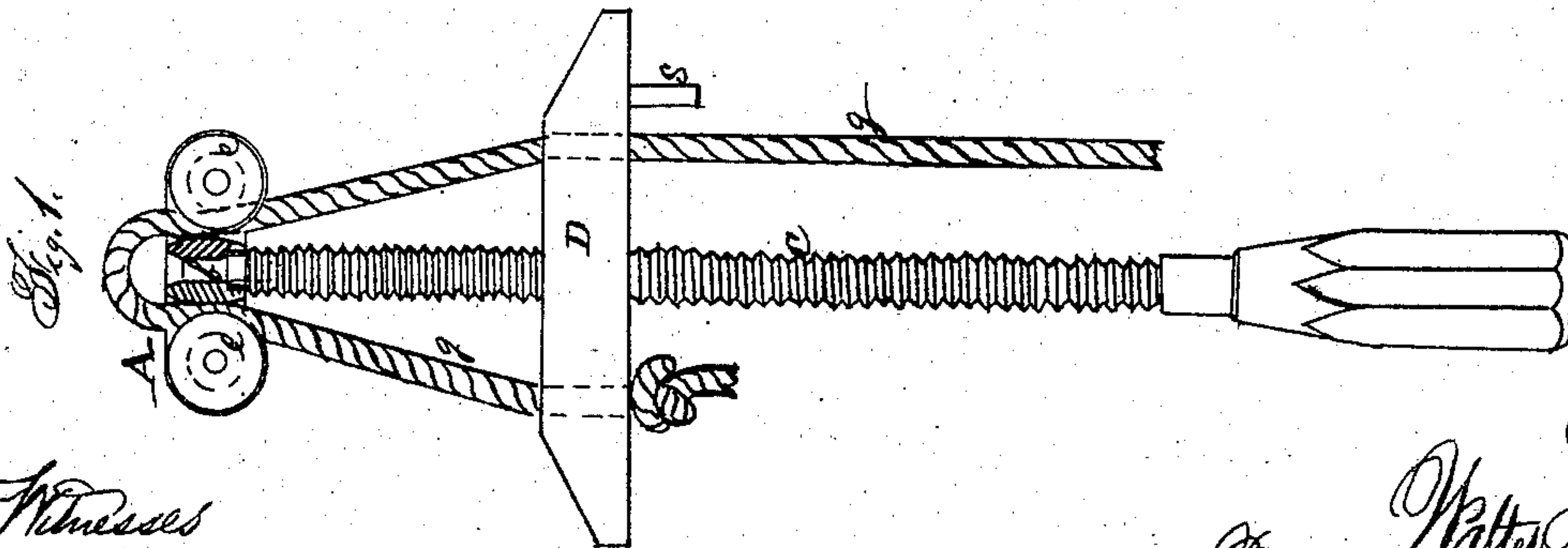
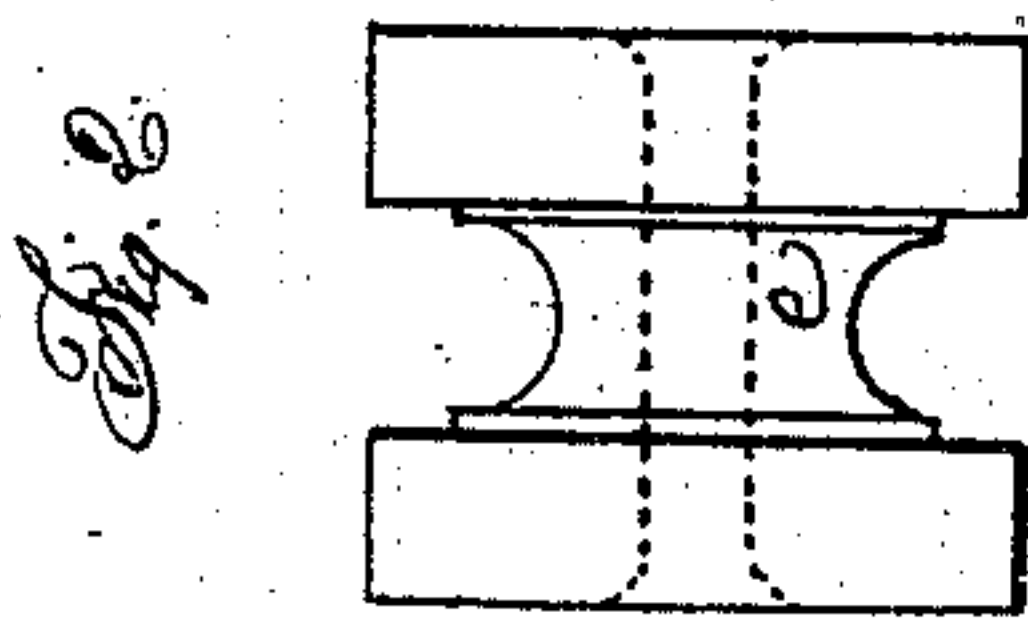
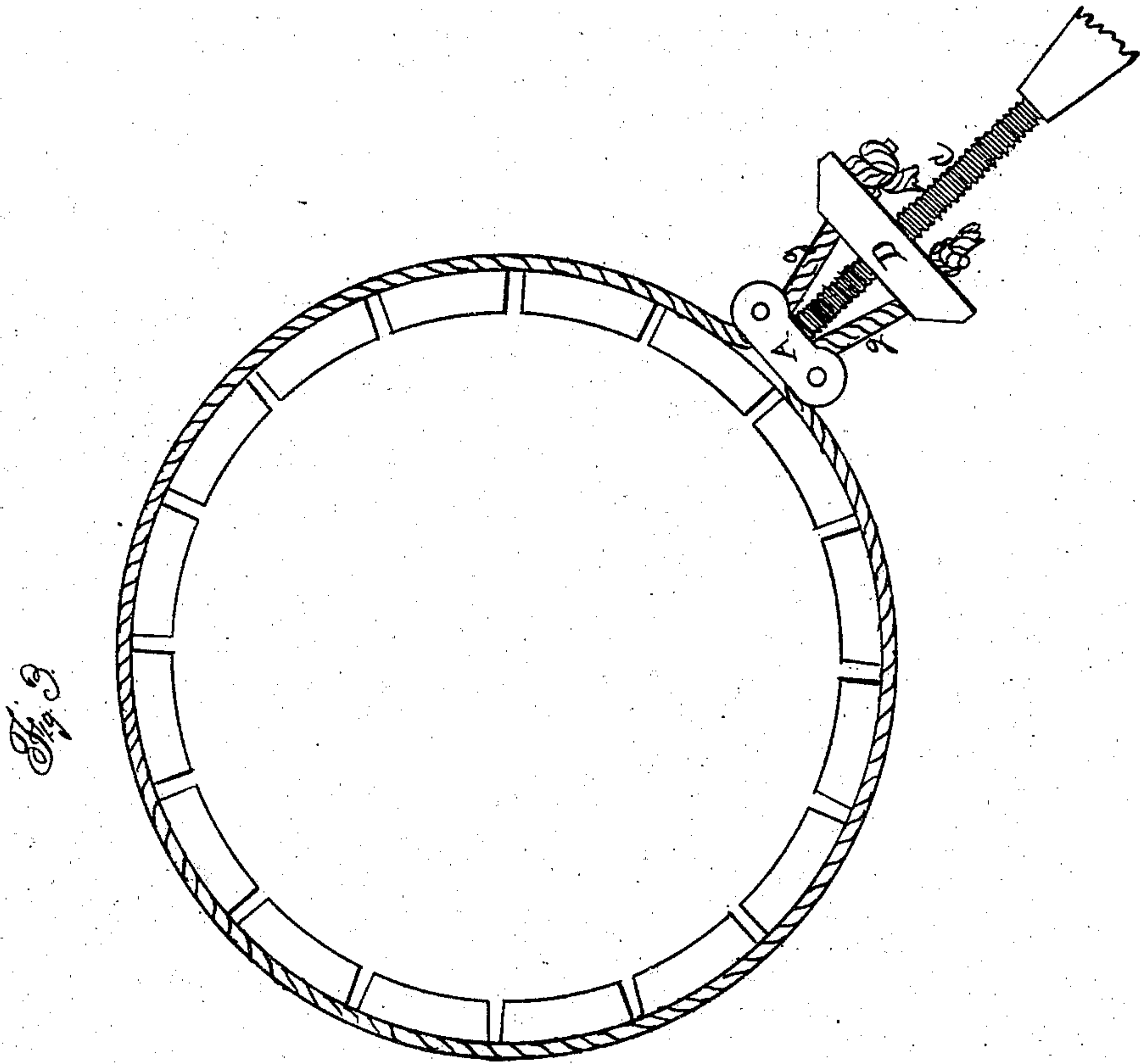


W. Shepperman.

Clamp for Trussing Cylinders of Staves.

N^o 74725

Patented Feb. 18, 1868.



Witnesses
J. A. Ellis
J. H. Minter

Inventor
Walter Shepperman
J. B. Alexander
att

United States Patent Office.

WALTER SHEPPERMAN, OF PITTSBURG, PENNSYLVANIA.

Letters Patent No. 74,725, dated February 18, 1868.

IMPROVEMENT IN CLAMPS FOR TRUSSING CYLINDERS OF STAVES.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, WALTER SHEPPERMAN, of Pittsburg, in the county of Allegheny, and State of Pennsylvania, have invented certain new and useful Improvements in Screw-Clamps; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon; which form a part of this specification, in which—

Figure 1 is a plan of my screw-clamp, with one side of the head removed.

Figure 2, a view of one of the pulleys; and

Figure 3 is a view illustrative of the operation of the clamp.

The nature of this invention consists in the employment of a cross-head, provided with friction-rollers, arranged in combination with cord, screw, and block, substantially as hereinafter set forth.

To enable others skilled in the art to make and use my invention, I will now describe its construction and operation.

A represents the cross-head, formed as seen in fig. 1. Through the cross-head A is inserted the screw *b*, which penetrates half an inch, more or less, in the main screw C, and thus works on a thread cut to receive it. The neck of screw *b* is made smooth, so that it will turn easily in cross-head A. The cross-head A is furnished with the two friction-rollers *e*, the object of which will be hereinafter explained. D designates a screw-block, which may be made of any suitable shape. The block D is screwed on before the cross-head is secured in position. Near one end of screw-block D is inserted the pin S, in a position parallel with main screw C. The same block D has two perforations, also parallel with said main screw C. *g* represents a cord, which passes over the top of cross-head A and the two rollers *e*. Each end of said cord is then passed through its respective perforations in screw-block D, and the pendent ends left sufficiently long to answer the purpose to which the clamp is to be applied. The main screw C will be furnished with a handle, that will admit of being firmly grasped.

The operation of my invention is illustrated by fig. 3, in which a series of felloes are to be clamped together. The said felloes are arranged on the former, in the position represented in the drawing. The cord *g* will then be passed around them, with the cross-head A as near to them as the cord will allow it to come, one end of the cord having been knotted, as represented in fig. 1, and the other end secured to the pin *d*. The ends of the cord being thus secured, screw C is then turned, until the tension of the cord *g* is sufficiently great to close the joints between the parts thus clamped.

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

The cross-head A, provided with rollers *e e*, in combination with screw C, block D, and cord *g*, substantially in the manner herein set forth and described.

In testimony that I claim the foregoing as my own, I affix my signature in presence of two witnesses.

WALTER SHEPPERMAN.

Witnesses:

S. S. BURNS,

G. H. MATZEL.