

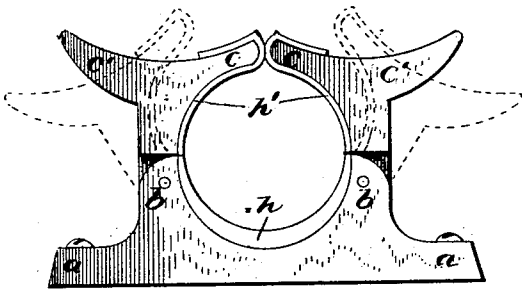
(No Model.)

F. J. YOCKEL.  
CLAMP.

No. 587,775.

Patented Aug. 10, 1897.

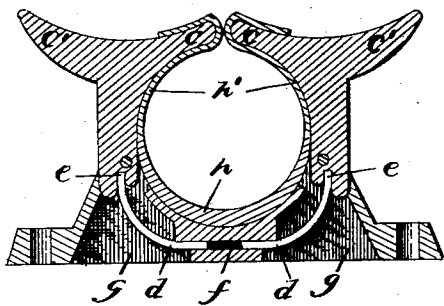
*Fig. 1*



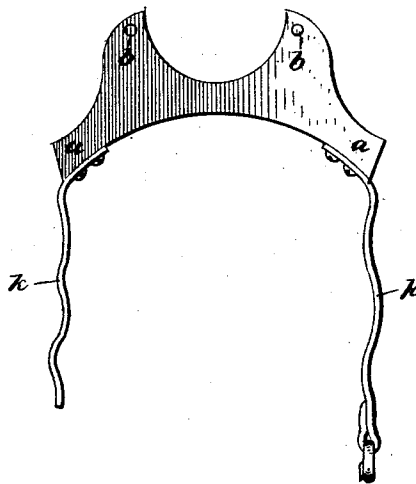
*Fig. 4.*



*Fig. 2.*



*Fig. 3.*



Witnesses  
*J. P. Duplemon.*  
*J. A. M. Wilson*

Inventor  
*Franz J. Yockel.*  
*Henry C. Ewert.* Attorney

# UNITED STATES PATENT OFFICE.

FRANK J. YOCKEL, OF ALLEGHENY, PENNSYLVANIA.

## CLAMP.

SPECIFICATION forming part of Letters Patent No. 587,775, dated August 10, 1897.

Application filed February 12, 1897. Serial No. 623,061. (No model.)

*To all whom it may concern:*

Be it known that I, FRANK J. YOCKEL, a citizen of the United States of America, residing at Allegheny, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Clamps, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in clamps, and has for its object to construct a device that will be particularly adapted to use as a hose-clamp and the like; and to this end the invention consists in the novel construction, combination, and arrangement of parts to be hereinafter more specifically described, and particularly pointed out in the claims.

The invention further aims to construct a clamp that will be extremely simple in its construction, strong, durable, effectual in its operation, and comparatively inexpensive to manufacture.

The invention further consists in the new and novel construction whereby the object which is being supported or held may be removed by extending a force on the same to open the jaws of the clamp.

In describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, and wherein like letters of reference indicate similar parts throughout the several views, in which—

Figure 1 is a side elevation showing the clamp fastened in position and also showing in dotted lines the position of the jaws when open. Fig. 2 is a vertical sectional view of the clamp with jaws closed. Fig. 3 is a side elevation of the base, showing modified form of fastening. Fig. 4 is a side view of the device.

Referring to the drawings by reference-letters, *a* represents the base, which is provided with lugs *b b*, in which is pivotally secured the clamps *c c*, said clamps being provided with a thumb-lever *c'*. The base *a* is cast hollow or recessed to receive the springs *d d*, the upper ends of which engage in grooves *e e*, formed on the base of clamps, the lower ends of said springs resting on a cross bar or block *f*, secured on the base *a*, this block and body portion of the base serving to hold the springs

in position, said base being further provided with apertures *g g* to receive the fasteners, such as a screw or the like. The base is formed between the lugs *b b* with a semicircular cut-away portion, the inner face of the base at this point being provided with a covering *h*, composed of leather or any other suitable material, and the inner face and points of contact of the clamps *c c* are likewise provided with a similar covering *h'*, thus covering the entire inner periphery or portion engaging the object.

In Fig. 3 I have shown straps or cords *k k*, secured to the base *a*, and the base curved, which construction will admit of the device being fastened to a round post or other object to which the construction shown in Figs. 1 and 2 could not be attached, the operation of the clamp in this construction being the same as in the figures heretofore referred to.

The operation of my improved clamp will be readily apparent from the views of the same that I have shown and from the foregoing description, as it will be observed that when the clamps are forced (by pressure on the thumb-lever *c' c'*) from the position shown in full lines in Fig. 1 to the position shown in dotted lines, same view, the hose or other object can be placed in same and the clamps forced together, which are held in contact therewith by the springs *d d*, pressing outward against the lower ends of the clamps.

When it is desired to remove the hose or other object being held, it will be readily observed that a pull on the same will force the clamps apart and out of engagement with the object. The covering provided on the inner face of the clamping portions will prevent the clamp from scratching or otherwise injuring the hose or other object on which the clamp is being used.

The advantage of such a device for use on hose will be readily observed, as it will be noted that the hose may be elevated from the connecting-point along the side of the building. When desired to remove the hose, a pull at any point of same will disengage it from the clamps, which will be forced back to their engaging position by the action of their springs.

This invention is particularly adapted for play-pipe as used by the fire department.

This pipe is usually fastened in a vertical position by cords or straps, which consume time to loosen when the pipe is needed. By my improved clamp the pipe may be held in the vertical position, and may be instantly removed when needed for use.

It will be noted that various changes may be made in the details of construction without departing from the general spirit of my invention.

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

1. In a clamp, a base, clamps pivotally secured in said base, springs secured in said base, the upper ends of said springs engaging the lower ends of the clamps, said clamps and

the engaging face of the base being provided with a suitable covering, substantially as shown and described.

2. A clamp consisting of a base, clamps provided in said base, springs engaging the lower ends of said clamps, said springs supported by a cross-bar secured in the base, said clamps and the engaging portion of the base provided with a suitable covering, and means for securing the base to any desired object, substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

FRANK J. YOCKEL.

Witnesses:

A. M. WILSON,  
GEO. B. PARKER.