

APPLICATION FILED DEC. 28, 1908. RENEWED FEB. 1, 1911.

Patented Mar. 14, 1911.

2 SHEETS-SHEET 1.



T. P. BRIODY, A. B. FAGAN & J. R. LYNCH.

DISPLAY STAND.

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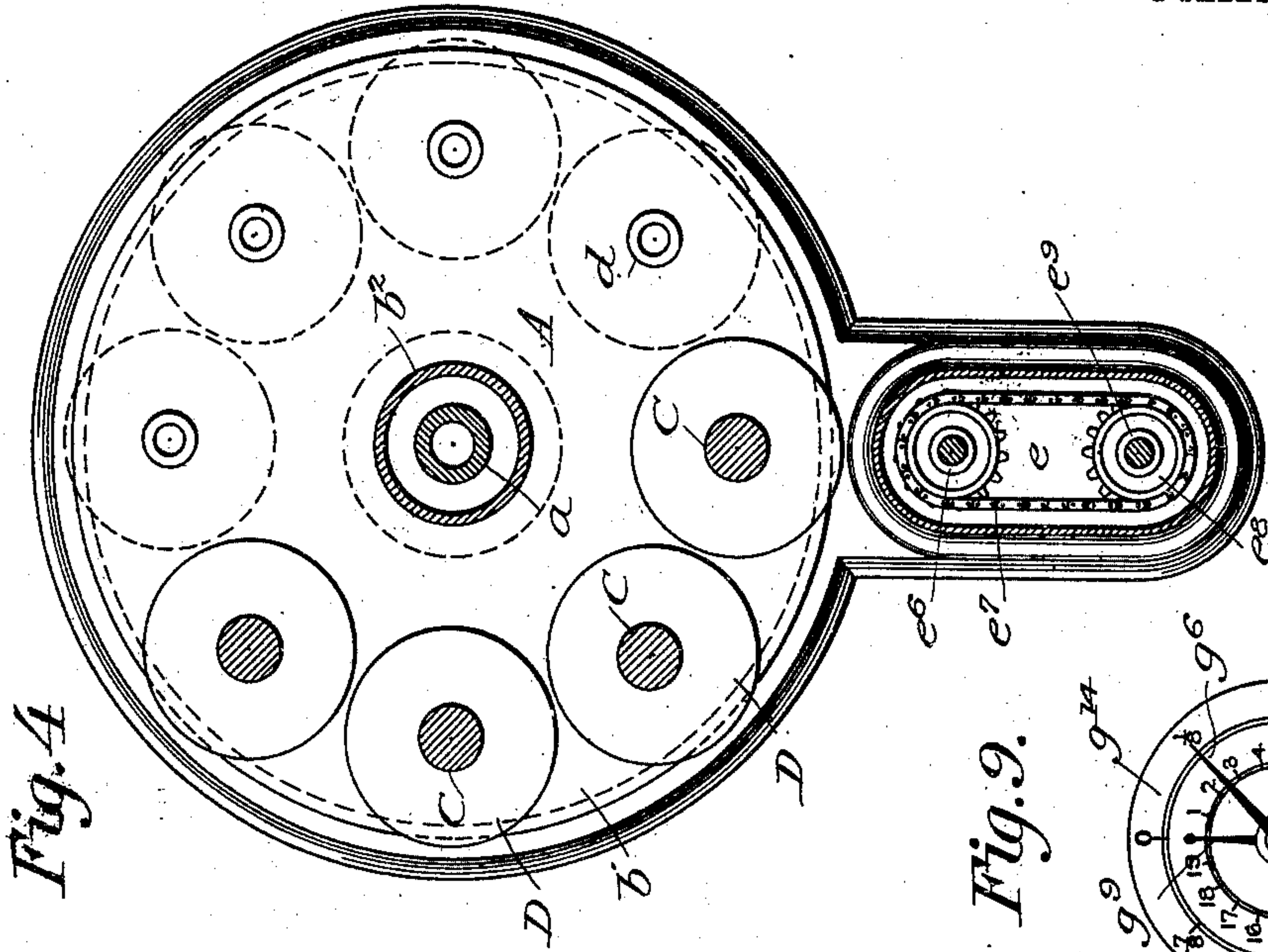


Fig. 4

Fig. 9.

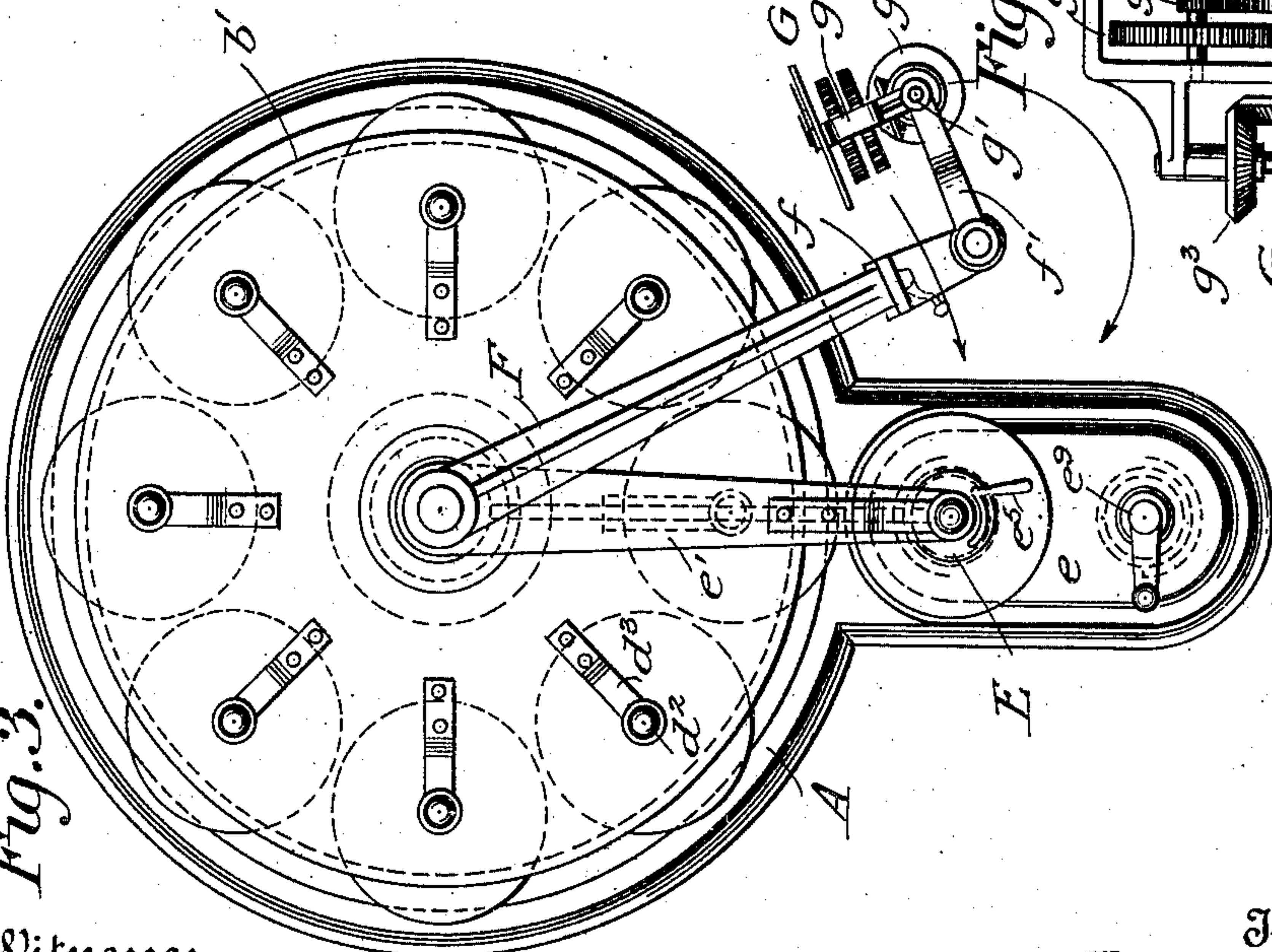
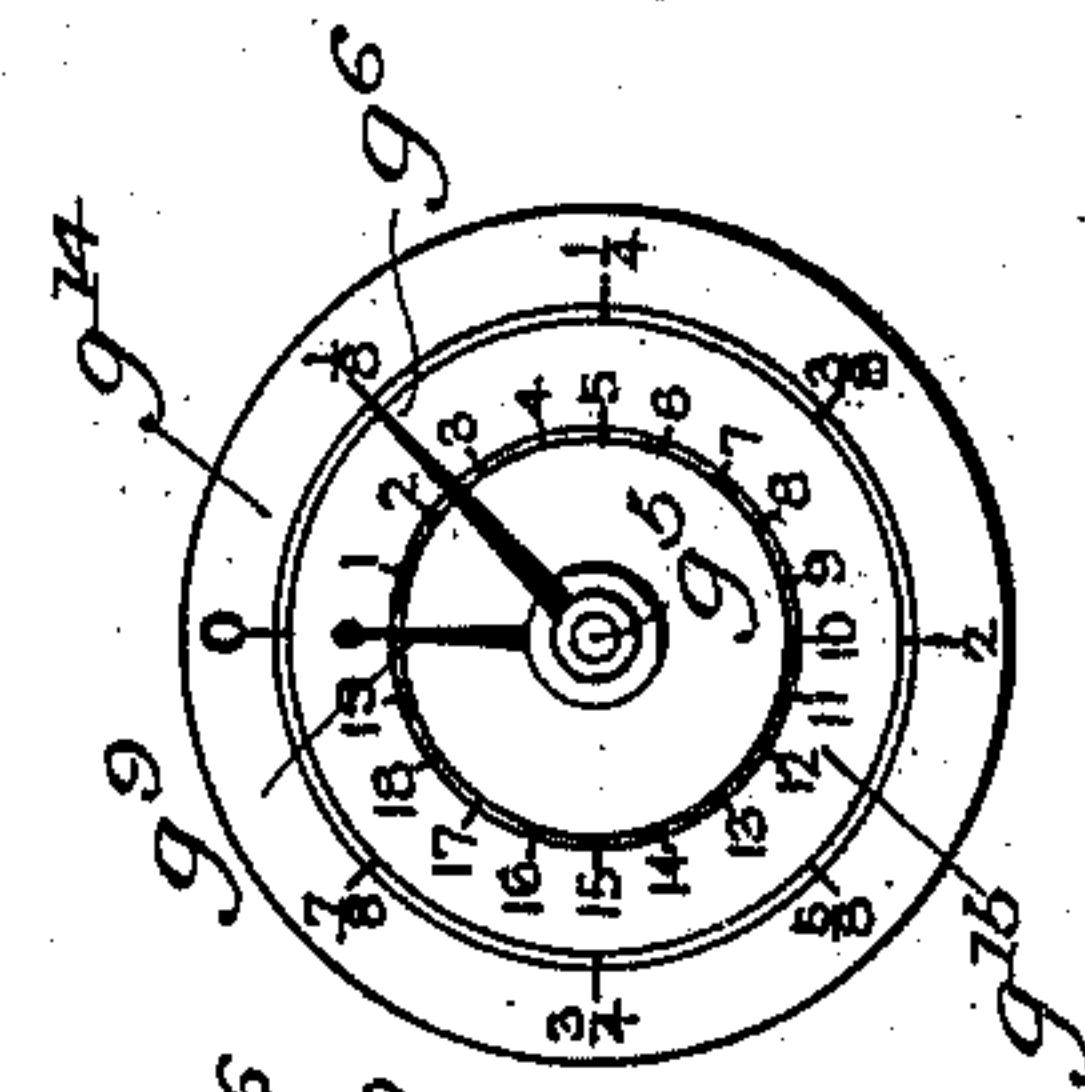
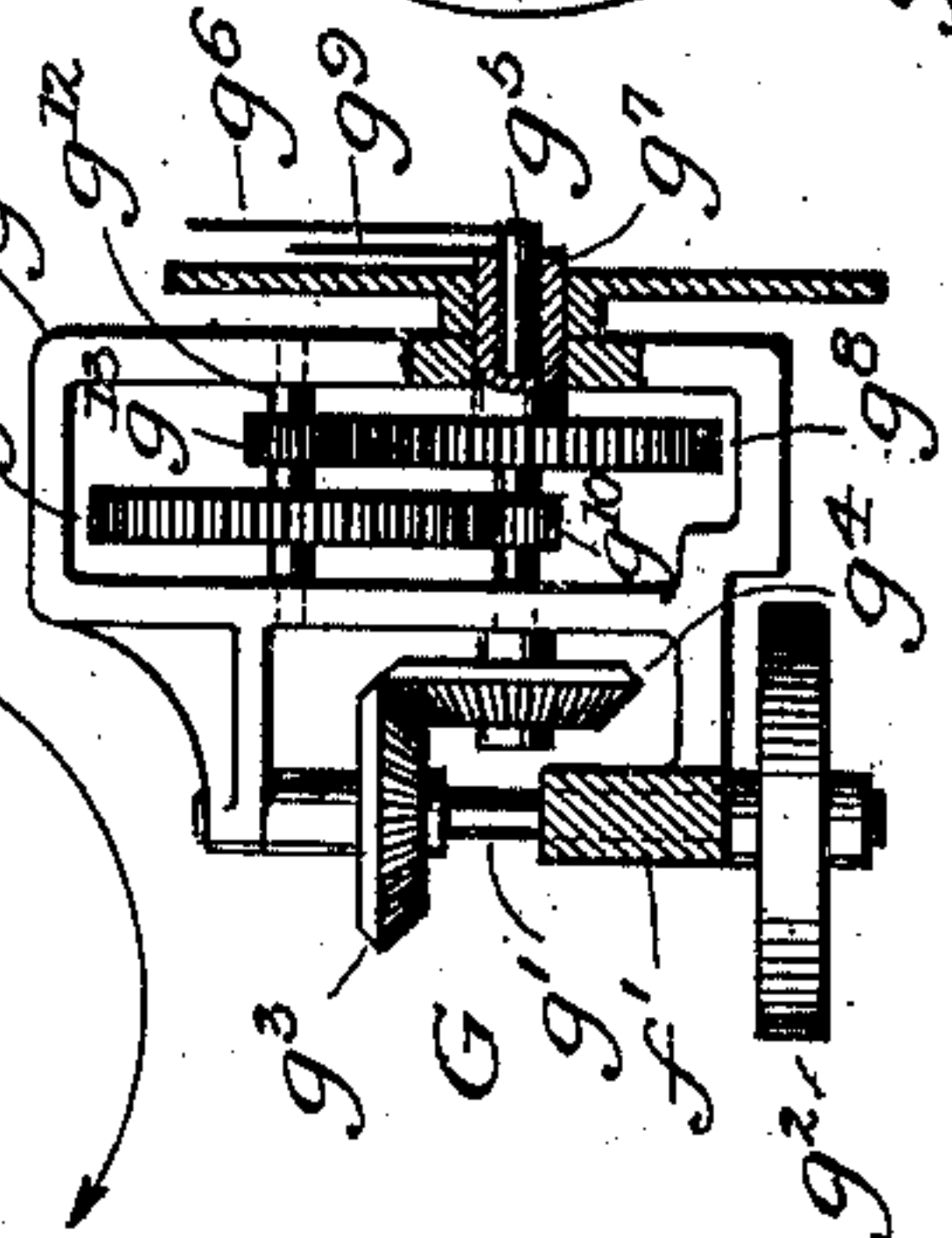


Fig. 3.

Fig. 8.



Witnesses
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UNITED STATES PATENT OFFICE.

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DISPLAY-STAND.

986,433.

Specification of Letters Patent.

Patented Mar. 14, 1911.

Application filed December 28, 1908, Serial No. 469,655. Renewed February 1, 1911. Serial No. 606,006.

To all whom it may concern:

Be it known that we, THOMAS P. BRIODY, ARTHUR B. FAGAN, and JOHN R. LYNCH, citizens of the United States, residing at South Bethlehem, in the county of Northampton and State of Pennsylvania, have invented certain new and useful Improvements in Display-Stands, of which the following is a full, clear, and exact specification.

This invention contemplates certain new and useful improvements in display stands, and relates more particularly to that class of apparatus arranged to support and display oil cloth, carpet and the like.

The principal object of the invention is the production of a simple and inexpensive device of this character in which provision is made for supporting and displaying a plurality of rolls of the goods.

A further object is to provide efficient means for unreeling the cloth from any roll and simultaneously and automatically measuring the same as it is unreeled.

With these and other objects in view the invention will be hereinafter fully set forth and particularly pointed out in the claims at the end of the description.

In the accompanying drawings wherein similar letters of reference are used to indicate corresponding parts in each of the several views: Figure 1 is a longitudinal sectional view illustrating our improved display stand. Fig. 2 is a front elevation thereof. Fig. 3 is a top plan view. Fig. 4 is a transverse sectional view on the line 4—4 of Fig. 2. Fig. 5 is a view of one end of the receiving roll. Fig. 6 is a side view thereof. Fig. 7 is a view of the opposite end of said receiving roll. Fig. 8 is a detail sectional view illustrating the measuring device. Fig. 9 is a face view thereof; and Fig. 10 is a perspective view of clamp for use with short rolls.

Referring to the drawings, A indicates a base provided with a central upright post *a*, upon which the drum B is mounted to revolve. Said drum comprises a bottom plate *b* and a top plate *b'*, preferably of circular form and arranged to support a plurality of display rolls C, said plates being united by a tubular hub *b²* and provided with bearings *b³* engaging post *a*. The bottom plate *b* is provided with casters *b⁴* resting on base A, and ball bearings *b⁵* are also provided. The

rolls C are each provided with lower stud or pintle *d* resting in a bearing *d'*, the lower end of the roll resting upon a plate D. The upper end of each roll C is provided with a stud or pintle engaging a bearing block *d²* held normally in position by a spring *d³*. When it is desired to remove one of the rolls D, the block *d²* is raised, leaving the upper end of the roll free, whereupon the latter may be readily removed.

The receiving roll E is mounted at its lower end in a bearing carried by an extension *e* of base A, the upper end of said roll being mounted in a bearing carried by the free end of an arm *e'* rigidly secured to post *a*. A clip *e²* is provided with pivot pins *e³* mounted in suitable recesses *e⁴* in the roll E, one of said pins being extended and bent to form an operating handle *e⁵*. The lower end of roll E is provided with a sprocket wheel *e⁶* connected by a suitable chain *e⁷* with a similar sprocket wheel *e⁸* mounted upon a crank-shaft *e⁹*.

F designates a swinging arm mounted on post *a* and provided with a cutting guide bar *f*. Said guide bar is also provided with a pivoted arm or bracket *f'* which supports the registering device G. Said registering device comprises a frame *g* in which is mounted the shaft *g'* carrying the measuring wheel *g²*. A pinion *g³* carried by said shaft meshes with a pinion *g⁴* on shaft *g⁵* carrying a pointer *g⁶*. Mounted loosely on shaft *g⁵* is the hub *g⁷* of a pinion *g⁸*, said hub being also provided with a pointer *g⁹*, a second pinion *g¹⁰* meshing with a pinion *g¹¹* carried by a counter-shaft *g¹²*, which in turn is provided with a second pinion *g¹³* meshing with pinion *g⁸*. The pointer *g⁶* registers with a scale *g¹⁴* and the pointer *g⁹* registers with a second scale *g¹⁵*. The pinions of register G are so proportioned that when the circumference of the measuring wheel *g²* revolves one yard, the pointer *g⁶* will make one full revolution, and the pointer *g⁹* one twentieth of a revolution, the scale *g¹⁵* being marked for twenty yards. It is obvious, however, that these proportions may be varied.

In practice the rolls C are provided with cloths of various patterns, and when it is desired to unreel any portion of the cloth, the drum B is revolved to bring the cloth selected opposite the receiving roll E. The end of the cloth is then secured beneath the clip *e²* whereupon the said roll E may be

revolved through the medium of the crank-shaft e^9 , thereby rolling the cloth up on roll E. Before rotating said roll, however, the arm F is swung around to bring the measuring wheel g^2 in contact with the cloth, precaution being first taken to see that both pointers g^6 and g^9 register at zero. The register will then accurately indicate the length of the cloth wound upon the roll E, and when the desired quantity has been measured off, the cloth is cut, the inner edge of guide bar f being used as a backing for this purpose. The roll E is then removed from its supports, and after disengaging the clamp e^2 , the cloth may be slid off of said roll E in a convenient form for delivery.

When short rolls of cloth are to be handled on either one or all of the cloth carrying rolls C a support for same in the shape of a clamping device as shown in Fig. 10 and in dotted lines in Fig. 1 may be utilized.

Having thus described the invention, what is claimed is:—

1. A display stand comprising a base or support, a revolving drum mounted thereon, a plurality of display rolls carried by said drum, a receiving roll mounted in said base, a swinging arm supported by said base, and a measuring device carried by said arm and arranged to engage said receiving roll.

2. A display stand comprising a base or support, a revolving drum mounted thereon, a plurality of display rolls carried by said drum, a receiving roll mounted in said base, a swinging arm supported by said base, a cutter guide bar carried by said arm, a measuring device, and a pivoted bracket secured to said cutter bar and supporting said measuring device.

3. A display stand comprising a base or support provided with a central post a drum revolubly mounted upon said post, a receiving roll, a swinging arm carried by said post, a cutter bar carried by said arm, and a measuring device supported by said cutter bar.

4. A display stand comprising a base or support provided with a central post, a drum revolubly mounted upon said post, a receiving roll, a swinging arm carried by said post, a cutter bar carried by said arm, a measuring device, and a pivoted bracket secured to said cutter bar and supporting said measuring device.

5. A display stand comprising a base or support provided with a central post, a drum revolubly mounted upon said post, a receiving roll having one end mounted in said frame, an overhanging bearing arm for the upper end of said roll, said arm being

secured to said post, a swinging arm carried by said post, a pivoted bracket carried by said arm, and a measuring device carried by said bracket.

6. A display stand comprising a base or support, a revoluble drum mounted thereon, a plurality of display rolls carried by said drum, a receiving roll mounted on said base and provided with a pivotally supported securing bar extending longitudinally thereof, means for operating said bar, and means for revolving said receiving roll.

7. A display stand comprising a base or support, a revoluble drum mounted thereon, a plurality of display rolls carried by said drum, a receiving roll provided with recesses, a securing bar provided with pivot pins mounted in said recesses, and means for operating said bar.

8. A display stand comprising a base or support, a revoluble drum mounted thereon, a plurality of display rolls carried by said drum, a receiving roll provided with recesses adjacent each end, a securing bar having its ends provided with pivot pins mounted in said recesses, one of said pins being extended to form an operating handle, and means for rotating said receiving roll.

9. A display stand comprising a base or support, a revoluble drum mounted thereon, a plurality of display rolls carried by said drum, a receiving roll mounted on said base and provided with a pivotally supported securing bar extending longitudinally thereof, means for operating said bar, means for revolving said receiving roll, a swinging arm supported by said base and a measuring device carried by said arm and arranged to engage said receiving roll.

10. A display stand comprising a base or support, a revoluble drum mounted thereon, a plurality of display rolls carried by said drum, a receiving roll provided with a pivotally supported securing bar extending longitudinally thereof, means for operating said bar, a crank shaft mounted in an extension of said base, gearing connecting said crank shaft and said receiving roll, a swinging arm supported by said base and a measuring device carried by said arm and arranged to engage said receiving roll.

In testimony whereof we have signed our names to this specification in the presence of two witnesses.

THOMAS P. BRIODY.
ARTHUR B. FAGAN.
JOHN R. LYNCH.

Witnesses:

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