

T. KUNDTZ.
SEWING MACHINE CABINET.

No. 541,555.

Patented June 25, 1895.

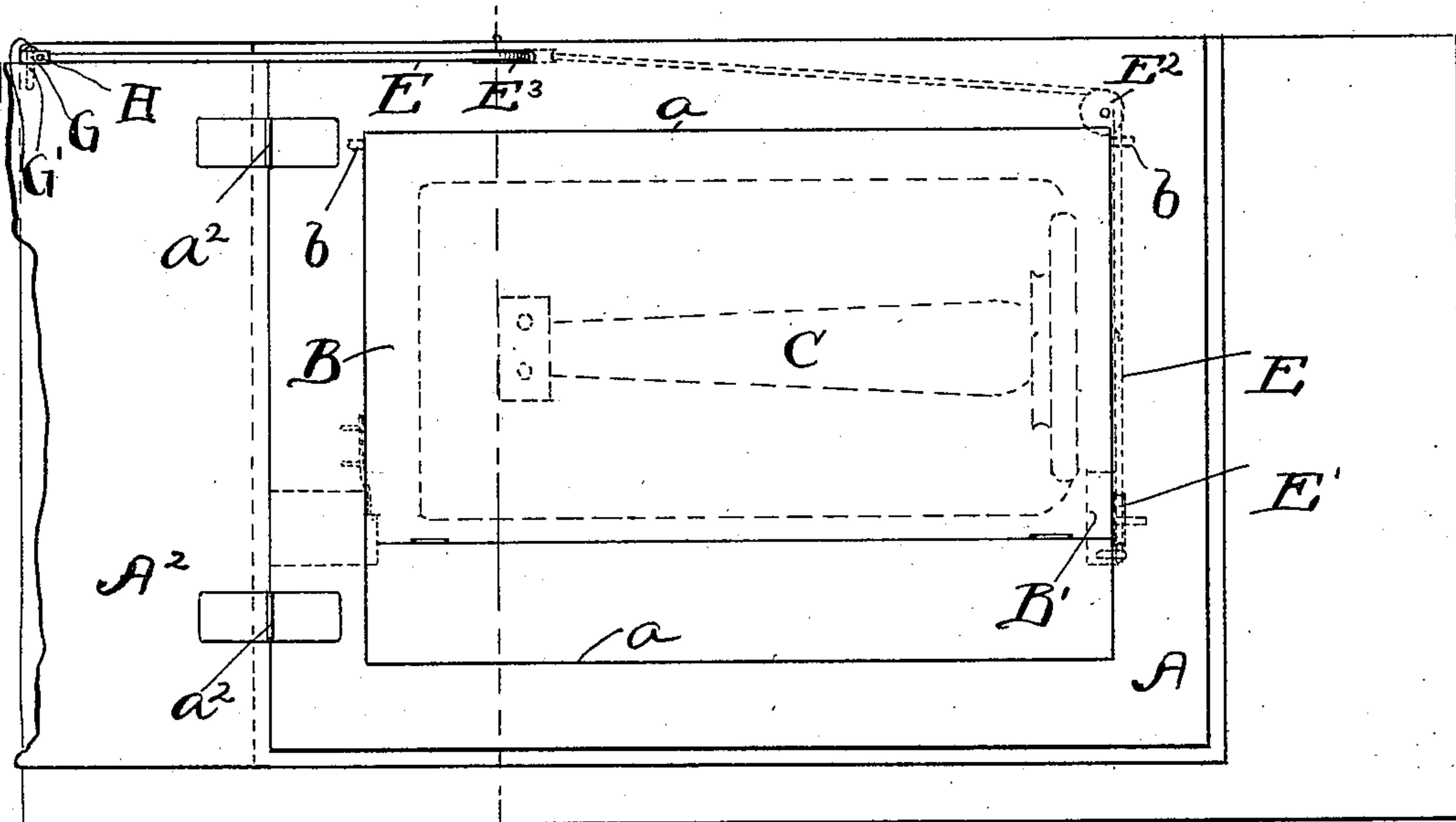


Fig. 1.

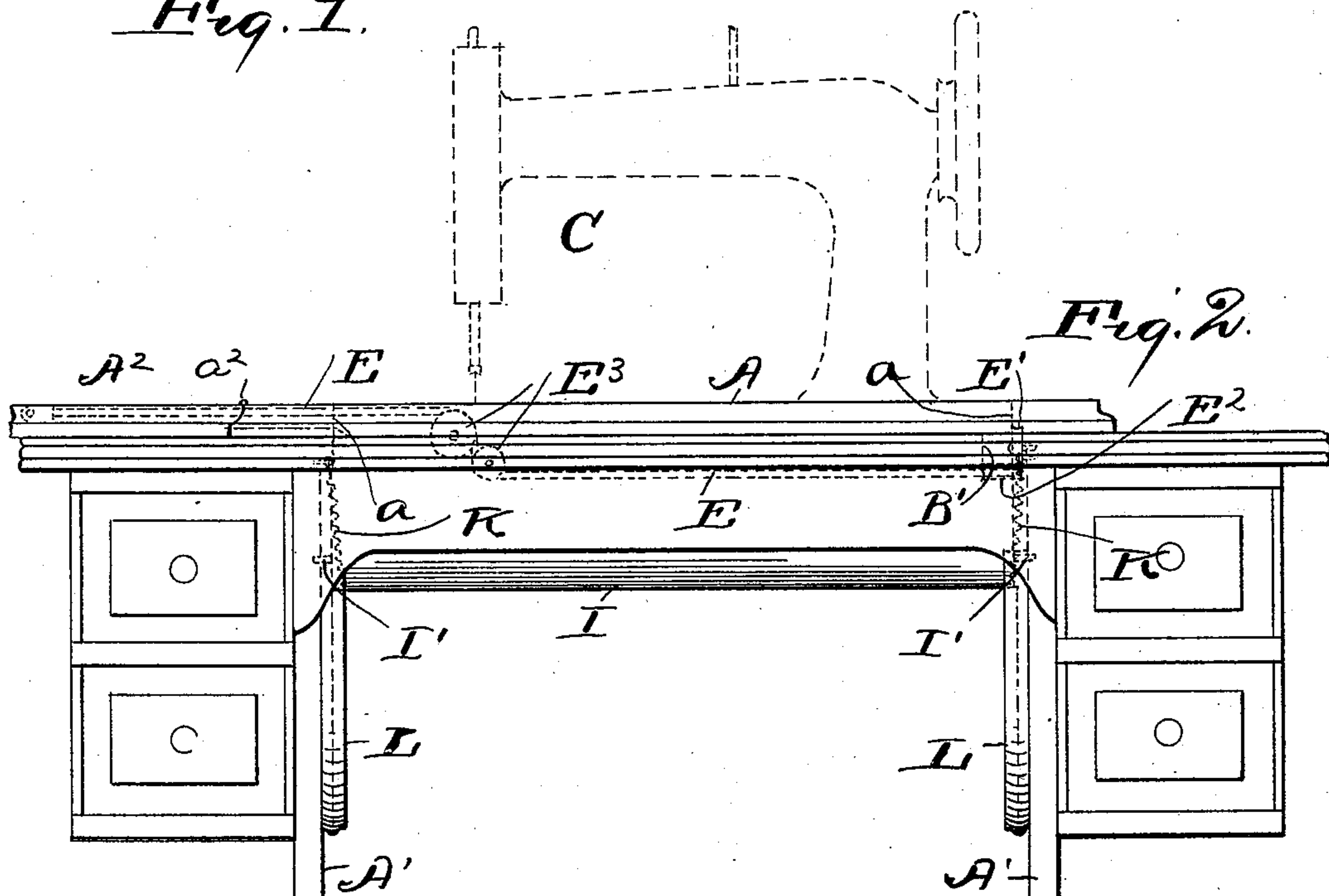


Fig. 2.

Witnesses.

E. B. Gilchrist

[Signature]

Inventor:
Theodor Kundtz

By M. D. Seggett & Co.
his attorneys.

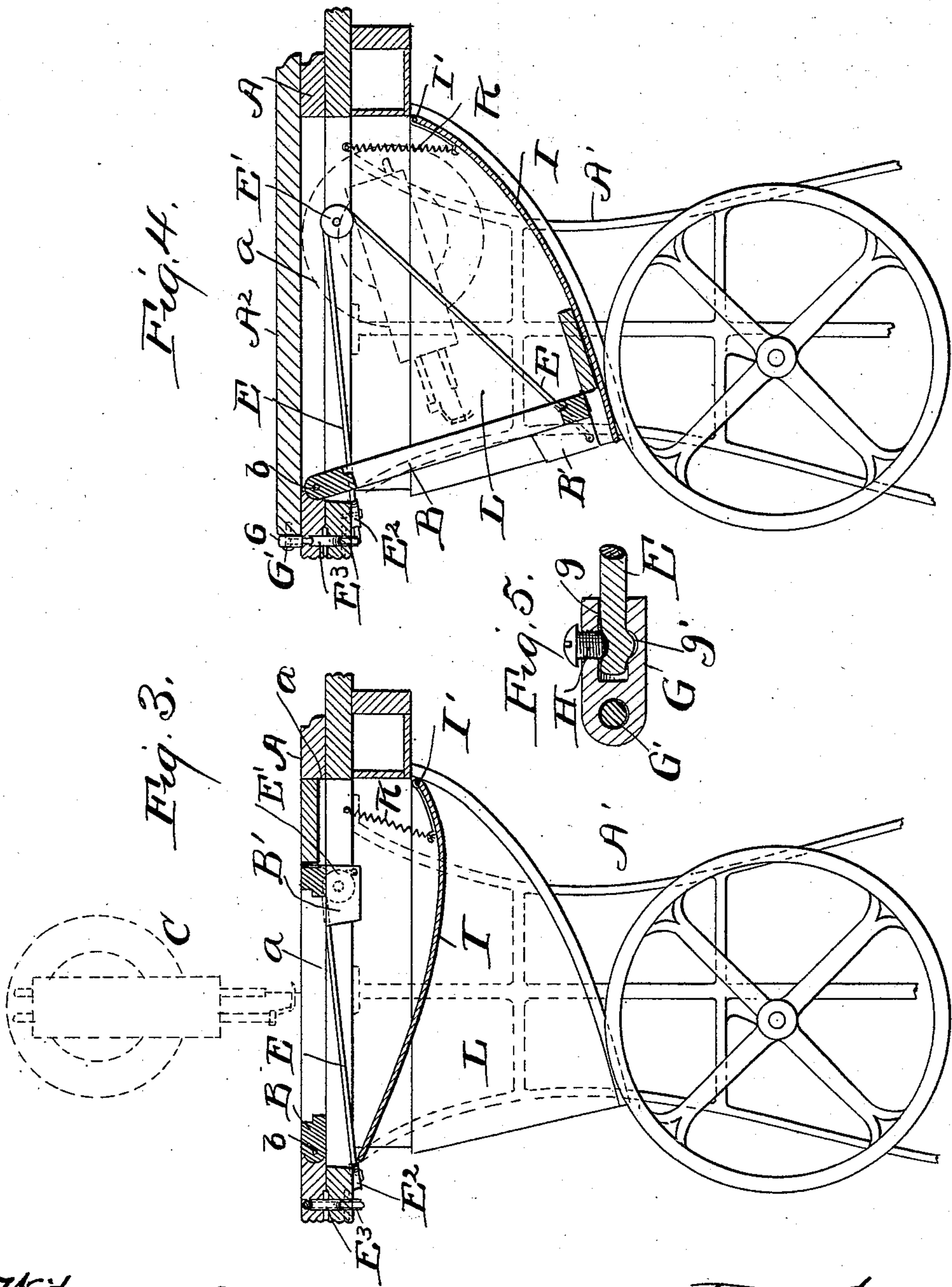
(No Model.)

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UNITED STATES PATENT OFFICE.

THEODOR KUNDTZ, OF CLEVELAND, OHIO.

SEWING-MACHINE CABINET.

SPECIFICATION forming part of Letters Patent No. 541,555, dated June 25, 1895.

Application filed March 2, 1895. Serial No. 540,308. (No model.)

To all whom it may concern:

Be it known that I, THEODOR KUNDTZ, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Sewing-Machine Cabinets; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same.

My invention relates to improvements in sewing-machine-cabinets, wherein the frame or carrier that bears, or is adapted to bear, the sewing-machine-head, is hinged to or pivotally supported from the stationary table of the cabinet, and wherein said frame or carrier, in its elevated position, has its upper surface flush with the upper surface of the table and presents the sewing-machine-head in an operative position, and wherein said frame or carrier is capable of tilting downwardly and thereby lowering the sewing-machine-head below the table, and wherein said frame or carrier is operatively connected with a folding-leaf or section hinged to one end of the table; which leaf, in the elevated or operative position of the sewing-machine-head, is arranged in line with and forms an extension of the table, the arrangement of parts being such that the aforesaid frame or carrier, and sewing-machine-head borne thereby, are tilted downwardly, or elevated, according as the folding-leaf or section is closed down over the opening in the table or is brought into line with the table.

My present invention consists, primarily, in the peculiar means employed for operatively connecting the sewing-machine-head-carrier with the actuating-folding-leaf or section, the object being to render said means as durable, simple and inexpensive as practicable.

My invention also consists in other features of construction, and combinations of parts, hereinafter described and pointed out in the claims.

In the accompanying drawings, Figure 1 is a top plan of a sewing-machine cabinet embodying my invention; and Fig. 2 is a front side elevation of the same, portions of the folding leaf or section hinged to the table of

the cabinet being broken away in said figures to reduce their size. Fig. 3 is an end elevation in vertical section on line 3 3, Fig. 1. Fig. 4 is an end elevation in section corresponding with Fig. 3, excepting that in Fig. 4 the sewing-machine head, that appears in dotted lines, and the frame or carrier supporting said head are shown in their lowered or downwardly-tilted position. Fig. 5 is an enlarged elevation, in detail and in section, showing the means preferably employed for securing rope or flexible connection E to folding leaf or section A².

Referring to the drawings, A designates the stationary table of the cabinet, and A' the supporting-legs or frames of the cabinet. Table A is provided with a centrally-located opening *a* that is adapted to be occupied by the frame or carrier B that supports, or is adapted to support, the sewing-machine-head C, said frame or carrier being hinged to, or pivotally supported from, the table of the cabinet, as at *b*. Said frame or carrier, in the present instance, is shown hinged or pivoted at or near its rear edge.

Frame or carrier B, in its elevated position, wherein it holds the sewing-machine-head in an operative position, has its upper surface flush with the upper surface of the table, as shown in Fig. 3. Said frame or carrier is capable of tilting downwardly to thereby bring the sewing-machine-head below the table of the cabinet, in which inoperative position of the sewing-machine head the folding-leaf or section A², with which the left hand end of said table is provided, is adapted to be closed down over opening *a* in the table, and consequently over the lowered sewing-machine-head, leaf or section A² being shown hinged to a table A at *a*².

One feature of my present invention consists in the simple, durable and reliable means employed for establishing operative connection between frame or carrier B and aforesaid folding-leaf or section A², and is shown to be as follows: Frame or carrier B, at one end, in the present instance the right hand end, and at or near the forward edge of the same, is provided with a depending block or member B' to which is suitably attached a rope or cable E, that thence leads upwardly to and over

a sheave or pulley E' suitably supported from the table in suitable proximity to the connection of said rope or flexible connection with frame or carrier B. From sheave or pulley E', member E leads rearwardly alongside of the path or plane in which frame or carrier B is capable of moving, to and over a sheave or pulley E² suitably supported from the rear portion of the table. From sheave or pulley E² the rope or member E leads along the rear portion of the cabinet to and over any suitable number of guide-sheaves or pulleys E³, and thence leads to the rear edge of the folding-leaf or section A² to which it is attached a suitable distance from the axis of said leaf or section. The manner of attaching said rope or flexible connection to leaf or section A² is preferably by means of a socket G into the chamber g of which the rope or flexible connection extends. A screw H (see Fig. 5) extends through a correspondingly-threaded hole in one of the walls of the socket and engages and embeds the rope or flexible connection within a recess g' formed in the opposing wall of the chamber of the socket, and the socket is pivotally secured to member A², as at G', all whereof is more clearly shown in Fig. 5 that exhibits said construction upon an enlarged scale.

By the construction hereinbefore described, it will be observed that frame or carrier B, and the sewing-machine-head borne thereby, are elevated or lowered according as the folding-leaf or section A² is brought into line with the table or closed down over the opening in the table.

Another feature of my invention consists in the provision of a hood I that is shown hinged, as at I', to the forward portion of the stationary part of the cabinet and extends rearwardly in under the table of the cabinet, and is adapted, in the elevated position of frame or carrier B and sewing-machine-head, to cover said frame and head from below, as shown in Fig. 3. Springs K, one whereof is shown provided at or near each end of hood I, act in the direction to retain said hood in its elevated position, said springs being suitably attached, at opposite ends, to the hood and stationary portion of the cabinet, respectively. In lowering frame or carrier B and the sewing-machine-head borne thereby, depending block B' of said frame or carrier comes into engagement with the upper side of hood I and thereupon tilts or actuates said hood downwardly into the position shown in Fig. 4, wherein it renders the sewing-machine-head invisible from the forward side and bottom of the cabinet, as desired.

Panels or walls L rigid with the table and supporting-legs or frames, close the ends of the space occupied by the sewing-machine-

head when the latter is in its downwardly-tilted position.

What I claim is—

1. A cabinet of the variety indicated, having a table A provided with an opening a, vertically-tilting frame or carrier B hinged to or pivotally supported from said table and adapted, in its elevated position, to occupy the aforesaid opening, folding-leaf A² hinged to the left-hand end of the table, socket G pivoted to the rear edge of said folding-leaf a suitable distance from the axis of said leaf, a rope or flexible member E attached at one end to the tilting-frame or carrier, and at its opposite end extending into the chamber of the aforesaid socket, the opposing walls of said chamber being provided with a recess and screw-threaded hole, respectively, a screw engaging said hole and engaging and embedding the rope or flexible member within the aforesaid recess, and guide-sheaves E', E², E³ for said rope or flexible member, said sheaves being so arranged that the tilting-frame or carrier shall be lowered or elevated according as the folding-leaf is closed down over the opening in, or brought into line with, the table, substantially as set forth.

2. In a cabinet of the variety indicated, the combination with the forward portion of the stationary part of the cabinet, table A provided with a central opening a, suitably supported and actuated vertically-tilting frame or carrier B adapted, in its elevated position, to occupy the aforesaid opening, of the hood I hinged to the forward portion of the stationary part of the cabinet and adapted, in its normal position, to bridge the space in under the aforesaid tilting-frame or carrier and also adapted to be engaged and depressed by the aforesaid tilting-frame or carrier, and means acting to retain said hood in its normal or elevated position, substantially as set forth.

3. In a cabinet of the variety indicated, the combination with the forward portion of the stationary part of the cabinet, table A provided with a central opening a, suitably supported and actuated vertically-tilting frame or carrier B adapted, in its elevated position, to occupy the aforesaid opening, of the hood I hinged to the forward portion of the stationary part of the cabinet, as at I', and the suitably supported springs K, all arranged and operating, substantially as shown, for the purpose specified.

In testimony whereof I sign this specification, in the presence of two witnesses, this 19th day of December, 1894.

THEODOR KUNDTZ.

Witnesses:

C. H. DORER,

L. WARD HOOVER.