely arranged socket pieces 20, 21, for receiving the ends of the top cross rod 1 of the holder.

This cross rod 1 is yieldingly held with one of its ends in a socket 22 of the socket piece 20 by a spring pressed plunger 23 in the socket piece 21, the spring 24 of which plunger is located in a recess 25 in the said socket piece 21. To release the holder, the top cross rod is moved endwise a sufficient distance to withdraw its end from the socket 22 by forcing the spring pressed plunger 23 along its recess 25 against the tension of its spring 24.

It will be seen that a holder constructed as hereinabove set forth, will removably support the heddles with their cords in a separated condition so as to permit the same to readily dry after they have been varnished. It will also be seen that the heddles may be readily applied to and removed from the holder.

What I claim is:—

1. A varnish drying holder for heddles comprising top and bottom horizontally arranged side bars, cross bars extending between the top side bars for hanging the heddles thereon and yielding means arranged above and carried by the bottom side bars for drawing the heddles taut to separate the individual heddle cords for permitting a more ready drying of the same.

2. A varnish drying holder for heddles comprising top and bottom horizontally arranged side bars, cross bars removably supported by the top side bars for hanging the heddles thereon and yielding means arranged above and carried by the bottom side bars for drawing the heddles taut to separate the individual heddle cords for permitting a more ready drying of the same.

3. A varnish drying holder for heddles comprising top and bottom horizontally arranged side bars, cross bars removably supported by the top side bars for hanging the heddles thereon, cross rods carried by the bottom side bars, cross bars carried by the heddles and spring tension hooks carried by the bottom cross rods arranged to engage the bottom heddle cross bars for drawing the heddles taut to separate the individual heddle cords for permitting a more ready drying of the same.

4. A varnish drying holder for heddles comprising top and bottom cross rods having top and bottom horizontally arranged side bars, vertical rods connecting the top and bottom cross rods, cross bars removably

supported by the top side bars for hanging  
the heddles thereon and yielding means ar-  
ranged above and carried by the bottom side  
bars for drawing the heddles taut to sepa-  
5 rate the individual heddle cords for per-  
mitting a more ready drying of the same.

In testimony, that I claim the foregoing

as my invention, I have signed my name in  
presence of two witnesses, this 15th day of  
October, 1909.

EDWARD ROSENBERG.

Witnesses:

WM. ROSENBERG,  
MAX WOLF.

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