

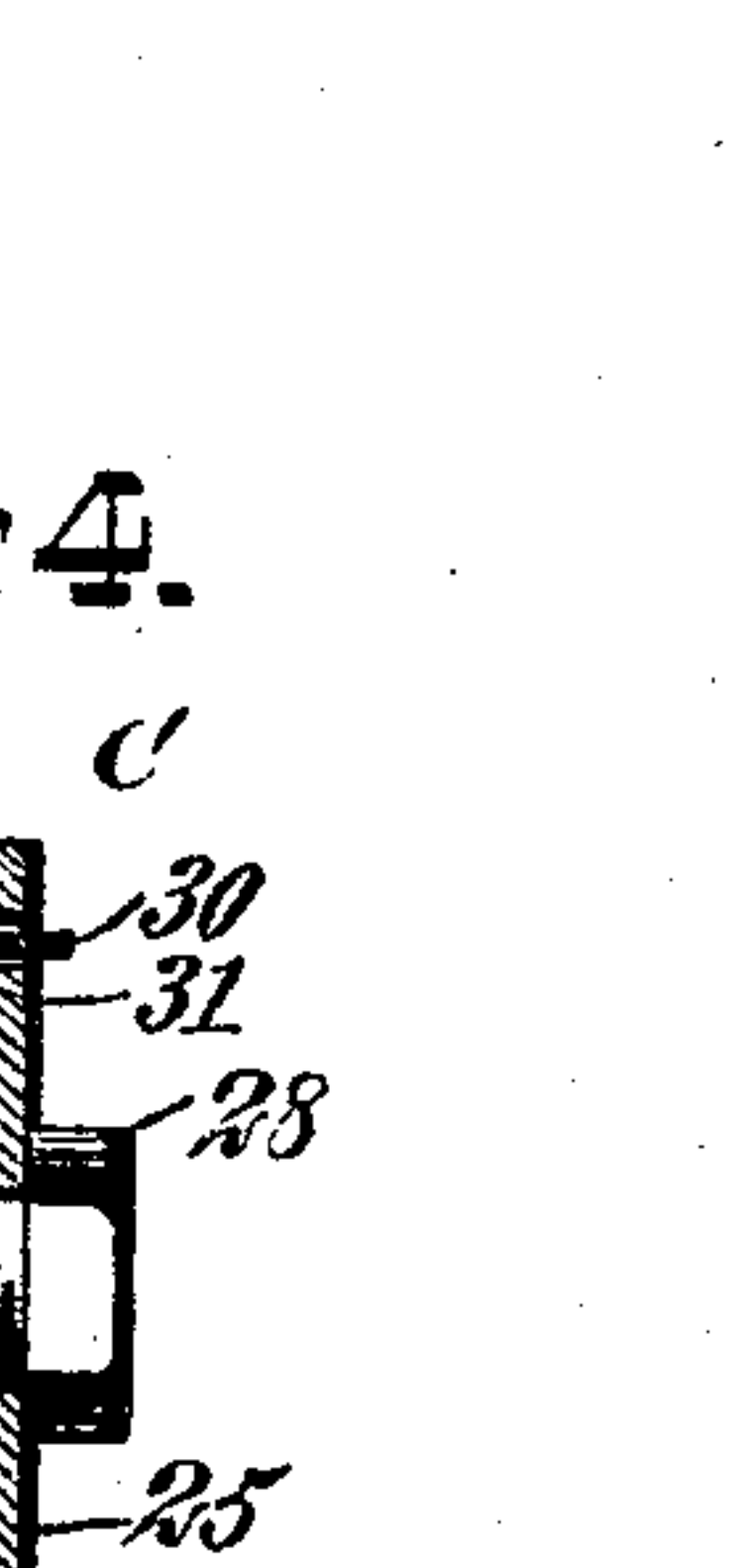
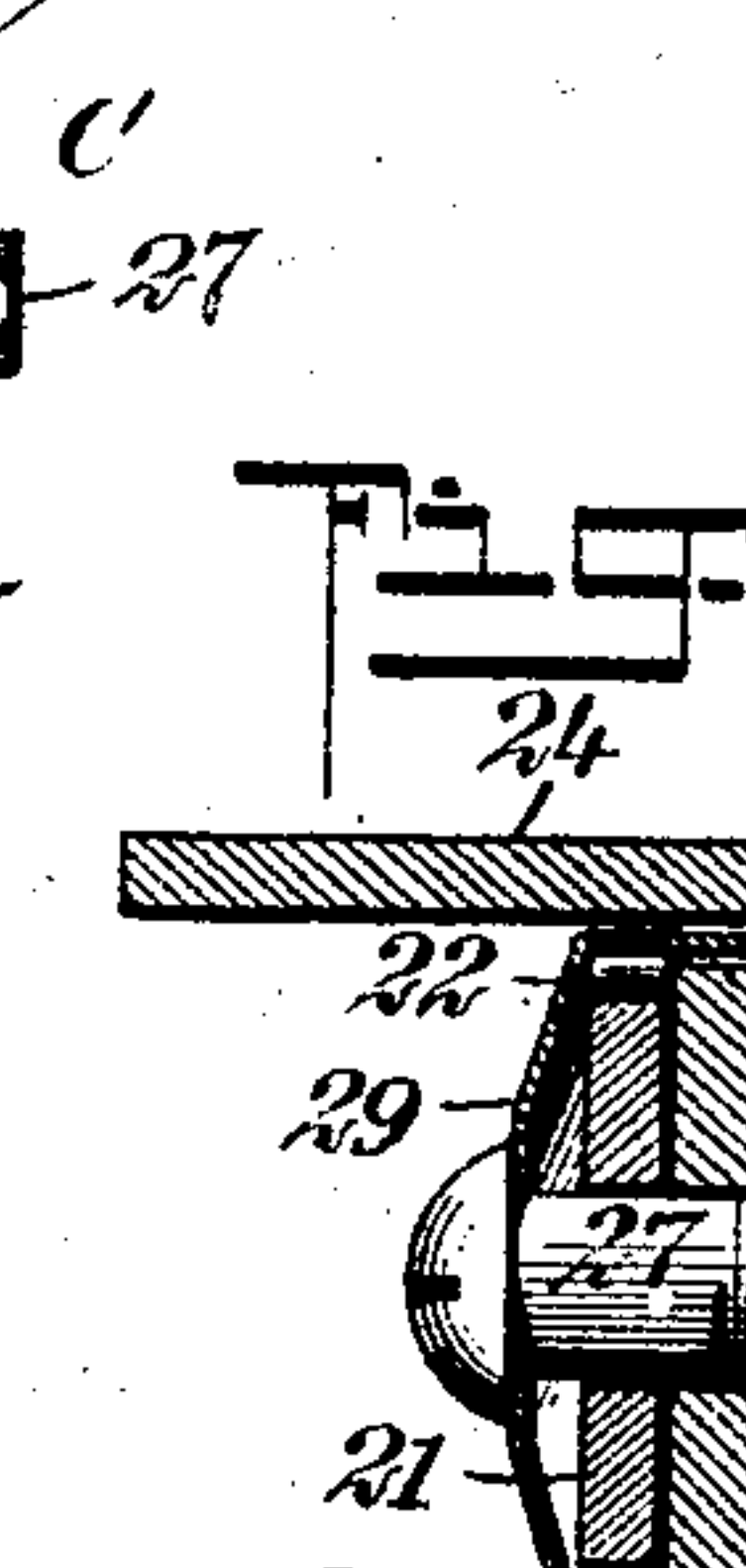
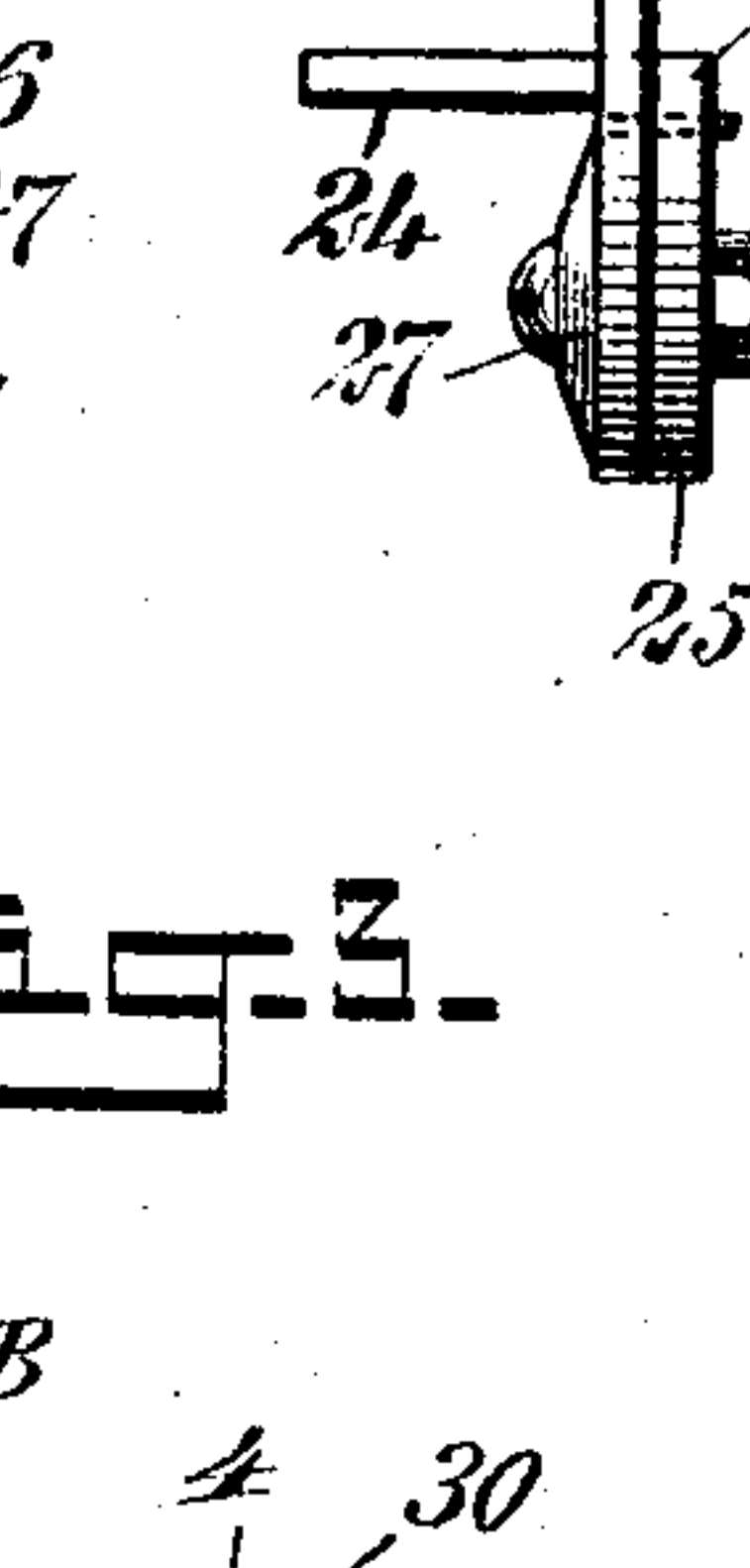
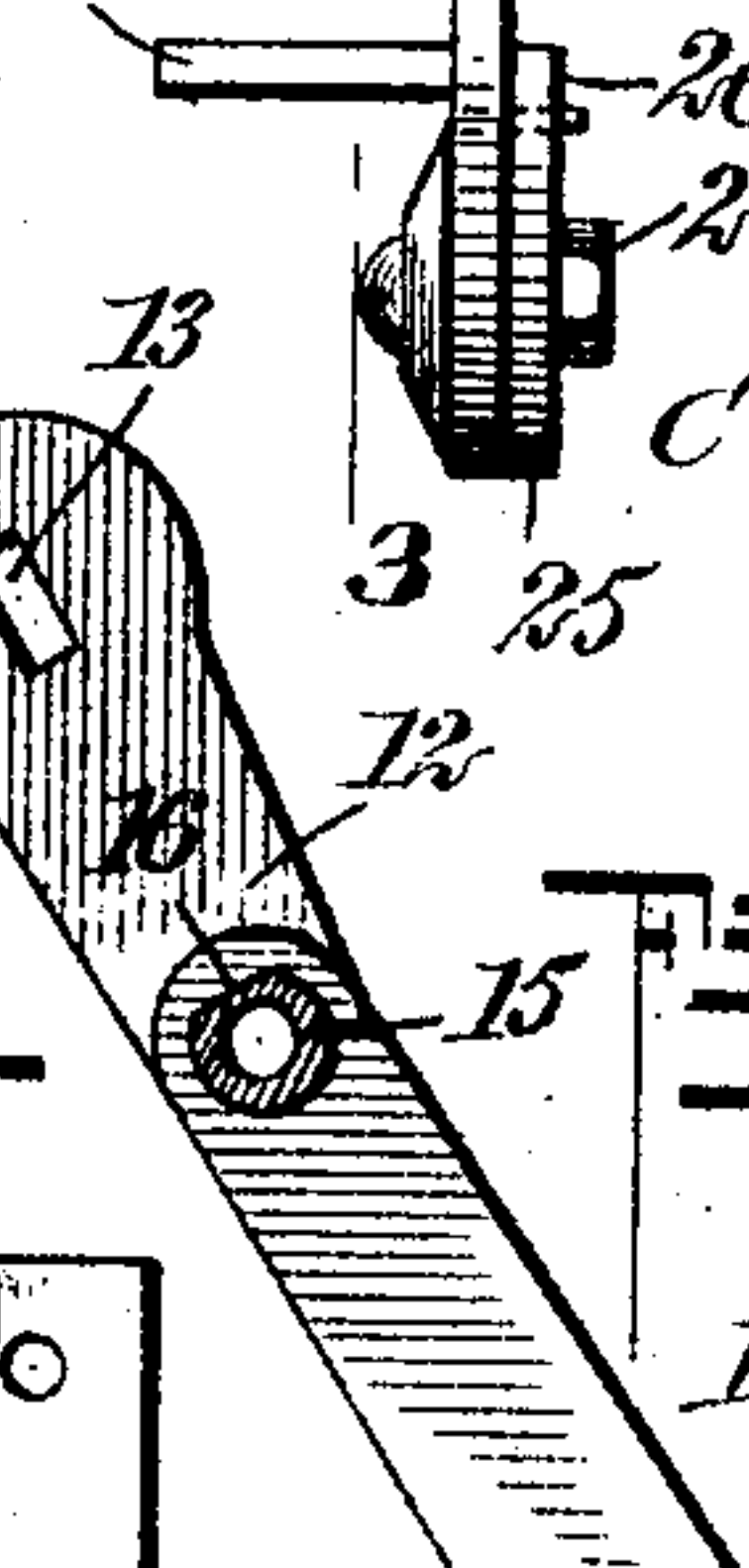
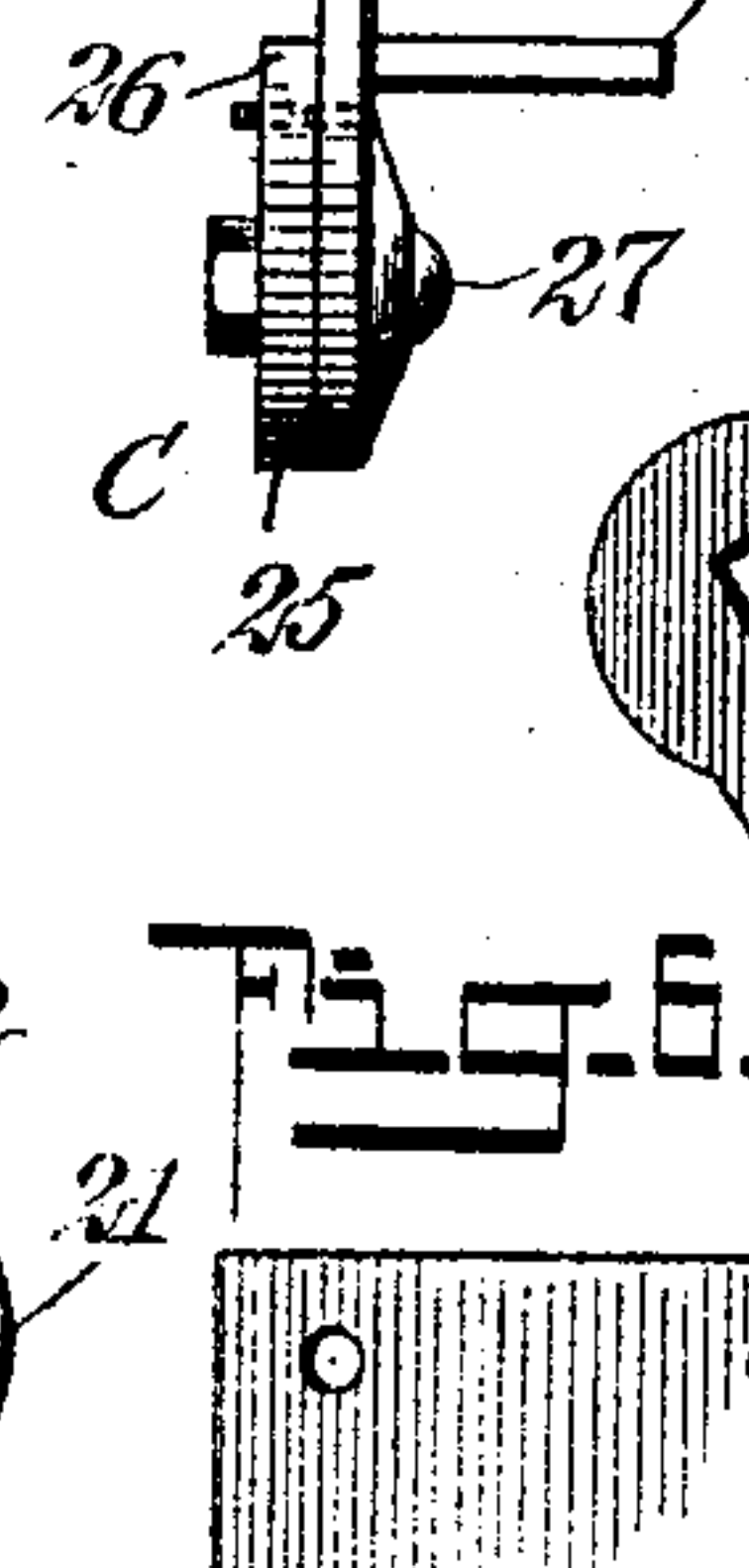
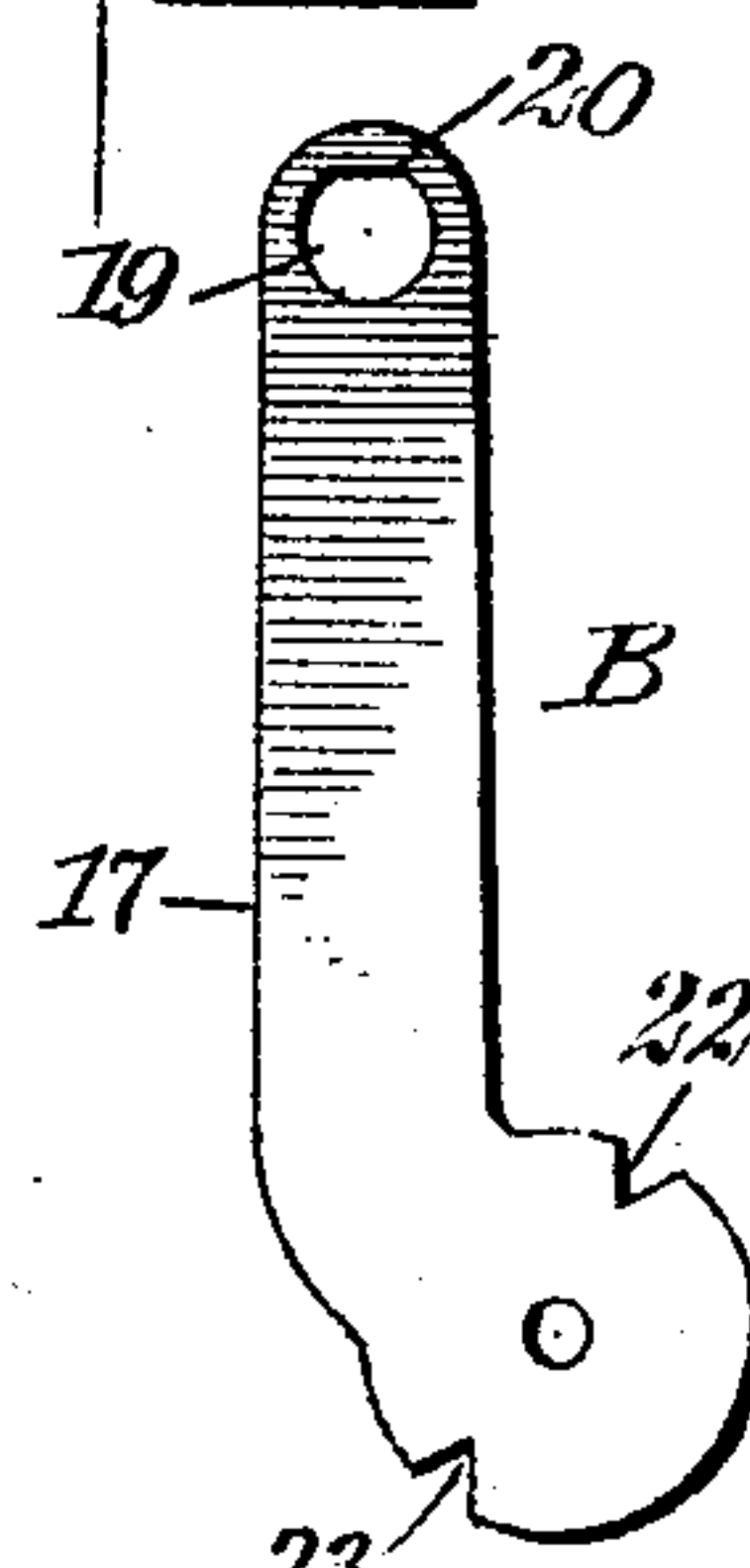
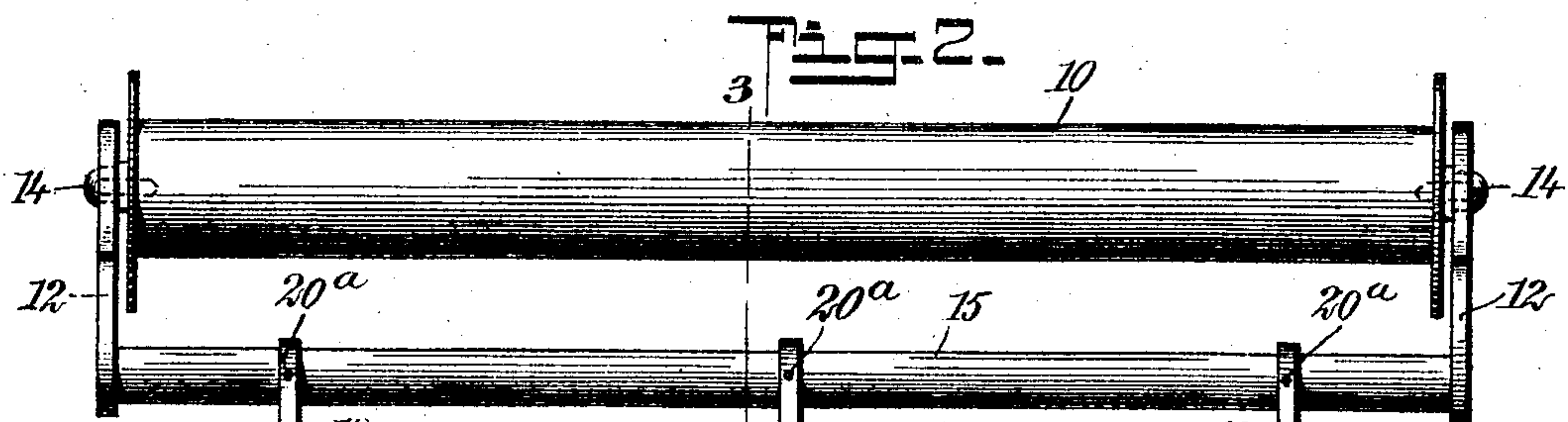
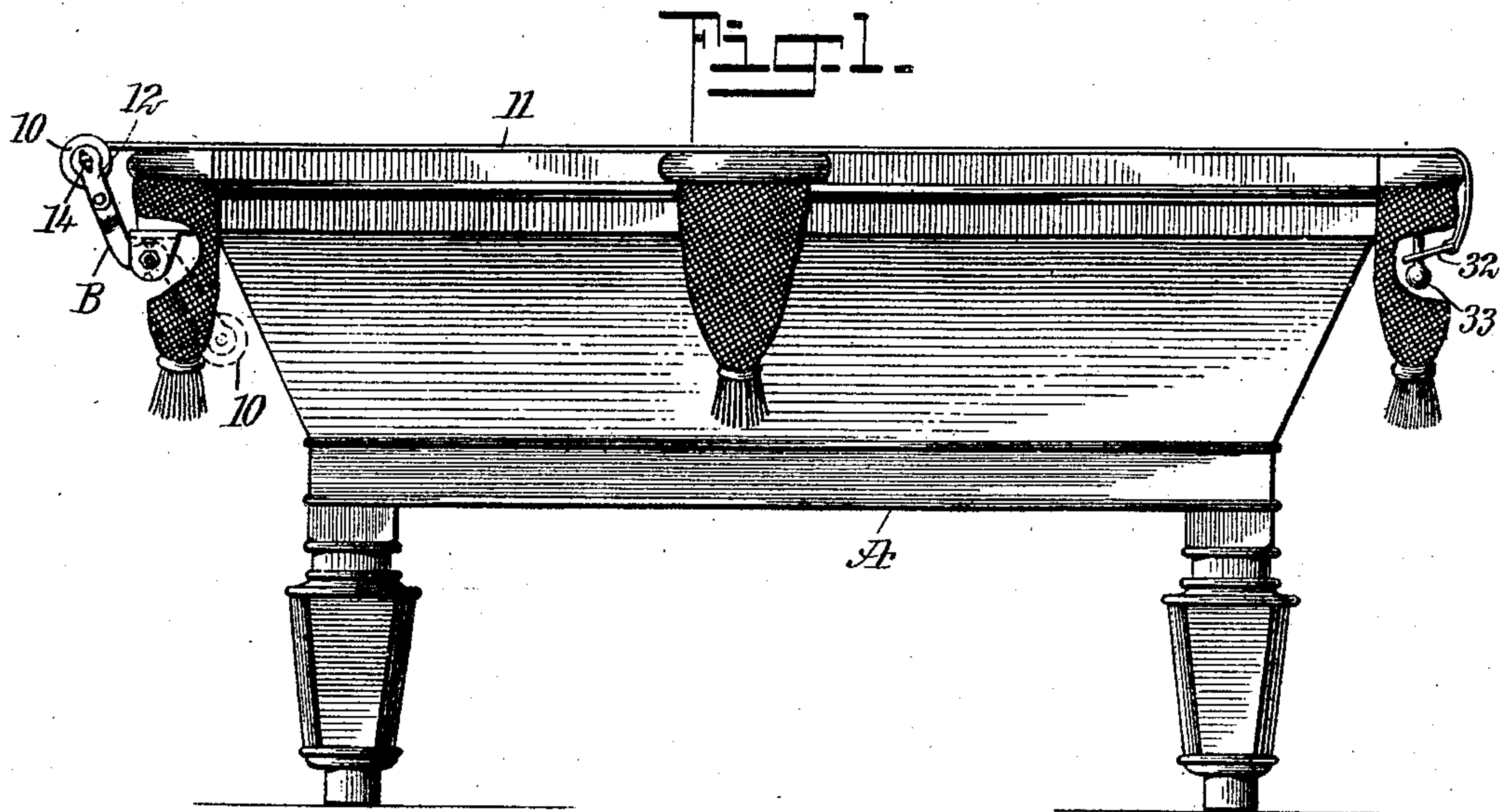
No. 847,246.

PATENTED MAR. 12, 1907.

L. J. DIRAND.

DUST PROTECTOR FOR POOL AND BILLIARD TABLES.

APPLICATION FILED APR. 26, 1906.



WITNESSES
H. G. Dietrich
Wm. H. Jones

INVENTOR
Louis J. Dirand

BY *Mum & Co*
ATTORNEYS

UNITED STATES PATENT OFFICE.

LOUIS J. DIRAND, OF TORRINGTON, CONNECTICUT.

DUST-PROTECTOR FOR POOL AND BILLIARD TABLES.

No. 847,246.

Specification of Letters Patent.

Patented March 12, 1907.

Application filed April 26, 1906. Serial No. 313,830.

To all whom it may concern:

Be it known that I, LOUIS J. DIRAND, a citizen of the United States, and a resident of Torrington, in the county of Litchfield and State of Connecticut, have invented a new and Improved Dust-Protector for Pool and Billiard Tables, of which the following is a full, clear, and exact description.

The purpose of the invention is to improve upon the construction of the dust-protective cover for which Letters Patent were granted to me April 3, 1906, Patent No. 816,568, which improvements tend to simplify the construction and render the attachment adjustable to different heights of table, enabling the cover in use to lie close to the upper marginal portion of the table, and, further, to so construct the attachment that when not in use it may be dropped to occupy a position entirely out of the way of the players. It is also a purpose of the invention to provide a means for locking the cover-carrying roller in active or in inactive positions.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a side elevation of the pool-table having the improvement applied. Fig. 2 is a front elevation of the protective attachment. Fig. 3 is a section taken practically on the line 3 3 of Fig. 2, the roller for the cover being removed. Fig. 4 is a section taken practically on the line 4 4 of Fig. 3. Fig. 5 is a side elevation of one of the swing-supporting arms of the attachment, and Fig. 6 is a plan view of a bracket for the supporting-arm.

45 A represents a pool-table of the usual type, and the attachment, which is shown in detail in Fig. 2, is applied at one end of the said table. The attachment consists of a spring-controlled roller 10, to which one end of a cover 11 is applied, and said roller is of a length slightly greater than the width of the table A, in connection with which it is to be employed. The roller 10 is mounted to turn between arms 12, which arms 12 are provided with elongated slots 13, and screws 14 or their equivalents are passed through the said

slots and into the ends of the roller 10, rendering the said roller adjustable in its bearings, so that the roller when fixed to the table may be so adjusted as to bring the cover 11 flat in engagement with the upper marginal portion of the table, as is shown in Fig. 1. The bearing-arms 12 are connected at their lower ends, preferably by means of a tube 15, although a rod may be employed for the same purpose, and the said rod or tube 15 is provided with a longitudinal flattened surface 16. The said rod or tube enters correspondingly-formed openings in the lower ends of the bearing-arms 12 and is attached firmly to the arms by solder or other means.

In connection with the rod or tube 15 a series of supporting-arms B is employed. The central supporting-arm is substantially straight, while the outer or end supporting arms are preferably so shaped as to permit the said arms to have the greatest possible bearing at the outer portions of the rod or tube 15, and yet not interfere with the end pockets of the table. Therefore in the construction of the supporting-arms each consists of a straight body 17, which in the construction of the central supporting-arm is straight throughout, as is shown in Fig. 5; but in the construction of the outer or end supporting-arms substantially L-shaped upper projections 18 are formed, as is shown in Fig. 2. In the upper end of each supporting-arm B a circular opening 19 is produced, having a portion of its wall flattened, as is shown at 20 in Fig. 5, and a rod or tube 15 is passed through the openings 19 in the body portions of the supporting-arms B, and the said arms are attached to said rod or tube by solder or by means of screws or pins 20^a, as illustrated in Fig. 2. Each supporting-arm B is provided with a disk or circular head 21 at its lower end offset somewhat from the body 17 of the arm, as best shown in Fig. 5, and in the peripheral portion of each head 21 an upper and a lower preferably V-shaped notch 22 and 23 are produced.

In connection with the head end of each supporting-arm B a bracket C is employed. Each bracket is preferably constructed as is shown in Figs. 4 and 6, wherein a bracket consists of an apertured top plate 24, adapted for attachment to the under portion of the upper overhanging rail of the table, as is shown in Fig. 1, and a downwardly-extending member 25; but a portion of the upper

member 24 of a bracket at one side is carried out, forming a lip 26, and the head-section 21 of a supporting-arm B is pivotally connected to the downwardly-extending member 25 of a bracket C by means of a bolt 27, having a suitable nut 28 applied, the bolt being passed through the central portion of the head of the said supporting-arm, and in order to prevent the bolt 27 from turning, and thus loosening its nut 28, and also in order to hold a supporting-arm in close frictional engagement with its supporting-bracket a spring-washer 29 is employed in connection with each supporting-arm and supporting-bracket, the shank portion of the bolt 27 of the bracket being passed through the central portion of the washer, as is shown in Figs. 2, 3, and 4, and the washers have bearing against the head portions of the supporting-arms B. Each washer is provided with a spring-finger 30, extending from the upper portion of the washer, and said spring-fingers 30 are made to enter and have free movement in openings 31, made in the vertical members 25 of the said brackets C, as is particularly shown in Fig. 4.

When the roller 10 and its supports are carried to the vertical position shown by full lines in Fig. 1, the roller is held in such position by the tongues 30 entering the upper notches 22 in the heads of the supporting-arms B, and at such time the cover 11 is drawn over the table to its opposite end, and a ring 32, attached to the cover, is made to pass over or engage with a suitable keeper 33, securely fastened to the under overhanging portion at the opposite end of the table, as is clearly shown in Fig. 1. When the cover is to be removed, it is simply disengaged from its keeper 33 and is permitted to wind up upon the roller 10. The roller 10 and its supporting elements are then forced downward to the dotted position shown in Fig. 1 and will lie close to the inclined lower portion at the end of the table, being maintained in

such position by reason of the spring-tongues 30 entering the notches 23 in the heads of the supporting-arms.

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

1. In dust-protectors for pool and billiard tables, brackets, arms pivotally mounted on the brackets, a spring-roller supported by the arms, a cover attached to the roller, and automatically-acting spring locking devices carried by the brackets and engaging with said arms.

2. In dust-protectors for pool and billiard tables, pivoted roller-carriers adapted to occupy an upper and a lower position, automatic means for locking the carriers in either position, a spring-roller mounted to turn in said carriers, and a cover an end of which is secured to the said roller.

3. In dust-protectors for pool and billiard tables, roller-carriers, brackets to which the roller-carriers are pivoted, the brackets limiting the movement of the roller-carriers, a spring-roller mounted between the said carriers, a cover attached to the said roller, and locking devices for the roller-carriers, which locking devices are located on said brackets and act automatically on the roller-carriers.

4. In dust-protectors for pool and billiard tables, brackets, arms pivotally mounted on the brackets, a frame supported by the said arms, a spring-roller mounted to turn in the said frame, a cover attached to the said roller, and automatically-acting spring locking devices carried by the brackets and engaging with said arms.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

LOUIS J. DIRAND.

Witnesses:

CHARLES W. ARCHAMBO,
EUGENE T. O'SULLIVAN.