J. A. H. Dunne.

Picture Frame Clamp.

No. 54,463. Patented May 1, 1866.

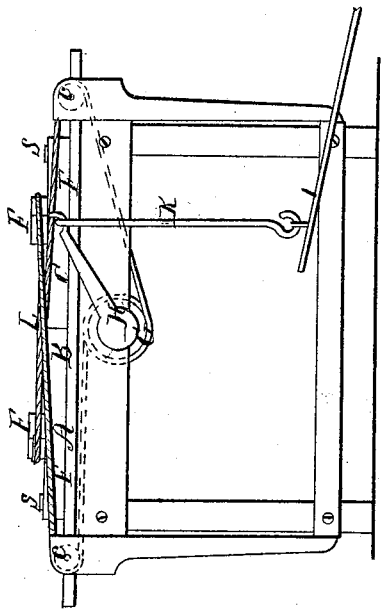

Fig. 2.

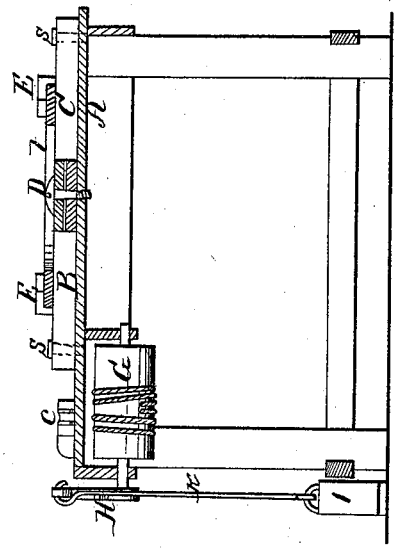

Fig. 3.

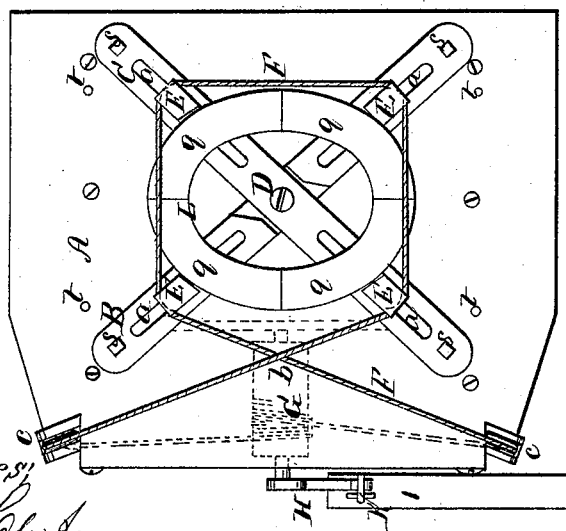

Fig. 1.

Witnesses:
D. P. Hall Jr.
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By his Attorney
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UNITED STATES PATENT OFFICE.

JOHN A. H. DUNNE, OF BOSTON, ASSIGNOR TO JAMES E. ROGERS, OF CHELSEA, MASSACHUSETTS.

IMPROVEMENT IN PICTURE-FRAME CLAMPS.

Specification forming part of Letters Patent No. **54,463**, dated May 1, 1866.

To all whom it may concern:

Be it known that I, JOHN A. H. DUNNE, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful machine for holding and compressing an oval frame during the process of gluing its parts together; and I do hereby declare the same to be fully described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a top view, Fig. 2 a side elevation, and Fig. 3 a transverse section, of it.

In the said drawings, A denotes a table, on whose upper surface is a cross-frame of two bars, B C, which cross one another, and at their junction are affixed to the table by a screw, D, going through them and being screwed into it. These bars are arranged in one plane, and formed so that each may be capable of being turned on the center screw, D, in a manner to enable the angle which each bar makes with the other to be varied more or less. Each of the said bars has two slots, *a a*, made vertically through it, they being arranged on opposite sides of the center screw.

There is a slider or jaw, E, to each slot. The said slider not only enters the slot but is notched and rounded at its outer end to receive a rope, F. The said rope is carried about the four sliders, and after being crossed on itself, as shown at *b*, is led about two guide-sheaves, *c c*, to, and has its two extremities fastened to the barrel of, a windlass, G, arranged within the latter and provided with a crank or arm, H, which projects from it, as shown in the drawings. The said arm may be connected to a treadle, I, by means of a rod, K, jointed to the two.

By turning the windlass, which may be effected by the pressure of a person's foot on, or a weight laid on, the treadle, the cord will be drawn upon in such manner as to simultaneously move all the sliders E inward or toward the screw D, and when an oval frame, I, is placed between such sliders, in manner as shown in Fig. 1, its parts or quarters *q q q q* will be compressed together at their ends, and may be so kept in contact while the glue previously placed on such may be drying.

Near each end of each of the bars B C a pin, *s*, goes down through the bar and into one of a series of holes, *t t t*, made in the top of the table, and in the arc of a circle whose center is that of the screw D. By such means the angle of decussation of the bars may be varied more or less in order to adjust the sliders properly to the quarters of an elliptical frame when placed between them.

I claim—

The combination of the adjustable cross or bars B C, the sliders, the rope, and the windlass, the whole being arranged and applied together and to a table, substantially as and so as to operate as and for the purposes specified.

JOHN A. H. DUNNE.

Witnesses:

R. H. EDDY,

FREDERICK CURTIS.