(No Model.)

H. T. DAVIS.

QUILTING ATTACHMENT FOR SEWING MACHINES.

No. 321,009. Patented June 30, 1885.

Fig. 1.

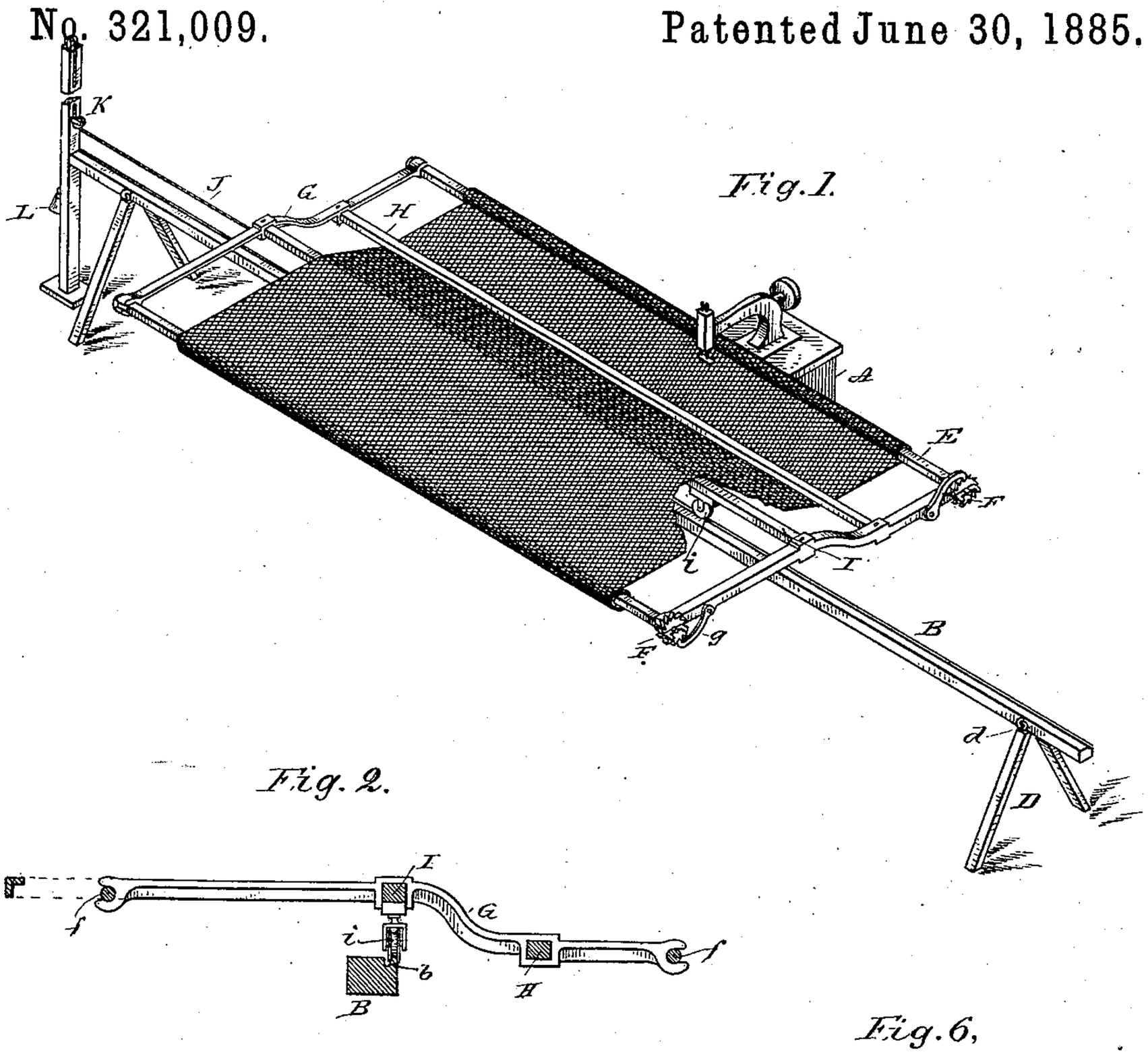


Fig. 2.

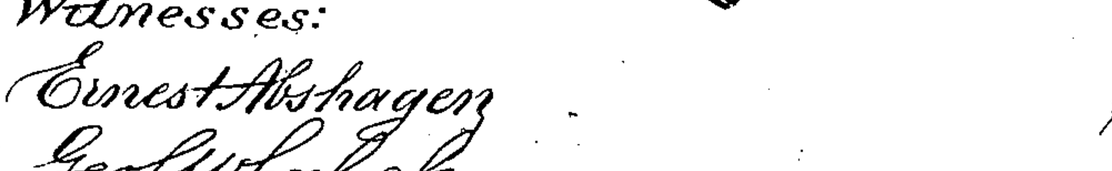


Fig. 6,

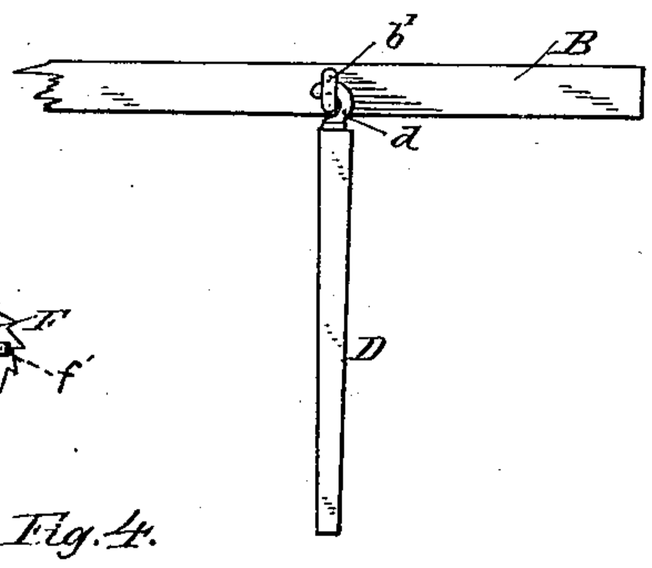


Fig. 3.

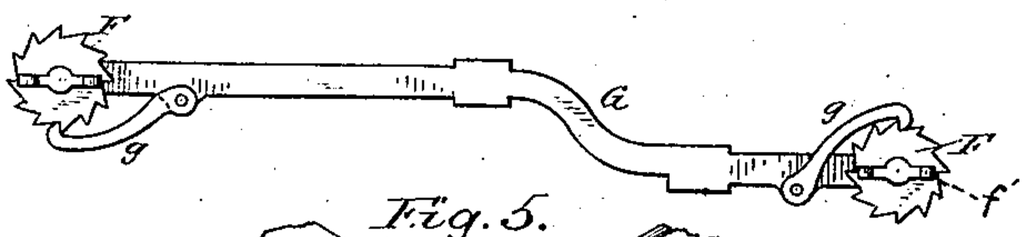


Fig. 5.

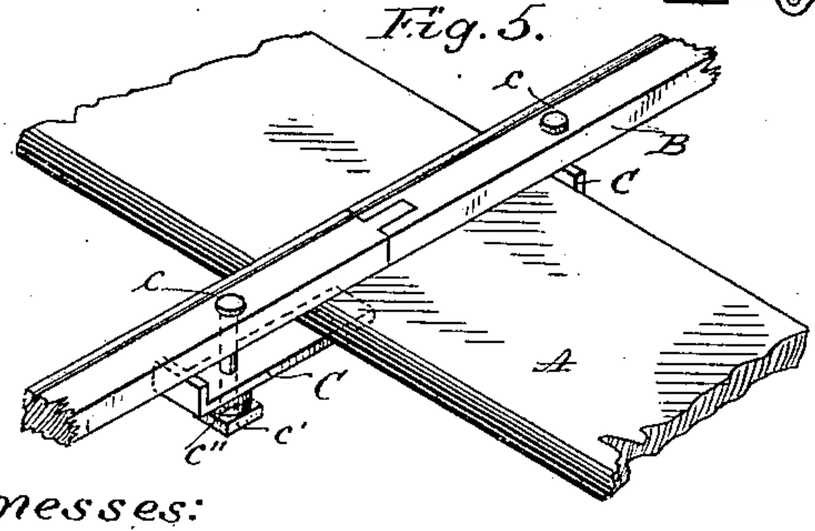
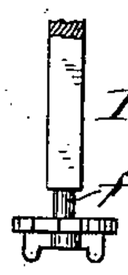


Fig. 4.



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UNITED STATES PATENT OFFICE.

HENRY T. DAVIS, OF NEW YORK, N. Y., ASSIGNOR TO THE DAVIS QUILTING FRAME COMPANY, OF SAME PLACE.

QUILTING ATTACHMENT FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 321,009, dated June 30, 1885.

Application filed May 6, 1884. (No model.)

To all whom it may concern:

Be it known that I, HENRY T. DAVIS, a citizen of the United States, residing in the city, county, and State of New York, have invented a new and useful Improvement in Quilting Attachments for Sewing-Machines, of which the following is a specification.

My invention relates to various details, hereinafter described, and specifically pointed out in the claim.

Referring to the accompanying drawings, which form a part of this specification, Figure 1 represents a perspective view of my improved quilting-frame. Fig. 2 is a view of an end bar of the frame. Fig. 3 is an outside view of the same, showing the pawl and ratchet attached to the same. Fig. 4 is a detail view of the ratchet, showing the manner of its attachment to the main bar or rail. Fig. 5 illustrates my improved mode of clamping the frame to the sewing-machine. Fig. 6 is an enlarged view of the frame-supporter.

In Fig. 1, A represents a sewing-machine, which may be of any manufacture, and B a longitudinal piece or strip clamped thereto. This strip may be formed of one unbroken piece; but I prefer to divide it into two or more pieces, providing these different parts with means of attachment to each other, as illustrated in detail in Fig. 5. By this construction the strip is more easily attached and detached, and when not in use is more conveniently stored.

For attaching the strip B to the sewing-machine frame, I provide a clamp, C, preferably of metal, as shown in Fig. 5. This clamp is provided with bolt, nut, and washers *c*, *c'*, and *c''*, respectively.

The strip B, besides being attached to the sewing-machine, is provided with legs D at both ends. The legs are provided with hooks *d*, which engage with corresponding eyes, *b'*, on the strip B. The quilting-frame proper consists of the bars E, upon the sides of said frame, on which the quilt is wound. These bars may be of wood or iron. Fig. 1 is designed to illustrate a frame having wooden side bars. Upon the outer ends of these bars are secured ratchet-wheels F. Between the bars and the wheels are necks *f*, which rest and turn in suitable bearings in the metallic end pieces of the frame. These end pieces, G, are formed preferably of angle-iron, and are so illustrated in Fig. 2. Attached to them are pawls *g*, for engaging with the ratchet-wheels F.

The presser-rod H and the longitudinal rail I extend between the end pieces, G, and are attached thereto, as shown in Fig. 1.

The rollers *i* are attached to the rail I, and are adapted to travel on the ridge *b* of the strip B. This construction is illustrated in detail in Fig. 2.

A cord, J, is connected to one end of the frame, and rides over pulleys on an upright, K. A weight, L, is attached to the end of this cord, and is adapted to automatically feed the quilt during the operation of sewing.

When it is desired to turn either of the side bars E, the lugs *f'* of the ratchet-wheels may be used for that purpose.

I am aware that quilting-frames having supporting-legs hinged to their under sides are old, and also that tracks or ways upon which quilting-frames reciprocate in feeding the material to the machine have been constructed in sections, and I claim neither as my invention; but I am not aware that a track has ever been provided with legs which are universally adjustable so as to regulate the height of the track and readily removable in the manner set forth in the foregoing specification for convenience in packing the machine away, or that the meeting ends of a sectional track having clamps whereby they are secured to the table of the machine in such a manner as to serve in supporting said track, in addition to holding its meeting ends in place relatively to each other so as to form a continuous way, was ever known or used prior to my invention thereof.

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

In combination with a quilting-frame having anti-friction rollers, substantially as described, and the sewing-machine table, a supporting-track formed in sections, and a clamp on each of the meeting ends of said sections, whereby they are secured to the table and united so as to form a continuous way, as set forth.

Witnesses: HENRY T. DAVIS.

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