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V. V. KMIELIAUSKAS  
TELESCOPING DRUM

2,546,452

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Fig. 1

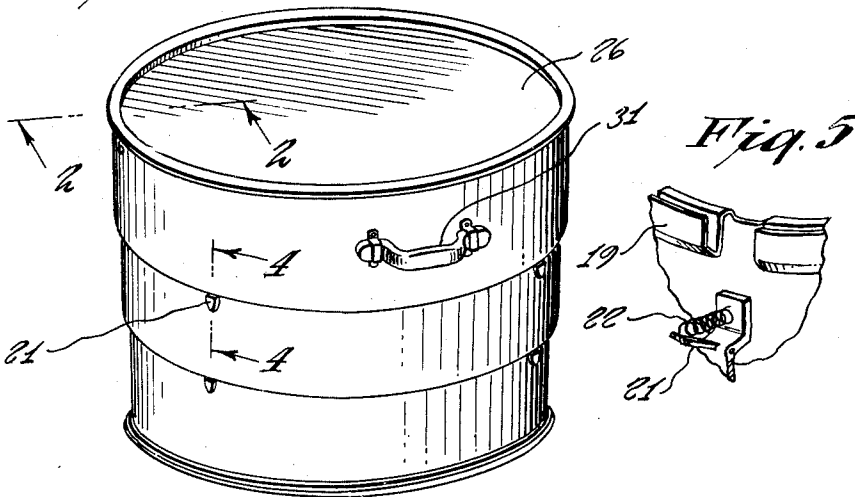


Fig. 5

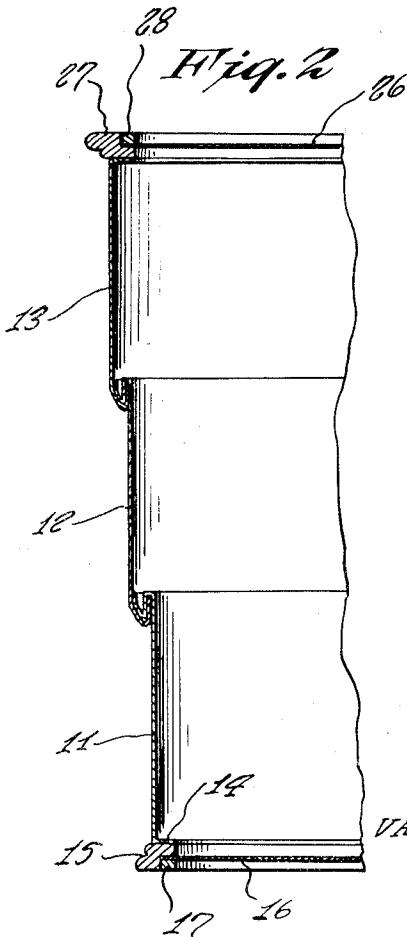


Fig. 2

Fig. 3

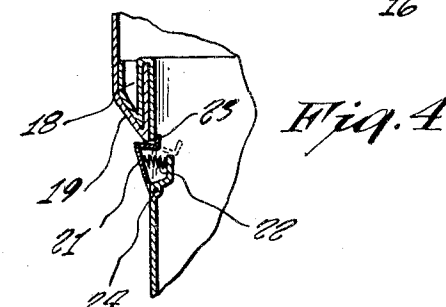
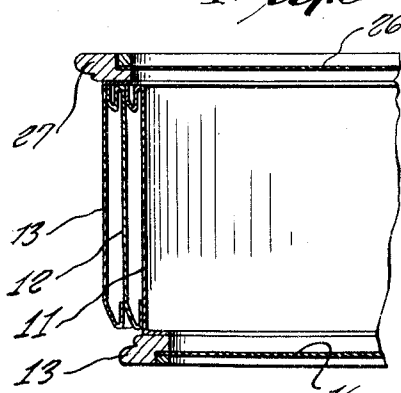


Fig. 4

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# UNITED STATES PATENT OFFICE

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## TELESCOPING DRUM

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1 Claim. (Cl. 84-412)

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This invention relates to a telescoping drum. It is an object of the present invention to provide a drum of the telescoping type wherein the parts of the drum can be expanded when the drum is to be used or collapsed at times when the drum is to be transported thereby to overcome the complaint of drummers as to the bulkiness of drums and so that they can be conveniently transported or stored.

Other objects of the present invention are to provide a telescoping drum which is of simple construction, inexpensive to manufacture, easy to adjust, compact, sturdy, convenient to use and efficient in operation.

For other objects and for a better understanding of the invention, reference may be had to the following detailed description taken in connection with the accompanying drawing, in which

Fig. 1 is a perspective view of the drum with the parts thereof extended.

Fig. 2 is a vertical sectional view taken on line 2-2 of Fig. 1.

Fig. 3 is a vertical sectional view of the drum parts when they have been collapsed.

Fig. 4 is an enlarged vertical sectional view taken on line 4-4 of Fig. 1 and through the spring press latch.

Fig. 5 is a fragment showing the construction of each of the drum parts about the portion where the latch engages to prevent the collapsing of the drum parts.

Referring now to the figures; 10, 11, 12 and 13 represent respectively the drum wall parts, collapsible into one another. The part 11 has a bottom inwardly extending flange 14 to which there is connected a rim 15. In this rim 15 there is fixed a drum diaphragm 16 by a snap ring 17. The upper end of the part 11 has a flange 18 which is shaped to depend downwardly and outwardly of the top of the drum part to receive an inwardly bent hook-like flange 19 of the part 12 thereabove. These flanges, when coupled together, will prevent the outward movement of the drum parts. In order to keep these drum parts from moving inwardly upon one another, there is provided a spring latch 21 adapted to be pressed inwardly through an opening and against the action of a spring 22 in order to clear the inwardly bent flange 19. The outward movement of the latch is prevented by an upwardly bent projection 23, Fig. 4. The latch 21 is hinged, as indicated at 24, upon the drum part.

The drum parts 12 and 13 are similarly connected together by flanges and the latches 21. There may be a plurality of these latches extending about the drum.

A drum diaphragm 26 is connected to the top

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drum part 13. The diaphragm 26 is attached to the rim portion 27 by a snap ring 28. A handle 31 is connected to the drum part 13 and by this handle the drum can be carried. The shell of the drum can be made of plywood or sheet metal, the sheet metal being preferred because of the lightness and durability of the same. These drum parts can be made of aluminum, and not only would they be strong and durable, but they would also be extremely light and very portable.

In Fig. 5, there is shown a fragment of the lower drum wall part 11 which is broken away at the flange to allow the portion 22 on the intermediate part to slide downwardly without interference from the flange.

While various changes may be made in the detail construction, it shall be understood that such changes shall be within the spirit and scope of the present invention as defined by the appended claim.

Having thus set forth and disclosed the nature of my invention, what is claimed is:

A telescoping drum comprising drum parts adapted to telescope into one another, flange portions on the drum parts adapted to cooperate with one another to prevent the outward movement of the drum parts after they have been extended to the desired positions, flange portions on an inner part extending radially outwardly and downwardly and upwardly, the flange portion on an outer part extending radially inwardly and upwardly to engage with the flange of the other part in a hook-like fashion, latch elements disposed about the drum parts and adapted to engage with the inwardly extending flange portion of the outer part to hold the same elevated within the flange portion of the inner part, drum diaphragms disposed at the outer ends of the parts on the ends, means for securing these drum diaphragms to the parts, said latch elements being pivoted to the respective parts, an inwardly struck projection on the part adjacent the latch, a spring disposed between the latch element and the projection, the flange portion of an inner part being cut away whereby to permit the passage of a struck projection of another part as the parts telescope upon each other.

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### REFERENCES CITED

The following references are of record in the file of this patent:

### UNITED STATES PATENTS

Number	Name	Date
673,633	Boulanger	May 7, 1901
1,768,438	Clark	June 24, 1930