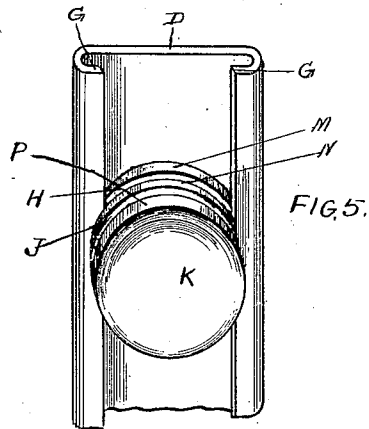
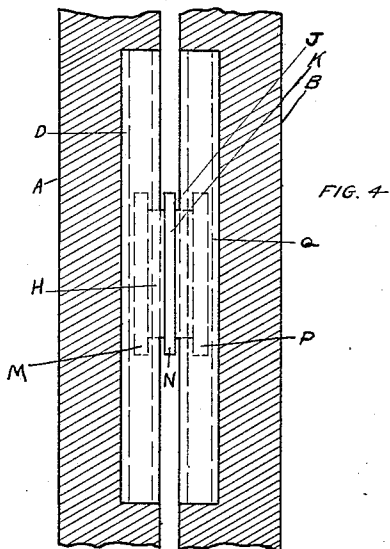
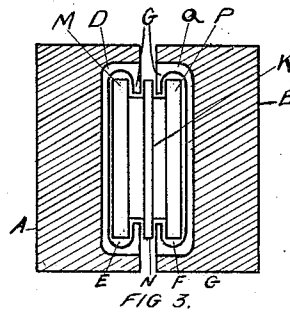
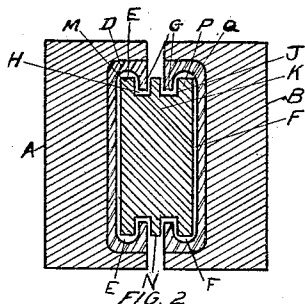
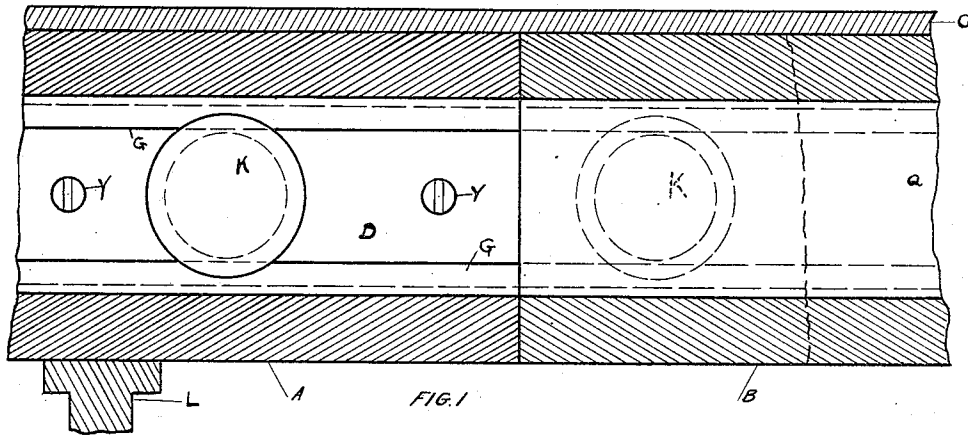


B. H. CARNOVSKY.
 ANTIFRICTION SLIDE FOR EXTENSION TABLES.
 APPLICATION FILED OCT. 21, 1911.

1,057,706.

Patented Apr. 1, 1913.



WITNESSES:
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BYRON H. CARNOVSKY, OF DETROIT, MICHIGAN.

ANTIFRICTION-SLIDE FOR EXTENSION-TABLES.

1,057,706.

Specification of Letters Patent.

Patented Apr. 1, 1913.

Application filed October 21, 1911. Serial No. 655,829.

To all whom it may concern:

Be it known that I, BYRON H. CARNOVSKY, who am a citizen of the United States, residing at Detroit, Wayne county, Michigan, have invented a certain new and useful Improvement in Antifriiction-Slides for Extension-Tables, and declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

The invention relates to anti-friction slides for extension tables, and has for its object an improved device of this type adapted to greatly reduce, if not entirely prevent, the objectionable binding and lack of slidability between the lengthwise frame pieces, which so often makes the lengthening or shortening of an extension table, which employs extra, removable leaves, a matter of so much difficulty and effort.

In the drawings:—Figure 1 is an elevation, partly in section, showing the relative position of the parts of two adjacent slides and their attached metal parts. Fig. 2 is an elevation, largely in section, at right angles to that of Fig. 1, along the line *a— a* thereof. Fig. 3 is a sectional elevation along the line *b— b* of Fig. 1. Fig. 4 is a perspective, showing one of the metal facings for the slide pieces and one of the bearing rollers. Fig. 5 is a sectional plan view, of the slide pieces with the table leaves removed and some of the interior parts shown in dotted lines.

A and B represent a pair of slide pieces of an extension table, on whose top are adapted to rest the leaves C. In the cut away portions E and F of their adjacent lateral faces are secured, by screws or pins, metal track pieces D and Q, the upper and lower edge of which are bent over so that cross-sectionally it resembles a hook at each edge. The tips of these hooked edge portions G engage in valleys or grooves H and J in the periphery of the spools or rollers K, of which there are preferably two between each slide piece, so spaced from one another in the first instance that when the table is drawn out to its maximum extent they will be sufficiently apart from one another, and their adjacent track pieces D and Q on either side will overlap sufficiently, to maintain the com-

pound slide piece composed of the parts A and B in desired rigidity of alinement. Between and on each side of these valley portions H and J on the roller are located the ribs or ridges M N and P. The central ridge N, while not absolutely essential, serves to keep the track pieces D and Q from frictional engagement with one another along their bent over edge portions G. The pulling of the slide members too far apart may be prevented by suitably placing stop members or pins that need not be here illustrated.

While I have illustrated a device wherein the sides of the slide pieces are grooved, as at E and F, to neatly and compactly receive the track pieces, it is obvious that the principle herein disclosed could be used advantageously if the track pieces were placed on the plane, unfurrowed sides of slide pieces, though the completed article would lack the finished, compact appearance here attained. Similarly, slight changes in the form of the track pieces or roller, without departing from the spirit of my invention, are possible.

What I claim is:—

1. In an extension table, the combination of a plurality of longitudinal frame pieces arranged in closely adjacent parallel relation and capable of relative lengthwise movement, the opposing lateral faces of said pieces being complementarily grooved, metal track pieces whose central portions are attached to the faces of said grooves, and whose top and bottom edges are bent over so as to lie opposite to one another in substantially the same vertical plane as the lateral faces of said frame pieces above and below said grooved portions, and roller members whose peripheral faces are in the form of a plurality of alternating annular ridges and grooves, between and within which said bent over top and bottom edges of the metal track pieces engage, thereby slidably correlating the several frame pieces in positions of parallelism and uniform close proximity, substantially as described.

2. In an extension table, the combination of a series of parallel frame pieces whose respective opposing lateral faces are longitudinally grooved, metal track pieces having inbent and overengaging lateral edges, secured within said grooved portions of the frame pieces within the planes of the respec-

5 tive lateral faces thereof, and plurally grooved roller members interposed between the several track pieces as thus arranged, with their encircling ridges at each end engaged by the overengaging edges of the metal track pieces, thereby holding said frame pieces against sidewise movement away from one another, though slidably ca-

pable of relative lengthwise movement, substantially as described.

10 In testimony whereof, I sign this specification in the presence of two witnesses.

BYRON H. CARNOVSKY.

Witnesses:

WILLIAM M. SWAN,

JEFFERSON G. THURBER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."