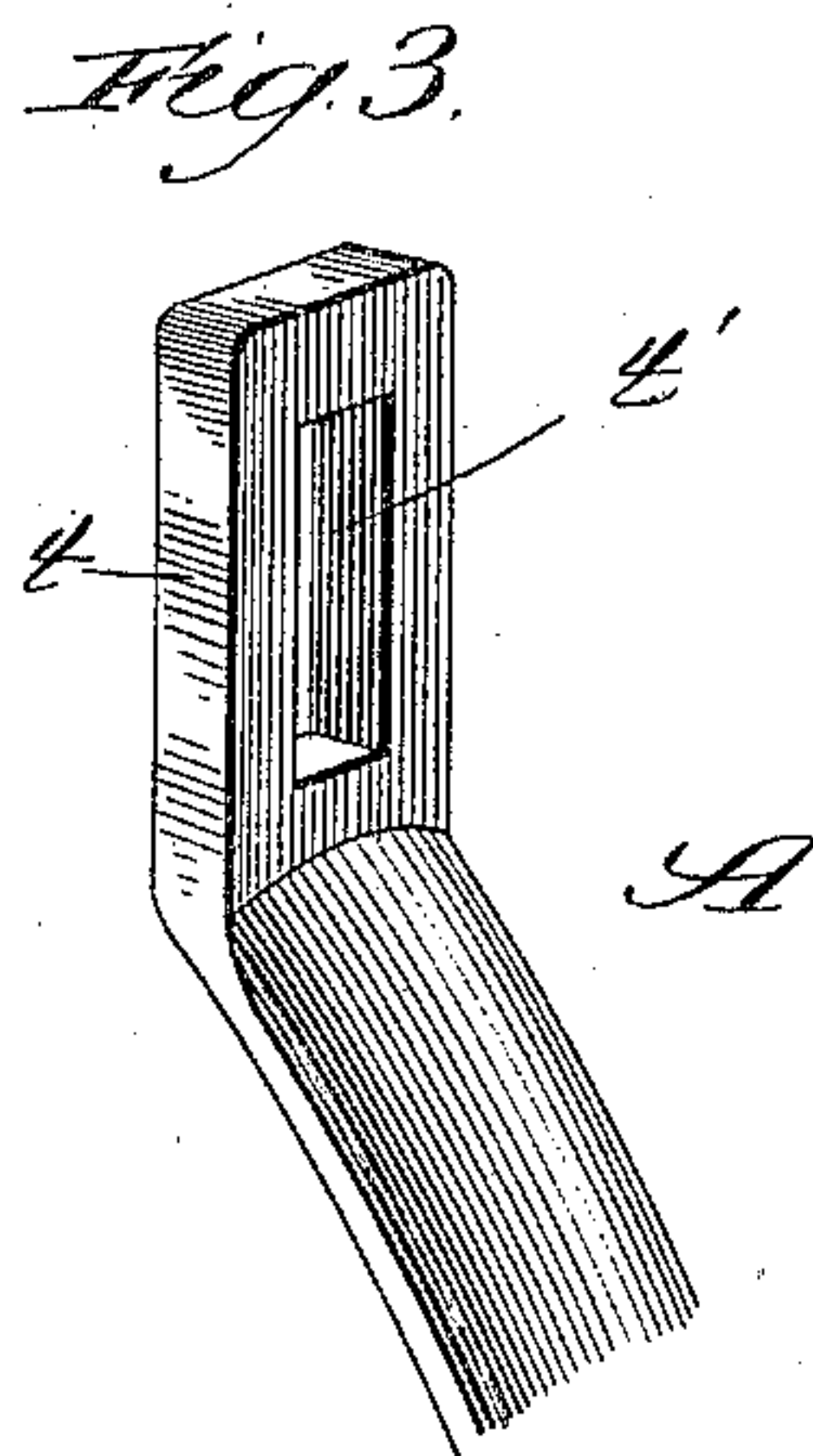
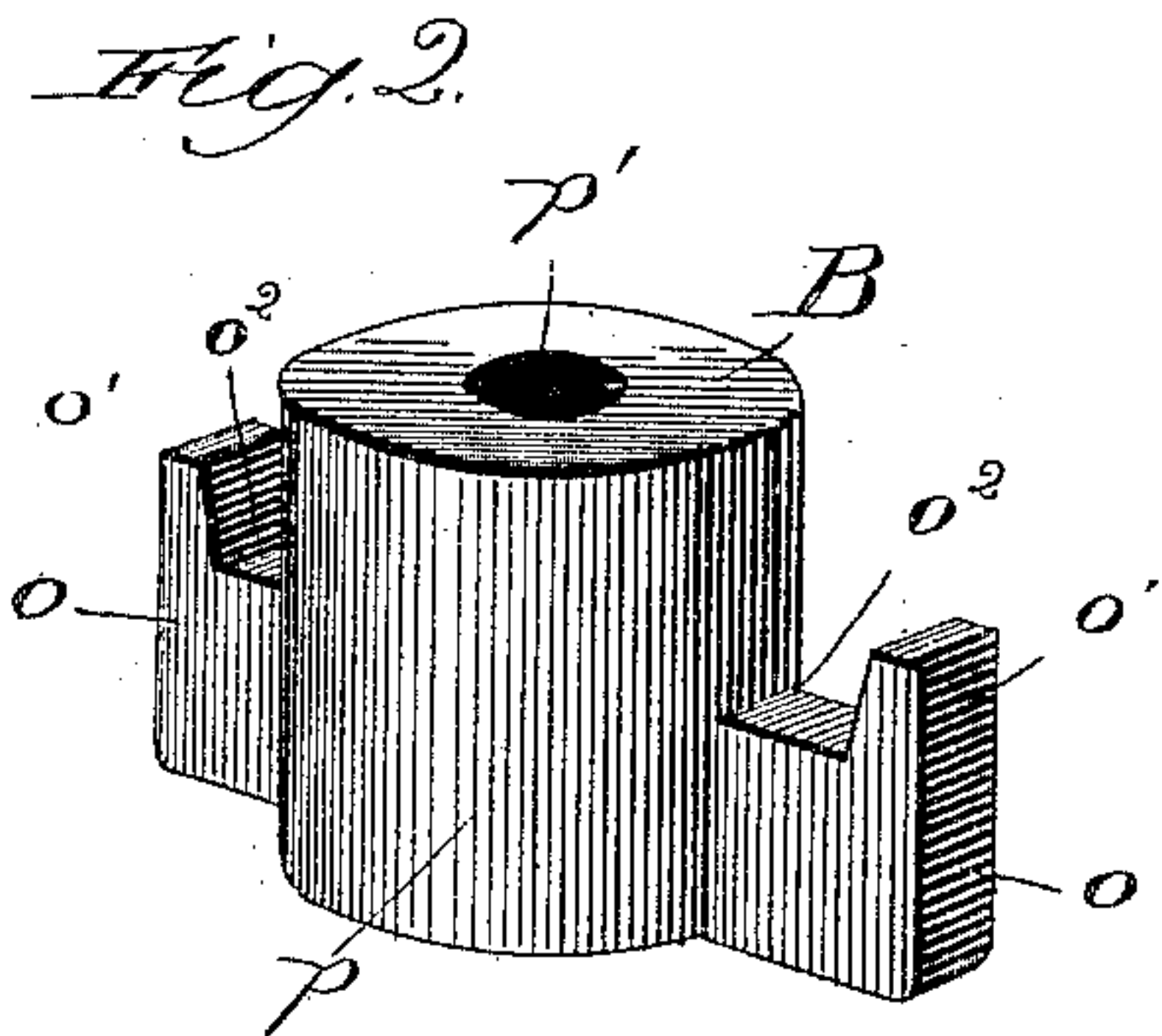
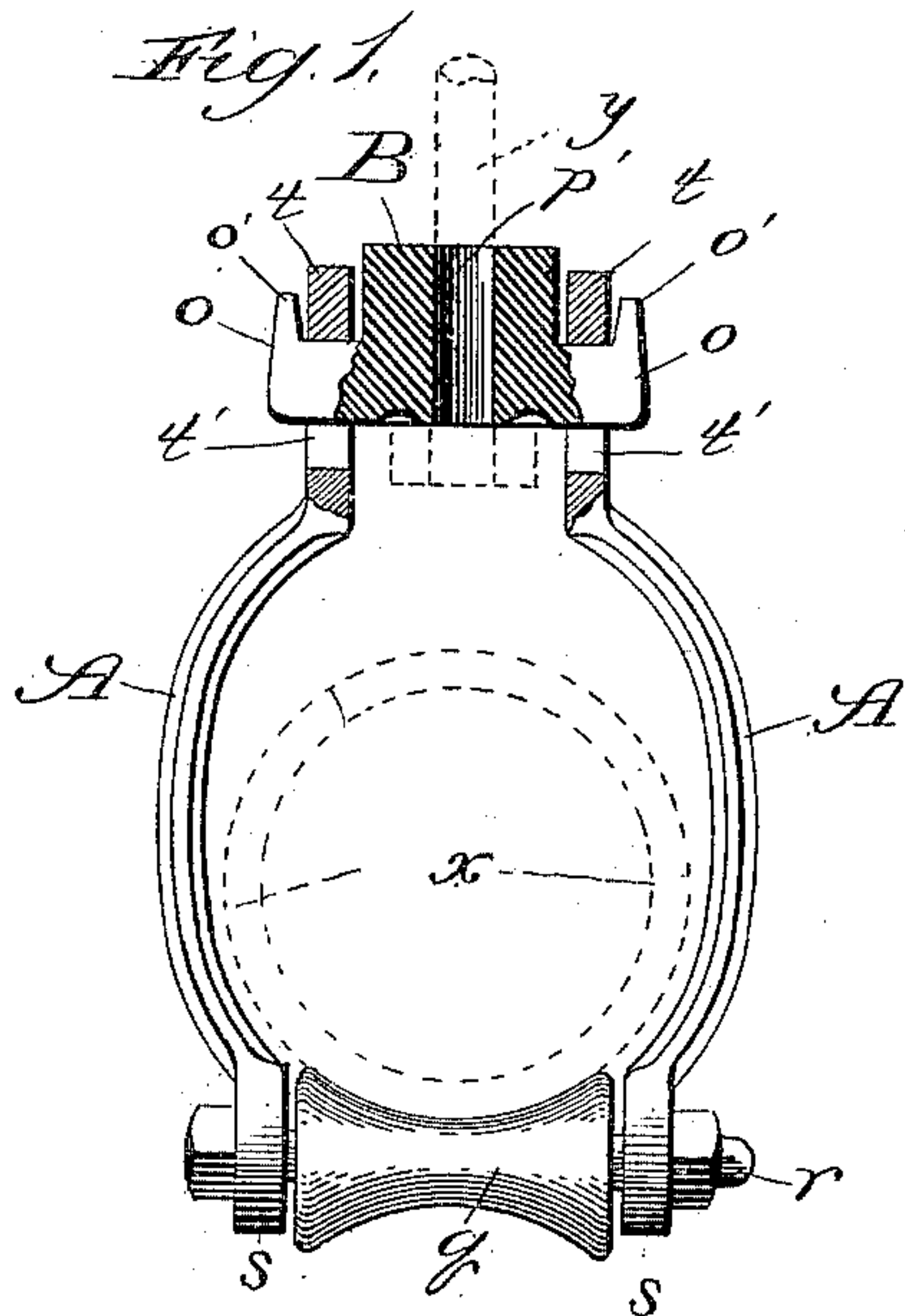


(No Model.)

J. COLLIS.
PIPE HANGER.

No. 411,518.

Patented Sept. 24, 1889.



Witnesses:
E. S. Gaylord,
J. H. Dyrenforth.

Inventor:
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Attys

UNITED STATES PATENT OFFICE.

JOHN COLLIS, OF DES MOINES, IOWA.

PIPE-HANGER.

SPECIFICATION forming part of Letters Patent No. 411,518, dated September 24, 1889.

Application filed March 27, 1889. Serial No. 304,923. (No model.)

To all whom it may concern:

Be it known that I, JOHN COLLIS, a citizen of the United States, residing at Des Moines, in the county of Polk and State of Iowa, have
5 invented a new and useful Improvement in Pipe-Hangers, of which the following is a specification.

My invention relates to an improvement in pipe-hangers of the class commonly employed
10 in buildings for suspending horizontal steam or other pipes under ceilings or the like; and my object is to provide a device of the above class of simple and improved construction, which shall be capable of ready adjustment
15 in its operative position and be easily separable to facilitate the suspension or removal of the pipe it is designed to sustain.

My invention consists in the general construction of my improved device; and it further
20 consists in details of construction and combinations of parts, hereinafter set forth and claimed.

In the drawings, Figure 1 is a view in elevation, partly sectional, of a pipe-hanger of
25 my improved construction in operative position, supporting a pipe which is indicated by dotted lines; and Figs. 2 and 3, a perspective and broken perspective view, respectively, showing details.

30 A A are the side pieces of a stirrup, which may be curved throughout part of their extent (though I do not limit my invention to this particular form) and flanged toward opposite ends, as shown, to afford flat opposing
35 extension $t\ t$ and $s\ s$. The upper flanges t are provided with openings t' and the lower flanges s with openings to receive a nut-bolt r . A roller q fits loosely over the bolt r between the opposing flanges $s\ s$.

40 B is a yoke comprising a body portion p , having longitudinally an opening p' , and lugs o , projecting from opposite sides of the body portion, provided with shoulders o' , which extend upward and produce sockets o^2 between them and the body portion of the yoke.
45

In adjusting my improved hanger in operative position the yoke B is secured to the

ceiling or other overhead support by means of a lag-screw y , or other suitable securing means, which extends through the opening p' 50 or beyond the body portion of the yoke. The stirrup is adjusted around the pipe and the openings t' of the side pieces A passed over the lugs o of the yoke, whereby the upper sides of the openings t' are caused to rest in 55 the sockets o^2 , as shown in Fig. 1. The hangers may be raised or lowered to adjust them to the proper level or pitch by turning the screw y to the right or left. The rollers q operate to practically do away with the strain 60 upon the hangers which the longitudinal shifting back and forth of the line of pipe in coupling and uncoupling, or the expansion and contraction thereof due to changes in temperature, would otherwise occasion, which 65 strain, more especially in the case of the heavier pipes, would tend to injure the hangers, and while for the above reason the rollers are very desirable they are not indispensable.

My improved hanger constructed as de- 70 scribed affords a secure suspension medium for the pipe, and may be quickly placed in operative position, adjusted, and removed, and, as it is made up of several small and separable parts, should one part become 75 broken it may be replaced at but slight expense.

What I claim as new, and desire to secure by Letters Patent, is—

A pipe-hanger comprising, in combination, 80 a stirrup formed with side pieces A, secured together toward their lower ends by a bolt r , a roller q on the bolt between the side pieces, openings t' in the side pieces toward their upper ends, a yoke B, having lateral projec- 85 tions o to enter the said openings, sockets o^2 in the projections o , to receive the upper sides of the said openings, and means for suspending the yoke to a support, substantially as described.

JOHN COLLIS.

In presence of—

FRANK H. PERRY,
H. D. HOLDERBAUM.