Jan. 9, 1940. W. JONAS 2,186,913

COLLAPSIBLE ADVERTISEMENT STAND WITH LETTER BALANCE

Filed Nov. 26, 1937

Fig. 1

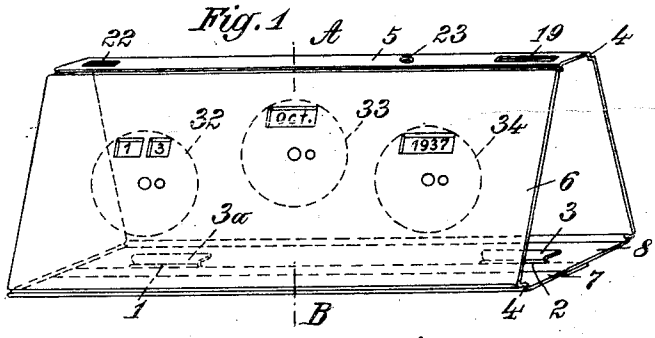


Fig. 2

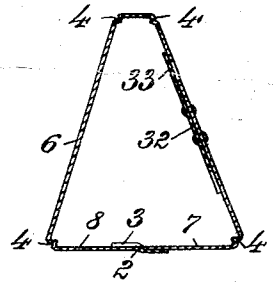


Fig. 3

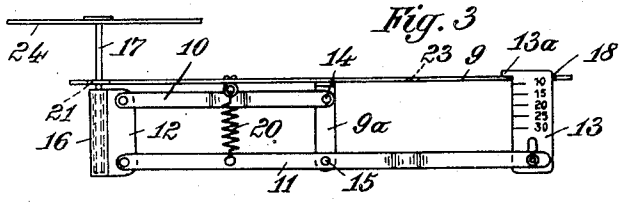


Fig. 5

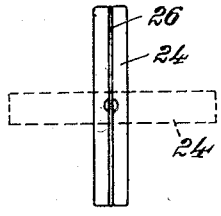


Fig. 4

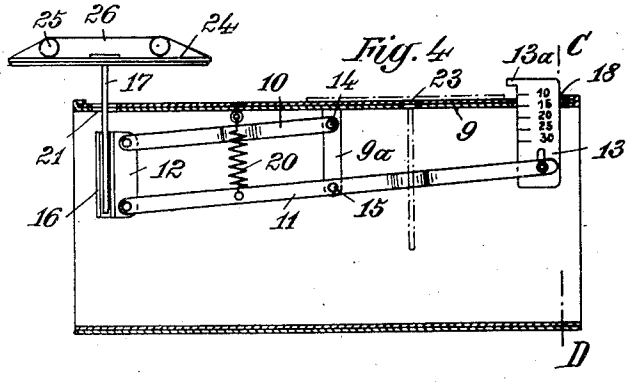


Fig. 6

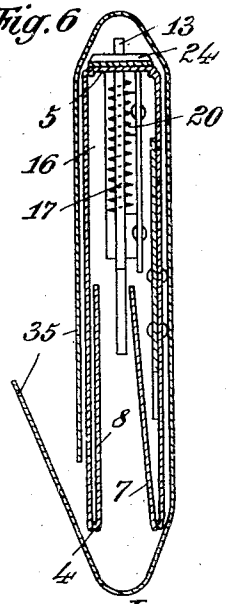
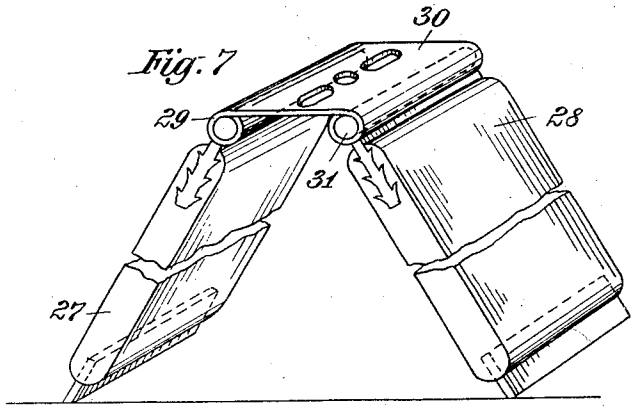


Fig. 7



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COLLAPSIBLE ADVERTISEMENT STAND WITH LETTER BALANCE

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Application November 26, 1937, Serial No. 176,615
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3 Claims. (Cl. 40—28)

This invention relates to a collapsible advertisement stand in which a letter balance equipped with an interchangeable and collapsible letter carrier is fixed and suspended so that the stand with the letter balance can be dispatched in an ordinary envelope.

The stand for advertisements with the letter balance is illustrated, by way of example, in the accompanying drawing in which

Fig. 1 shows, without letter balance, in perspective view the casing-like stand made of a strip of card board, the ends of which are secured in position.

Fig. 2 is a cross-section on line A—B of Fig. 1.

Fig. 3 shows the letter balance without the stand.

Fig. 4 shows the advertisement stand and the letter balance ready for use.

Fig. 5 shows in top plan view the carrying plate of the letter balance detached and collapsed.

Fig. 6 shows the collapsed stand and letter balance in an envelope in cross-section on line C—D of Fig. 4.

Fig. 7 shows in elevation an advertisement stand of modified construction.

The stand for advertisements consists of a strip of card board which has longitudinal score lines 4 along which it is to be folded so that it forms in the folded state a tent-like casing open at both ends and comprising a flat top part 5, front and rear walls 6 and a bottom part 7—8. Near one end of the card board strip two longitudinal slits 1 and 2 are made and on the opposite end tongue-like flaps 3, 3a are provided which, when the card board strip is folded to form the tent-like casing, are to be inserted through the corresponding slits 1 and 2.

On the portion of the card board strip destined to form the top part 5 of the stand a bar 9, having longitudinal slits 19, 22, near each end and a hole 23, is fixed by rivets. This bar 9 serves to reinforce the top part 5 and further as carrier for a vertical rod 9a on which the rods 10, 11, 12 and 13 are hingedly mounted which form the letter balance.

These rods 9a, 12, 10 and 11 form a parallelogram, the two longitudinal sides 10 and 11 of which being placed over pins 14 and 15 of the vertical bar 9a.

The hinged bar 12 at one end of the parallelogram is sleeve shaped and destined to hold the vertical rod 17 of the letter carrier 24.

The right hand end of the lower rod 11 of the parallelogram, extending beyond the hinge pin 15, is fixed to a flat piece 13 of suitable material on which the graduations are marked. This piece 13 engages in the slot 19 of the top wall of the stand and has a tongue 13a at its upper end.

The parallelogram 9a, 10, 12, 11 is also attached to the bar 9 by a spiral spring 20.

The strip of card board on which the letter balance is mounted is then transformed into a stand by folding as shown in Fig. 4.

If a letter is placed on the cross-shaped letter carrier 24, the spring-controlled hinged parallelogram oscillates about the hinge pins 14, 15 so that the letter carrier 24 is lowered and the scale plate 13 moves upward in slit 18 of the top bar 9. The weight of the letter can then be read on the graduation of plate 13 which registers with the upper surface of the top plate 5.

To dispatch the letter balance the rod 17 with the cross formed of bars 24 is removed from the hollow sleeve member 16 and the bars 24 are folded together as shown in Figs. 4 and 5, whereupon the rod 17 can be inserted into the casing or stand through the holes 23 in the top strip 5 and in bar 9. The collapsed arms 24 rest then upon the top part 5 as indicated in dash-dot line in Fig. 4.

In order to adapt the letter balance for weighing rolls 25, a thin rubber ring 26 is placed on one of the intersecting bars 24. For weighing rolls this rubber ring 26 is lifted at one side so that the rolls 25 can be slipped under this rubber ring.

This combined letter balance and advertisement stand presents the advantage that, owing to the cheap and light construction, it can be dispatched in an ordinary envelope 35 without the envelope being damaged by the letter balance.

On the back of that part of the card board strip which forms the front wall of the erected stand three rotatable discs 32, 33, 34 are mounted so that they can be rotated. These discs bear, the first one the numerals to indicate the day of the month, the second one the names of the months and the third one 34 the number of the year which appear behind corresponding windows in the card board strip.

In the modified form of construction shown in cross-section in Fig. 7 the casing consists of coloured plates 27, 28 of artificial resin or of press material.

The hinge eyes 29 serving for connecting the two plates 27, 28 are embedded in the material and they are connected the one with the other by a narrow hinge band by means of bolts 31.

To prevent the stand from slipping rubber strips 35 are fixed on the lower ends of plates 27, 28.

We claim:

1. The combination of a collapsible advertisement stand with a letter balance adapted to be dispatched in an envelope said letter balance consisting of a horizontal carrier bar, a vertical bar fixed to the under side of said carrier bar, two hinge pins on said vertical bar, a long horizontal bar hingedly mounted intermediate its lengths on the lower hinge pin of said vertical bar, a short horizontal bar hingedly mounted at one end on the upper hinge pin on said vertical bar, a vertical connecting bar hingedly connecting the other end of said short horizontal bar to one end of said long horizontal bar, a sleeve formed at the side of said vertical connecting bar, a letter plate, a pin projecting from the under side of said letter plate and removably inserted in said sleeve, an eye on the under side of said horizontal carrier bar, a spring connecting said eye to said long horizontal bar at a point intermediate said hinge pin and said vertical connecting bar, a vertical scale plate on the free end of said long horizontal bar and bearing a scale, and a hollow base carrying said horizontal carrier bar and having at its upper end an aperture for the passage of the pin of said letter plate and a slot forming on the one hand a guide for said vertical scale plate and on the other hand an indicator for reading the scale on said scale plate.

2. In a letter balance as specified in claim 1, the letter tray consisting of two intersecting bars secured to the upper end of the letter tray pin at their point of intersection, one bar being fixed and the other pivotable, and a thin rubber ring placed on one of said intersecting bars for holding articles on the tray.

3. In a letter balance as specified in claim 1, the hollow base forming the advertising stand and consisting of a piece of cardboard separated by four longitudinal score lines so that it can be folded to form a tent-like casing composed of a top plate adapted to carry the carrier bar and having the apertures for the passage of the letter tray pin and the scale plate, a front wall, a rear wall and a bottom plate.

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