

No. 711,042.

Patented Oct. 14, 1902.

S. DUSENBERY.
EXTENSION TABLE.

(Application filed Apr. 23, 1902.)

(No Model.)

2 Sheets—Sheet 1.

Fig. 2.

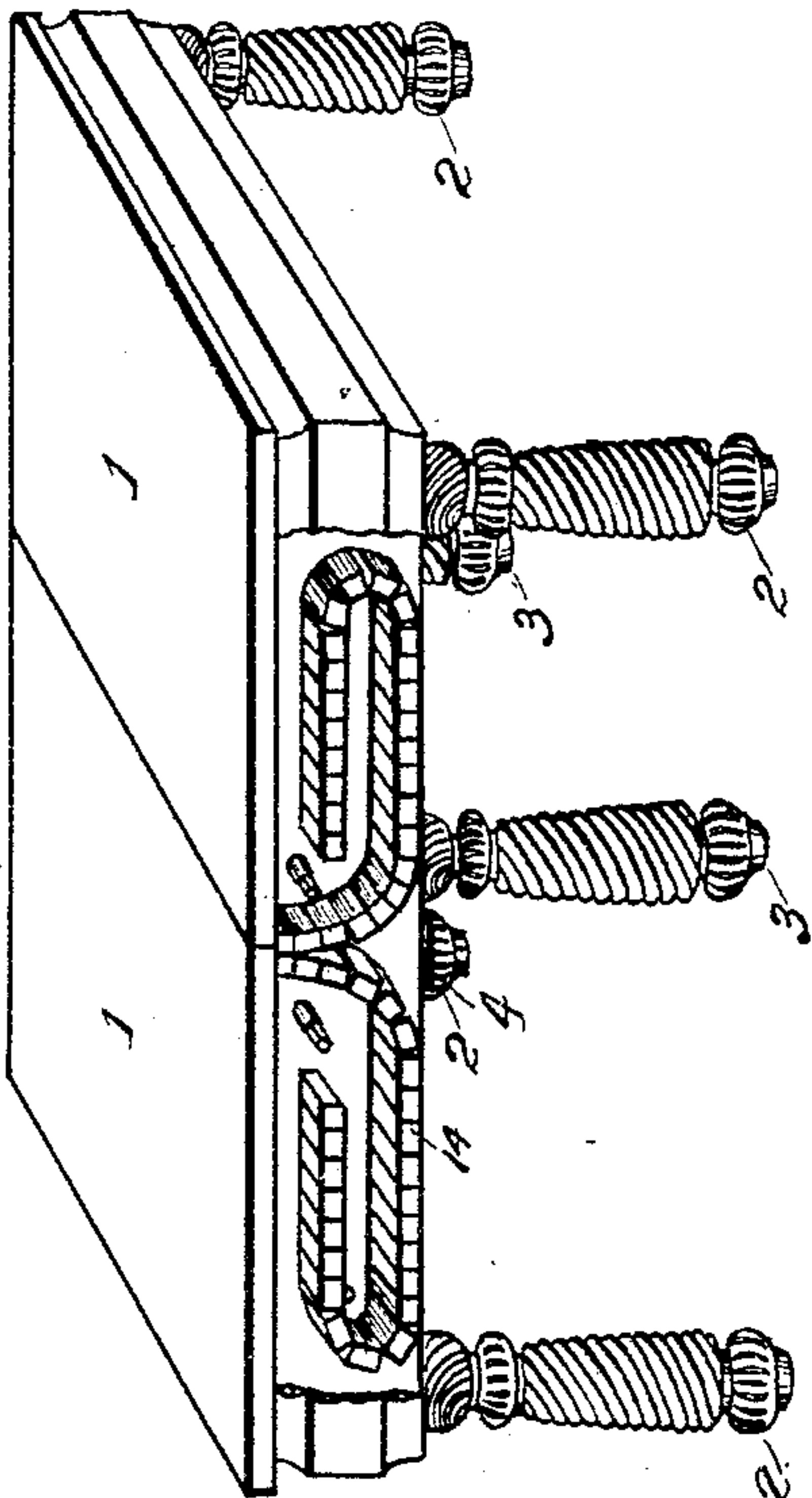


Fig. 1.

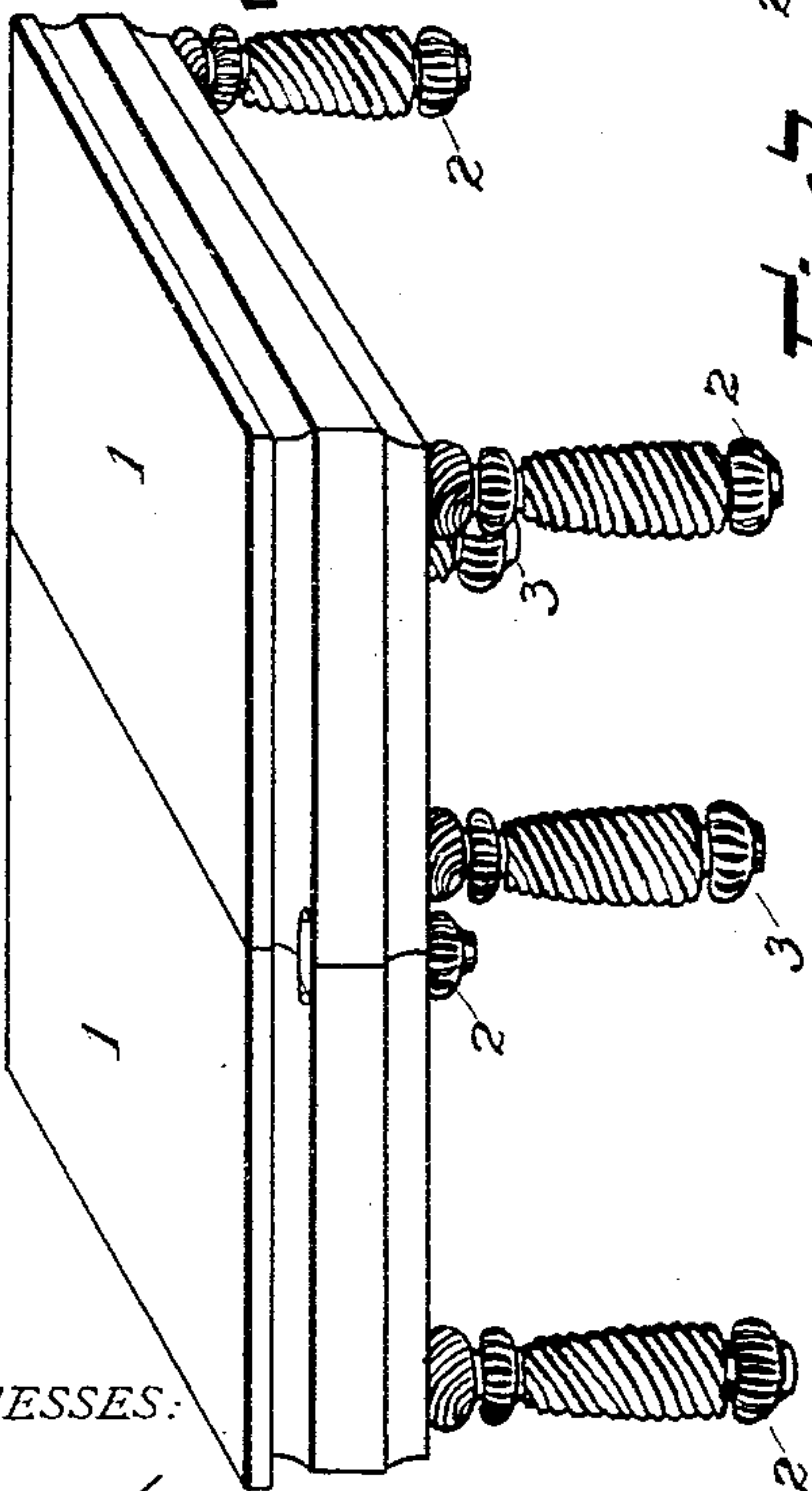
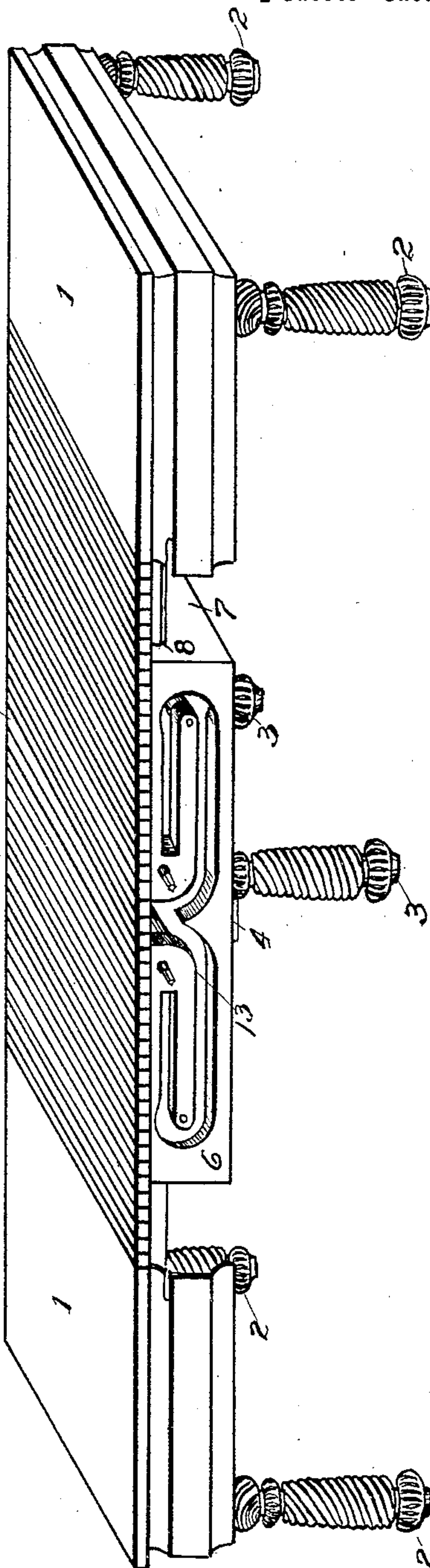


Fig. 3.



WITNESSES:

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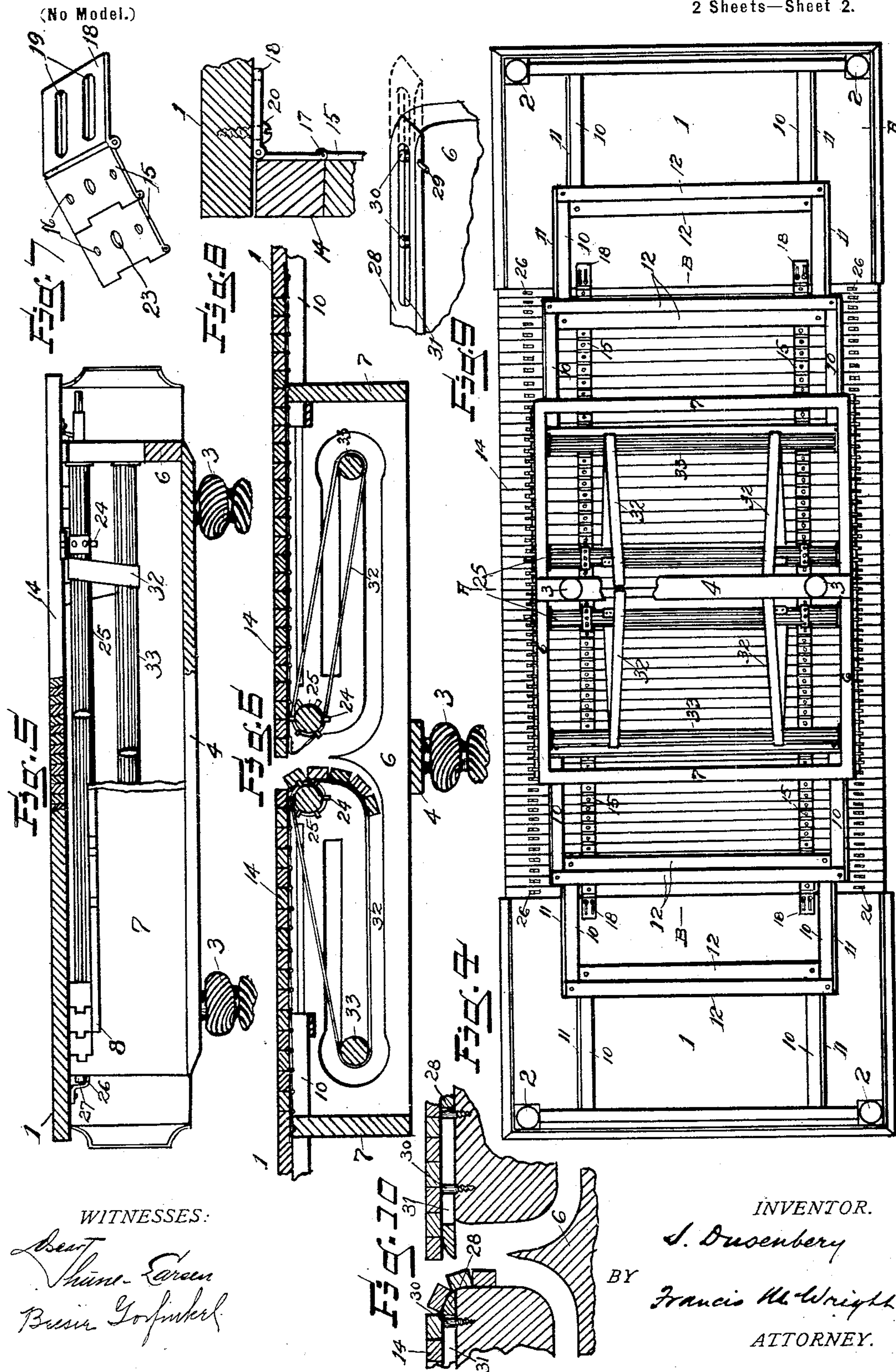
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UNITED STATES PATENT OFFICE.

SAMUEL DUSENBERY, OF SAN FRANCISCO, CALIFORNIA.

EXTENSION-TABLE.

SPECIFICATION forming part of Letters Patent No. 711,042, dated October 14, 1902.

Application filed April 23, 1902. Serial No. 104,238. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL DUSENBERY, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented certain new and useful Improvements in Extension-Tables, of which the following is a specification.

My invention relates to improvements in extension-tables, the object of my invention being to provide an extension-table of which the parts to be inserted in the top to provide a greater length of table-top shall be contained within the table itself, which can be operated with ease and without undue exertion on the part of the operator, and which shall present a scarcely perceptible difference in appearance from an ordinary extension dining-table.

My invention therefore resides in the novel construction, combination, and arrangement of parts for the above ends, hereinafter fully specified, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view of my improved table in its closed position. Fig. 2 is a similar view with one side removed to show the slats rolled up. Fig. 3 is a perspective view of my improved table extended. Fig. 4 is an under plan view of the table extended. Fig. 5 is a transverse vertical section on the line A A of Fig. 4. Fig. 6 is a longitudinal vertical section on the line B B of Fig. 4, showing one end wholly drawn out and the other end partly drawn out. Fig. 7 is a perspective view of the hinge-plate for attaching the outer terminal slat to the end portion of the table. Fig. 8 is a vertical section showing the position of the end slat with reference to the end of the table when folded up. Fig. 9 is a perspective view showing the pusher-strip for pushing up the center slats into position when the table is fully extended. Fig. 10 is a longitudinal section illustrating this feature.

Referring to the drawings, 1 represents the end sections of my improved extension-table mounted upon the corner-legs 2. The central legs 3 of the table support a cross-bar 4, upon which is supported a center piece 5, having side beams 6, joined by the end beams 7. Said end beams are recessed, as shown at 8,

to allow of a telescopic connection between said end beams and the end sections of the table, said connection comprising sections 9, each having side bars 10, having tongues 11, moving in corresponding grooves in the side bars of the next succeeding section and connected by transverse bars 12, which transverse bars abut against the similar bars 12 of the next section, and thus act as stops. The tops of said side bars 10 are flush with the top of the side beams 6 of the center piece, and are thus in contact with the under surface of the top of the table. The side beams 6 of the center piece are cut through, as shown at 13 in Fig. 3, to form paths, each turning upon itself to permit the slats 14 to move therein. Said slats 14 are connected with each other by means of the hinge-plates 15, each hinge-plate being attached to the bottom of a slat through two holes 16 and the hinge-plates being hinged together, as shown at 17, and the terminal hinge-plates at each end are connected with plates 18, which have longitudinal slots 19 therein, through which pass screws 20, screwed into the under surface of the end section 1 of the table-top. When it is desired to extend the table, the ends of the top are pulled apart and the plates 18 are pushed toward the middle, so as to permit of the hinge connection between said plates and the hinge-plates 15 of the first slats to come underneath the ends of the table-top, thereby permitting the slats to swing upward level with the table-top. The hinge-plates 15 have also formed in the center thereof apertures 23, which are engaged by pins 24 on a roller 25, constituting a sprocket-wheel, so that when said roller is turned the slats are moved outward, thereby extending the table. In order to prevent the slats rising up from the top of the table, each slat is provided with a downward and lateral extension 26, which passes underneath a guide 27 on the side of the center section. When the slats have been moved as far as possible by means of the pins or sprocket-wheel engaging the apertures in the hinge-plates, there will be still one or two end slats hanging down in the middle of the table. To move said slats up into position level with the rest of the table, there are provided on the top of each side of the center piece lifter-plates 28, which slide inward and are moved by means

of pins 29, being guided in their movement by studs 30, working in slots 31 in said guides. They are thus pushed forward over the openings in the side beams of the center piece made to receive the slats and cover said openings, 5 lifting the slats into position. To close the table, the rollers are rotated in the opposite direction, and to assist in withdrawing said slats there are provided tapes 32, which are 10 connected at one end to the end slat which comes to the center of the table, said tapes passing over idle rollers 33 and thence passing to the rollers 25. Thus by revolving said latter rollers in the opposite direction the slats 15 are positively drawn back by means of said tapes 32.

I claim—

1. In an extension-top table, the combination of the end sections, the center piece, each 20 side of which has two tracks, each track being cut out in said side and extending from the center of the table in the direction of the end, a shaft extending through a side of the table, whereby it can be operated from the outside, 25 slats connected with the end sections, and an operative connection between said shaft and said slats to be moved by the rotation of the shaft, substantially as described.

2. In an extension-table, the combination 30 of the end sections, the center piece, each side of which has two tracks, each track being cut out in said side and extending from the center of the table in the direction of the end, a roller extending across the table, and hav- 35 ing a sprocket-wheel thereon, and slats having secured on the under side thereof a sprocket-chain engaging said sprocket-wheel, substantially as described.

3. In an extension-table, the combination of the end section, the center piece having 40 its sides cut out to form tracks for the slats of the table, slats connected together to move in said tracks, a roller provided with means for engaging said slats to positively move the same in said tracks, an idle roller, and a tape 45 attached at one end to the first roller and passing around said idle roller and attached at the other end to the innermost slat on the side of the table, substantially as described.

4. In an extension-table, the combination 50 of the end sections, the center piece, the slats movable on said center piece, means for moving said slats, hinges by which said slats are connected together, and a sliding hinge-plate attached to the under side of the end section 55 at the inner end thereof, and attached to the hinge on the terminal slat, said sliding hinge-plate being suitably guided to slide under the end of the end section, substantially as described. 60

5. In an extension-table, the combination of the end sections, the center piece having guides, the slats attached to each other and also attached to said end pieces, and moving 65 in guides in the center piece, and the pusher-strips for pushing up the innermost slats of the two series level with the other slats, substantially as described.

In witness whereof I have hereunto set my hand in the presence of two subscribing wit- 70 nesses.

SAMUEL DUSENBERY.

Witnesses:

BESSIE GOSFINKEL,
F. M. WRIGHT.