

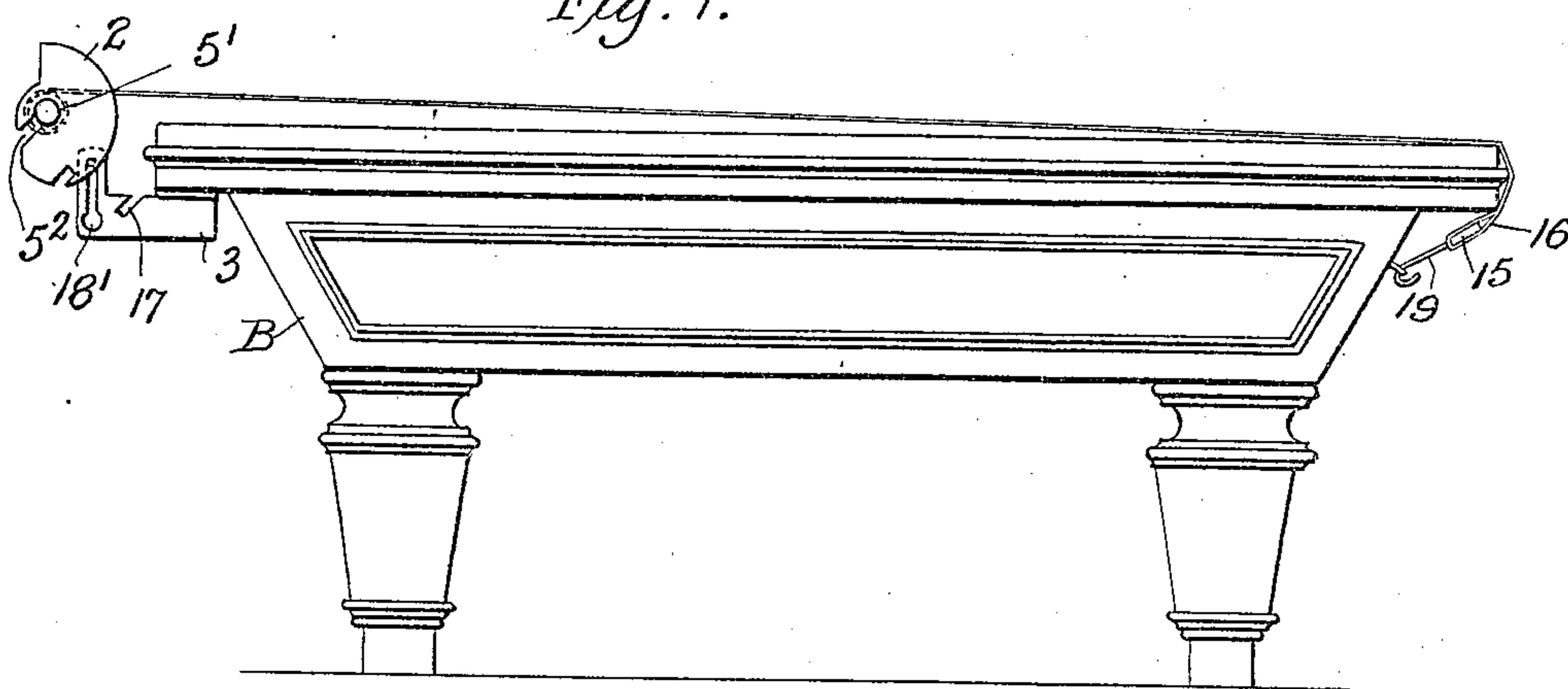
No. 816,568.

PATENTED APR. 3, 1906.

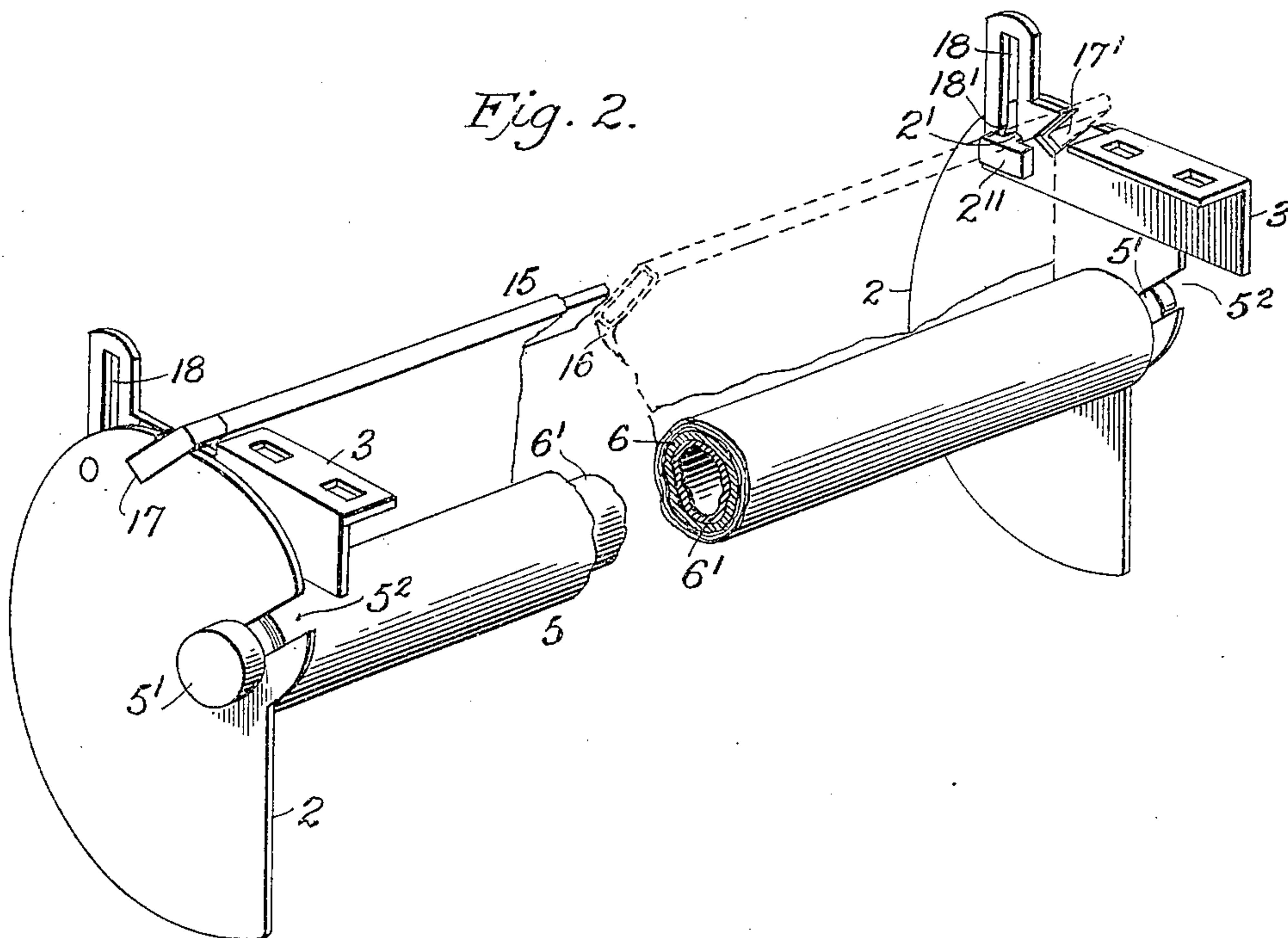
L. J. DIRAND.  
REMOVABLE DUST PROTECTIVE COVER.

APPLICATION FILED NOV. 29, 1904.

*Fig. 1.*



*Fig. 2.*



Witnesses  
James F. Duhamel  
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Louis J. Dirand,  
Inventor,  
By his Attorney, Cha. H. Davids.



# UNITED STATES PATENT OFFICE.

LOUIS J. DIRAND, OF TORRINGTON, CONNECTICUT, ASSIGNOR, BY DIRECT AND MESNE ASSIGNMENTS, TO THE TORRINGTON NOVELTY MANUFACTURING AND SUPPLY COMPANY, OF TORRINGTON, CONNECTICUT, A CORPORATION OF CONNECTICUT.

## REMOVABLE DUST-PROTECTIVE COVER.

No. 816,568.

Specification of Letters Patent.

Patented April 3, 1906.

Application filed November 29, 1904. Serial No. 234,791.

*To all whom it may concern:*

Be it known that I, LOUIS J. DIRAND, a citizen of the United States, residing at Torrington, in the county of Litchfield and State of Connecticut, have invented a new and useful Improvement in Removable Dust-Protective Covers, of which the following is a specification.

This invention relates to means for supporting in position for ready use the removable dust-protective cover of a stand, table, or other article.

For the protection of the surfaces of billiard and pool tables, stands, and other articles of furniture from dust, moisture, &c., cloth or other flexible covers of suitable material are oftentimes used with the disadvantage, however, that they must be unfolded and laid out and when no longer required removed from the table, &c., and refolded. Considerable labor and time thus consumed in applying them to their intended use. The present invention obviates such disadvantages by providing a supporting or holding roller for the cover mounted in a convenient position on the table, &c., and whose construction is preferably a spring-roller, one enabling the cover to be automatically wound up on the roller when so desired.

In the drawings accompanying the present specification, Figure 1 is a side elevation showing a conventional form of table, over the upper surface of which is stretched a cover, one of whose ends engages with a spring-roller, mounted in accordance with the present improvements, upon the table. Fig. 2 is a perspective view of the roller with its shiftable carriers mounted on their supporting-brackets.

Reference characters are relatively alike throughout the drawings.

In a general way the present cover-supporting means may be said to comprise a pair of roller-carriers with which the cover-carrying spring-roller may be removably engaged, and in order that the roller, with the cover wound up thereon, may be moved out of the way when the cover is not in use these roller-carriers are preferably so constructed that they may be shifted either forwardly or backwardly, according as the cover is to be drawn over the surface to be protected or removed

therefrom and placed out of use. In the specific construction of such mounting shown in the drawings, each roller-carrier is shiftable mounted in place, each carrier-forming plate 2 being movably connected by a pin 2', with a corresponding bracket 3 secured in a convenient and proper position beneath the upper surface of the table B. Removably engaged with these carriers 2 2 is a roller 5, whose grooved end studs or pins 5' 5' may fit into slots 5<sup>2</sup> 5<sup>2</sup> in the carriers. I do not contemplate limiting the application of the present invention to any particular construction for this roller, save that I prefer that it shall be of the so-called "spring-roller" type. As a matter of convenience, moreover, and for the ready application of the same under conditions requiring rollers of different length I may make the same of telescopic construction. Its construction in these respects may be substantially as indicated, in accordance with which the exterior or cover-holding member of the roller comprises a pair of telescopic tubes 6 6'.

It has already been stated that the roller-carriers are shiftable forwardly and backwardly. When in their extreme rearward position, the supported roller is out of the way, and when so positioned the carrier may be temporarily locked by dropping the cover-rod 15 (also of telescopic construction) in the loop 16 of the cover into alining notches 17 17' at each side, one in the carrier and the other in the bracket on which the carrier is mounted.

The satisfactory manipulation of the device is enhanced by having the roller-carriers of comparatively small size and yet enabling the roller when shifted from its position of disuse (except as a holder for the wound-up cover) to its position of use to be placed well above the table. It is also desirable that the roller should be more or less firmly held in this latter position. For this purpose each pin 2' is provided with a head 2'' and is of angular cross-section, having parallel sides adapting it to slide lengthwise of an upright slot 18 in the corresponding carrier. Each slot 18 terminates at its lower end in an enlarged portion 18', permitting the pin to turn, and thus enabling the carriers connected by the engaged rollers to be swung upward or



downward about the axis defined by the pins. By reason of the parallel-sided cross-sectional configuration of the pins the carriers, &c., are automatically locked when the pins  
 5 are moved toward the opposite or narrower ends of the slots. Preferably the roller is held tight as by friction against slipping accidentally out of engagement with the carriers. In this instance the edges of the roller-receiving  
 10 slots are bent to press against walls at the sides of the grooves in the roller end pieces.

The proportions and relation of the roller-spring are such as to enable it to wind up on the roller the entire length of cover when the  
 15 hook 19 on the latter is released from its holding means at the opposite end of the table. When so conditioned, the roller and its carriers may be swung backward out of the way and the cover-rod dropped in its locking  
 20 position as aforesaid.

I claim as new and as my invention—

1. The combination of a pair of pivoted roller-carriers, a spring-roller mounted on said carriers, a cover one of whose ends is se-  
 25 cured to said roller, and means for holding the cover distended against the tension of said roller when the cover is drawn over the article.

2. The combination of a pair of pivotally-  
 30 mounted roller-carriers, a pin-and-slot connection for mounting said carriers, a telescopic spring-roller mounted on said carriers, a cover one of whose ends is secured to said roller, a cover-rod at the opposite end of the  
 35 cover, and a cover-holding hook.

3. The combination of a pair of brackets, a pair of pivoted roller-carriers, a pin-and-slot connection between said carriers and said brackets, a spring-roller mounted on said carriers, and a cover-holding hook. 40

4. The combination of a pair of brackets, a pair of roller-carriers, a pin-and-slot connection between said carriers and said brackets, a spring-roller mounted on said carriers, a cover-holding hook, and a cover-rod, said  
 45 brackets and carriers having alining notches substantially for the purpose set forth.

5. The combination of a pair of brackets, a pair of pivoted roller-carriers having a combined pivotal and translatable connection 50 with said brackets, a spring-roller mounted on said carriers, and means for locking the parts in their adjusted positions.

6. The combination of a pair of brackets, a pair of roller-carriers having a combined piv- 55 otal and translatable connection with said brackets, a telescopic spring-roller mounted on said carriers, a cover connected to said roller, a telescopic cover-rod at the opposite end of the cover, and a hook at such end, said  
 60 carriers and brackets having alining notches substantially for the purpose set forth.

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

LOUIS J. DIRAND.

Witnesses:

HOMER R. SCOVILLE,  
 CHARLES ARCHAMBO.