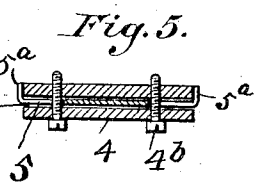
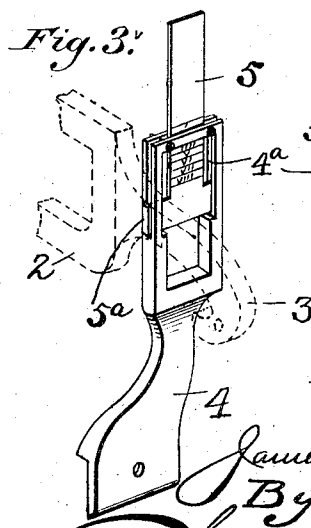
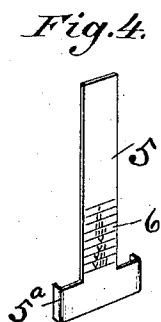
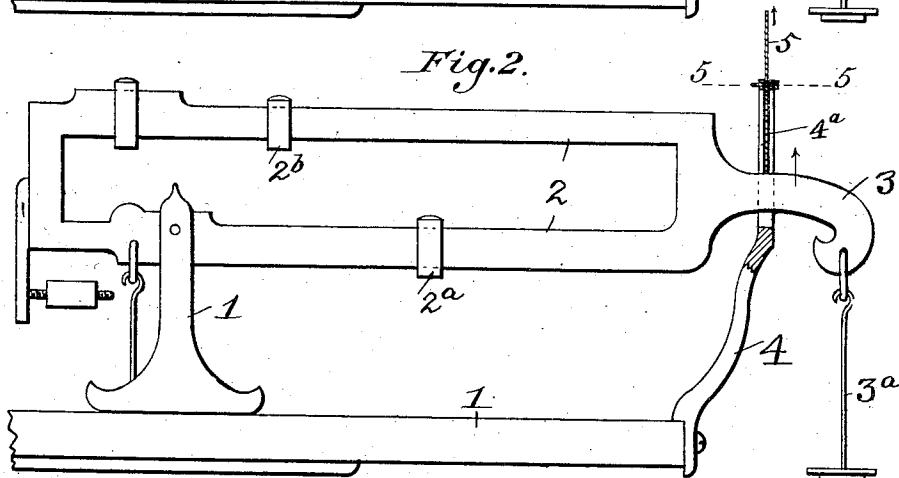
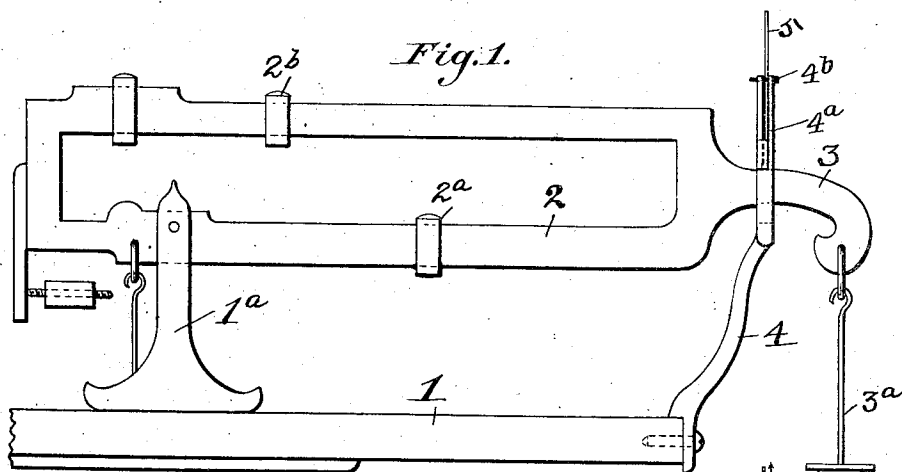


No. 834,258.

PATENTED OCT. 30, 1906.

J. L. BRYAN.
ATTACHMENT FOR PLATFORM SCALES.
APPLICATION FILED MAR. 2, 1906.



Witnesses:

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UNITED STATES PATENT OFFICE.

JAMES L. BRYAN, OF HOT SPRINGS, ARKANSAS.

ATTACHMENT FOR PLATFORM-SCALES.

No. 834,258.

Specification of Letters Patent.

Patented Oct. 30, 1906.

Application filed March 2, 1906. Serial No. 303,930.

To all whom it may concern:

Be it known that I, JAMES L. BRYAN, a citizen of the United States, residing at Hot Springs, in the county of Garland and State of Arkansas, have invented a new and useful attachment for platform-scales to indicate to salesmen the amount of overweight of any article placed upon the said scales, of which the following is a specification.

This invention is an improvement in platform and counter scales generally having a graduated beam or lever provided with sliding or adjustable weights; and the object of this invention is to enable the amount weighed to be determined with the utmost exactness and the loss due to the overweight usually made on such scales, owing to the extent of vibration allowed the beam, to be obviated by providing a device which will show exactly how many ounces overweight is on the scale when the beam lifts, thus enabling the operator to remove the surplus until the exact weight of material is on the scale.

The invention will be fully understood from the following description, and illustration in the accompanying drawings, which form part of this specification and which illustrate one practical form of the invention applied to a well-known kind of scale-beam.

In said drawings, Figure 1 is a side elevation of part of a scale, showing the scale-beam and the overweight-indicating device. Fig. 2 is a similar view showing the overweight-indicating device in section. Fig. 3 is a perspective view of the overweight devices. Fig. 4 is a perspective view of the overweight-indicating slide. Fig. 5 is an enlarged section on line 5 5, Fig. 2.

In the drawings, 1 designates the frame of an ordinary scale, of any suitable construction, having a standard 1^a, to which is pivoted the beam 2, which is shown as a double beam, of ordinary construction, having adjustable weights 2^a 2^b thereon and provided with a weight-suspending device 3^a on its free outer end, while its inner end is provided with counterpoises and connected to the scale-levers in the usual manner. (Not shown.)

The free end 3 of the beam is ordinarily guided in a slotted member 4, which may be constructed as illustrated in the drawings, and has a slot 4^a in its upper end above the

end 3 of the beam and transverse to the opening in the part 4, through which the end 3 passes, and in this slot 4^a is guided the lower end of an overweight-indicating slide 5, which may be of any suitable construction, but, as shown, has a T-shaped lower end, the arms of the T extending through the slots 4^a and bent, as at 5^a, so as to prevent lateral displacement of the indicator-slide, and the stem of the slide projects or is adapted to project above the end of part 4 and may be guided between screws or pins 4^b, attached to the upper end of part 4, as shown, the essential feature of the construction being the provision of a freely-movable indicator above the beam and in position to be actuated thereby when the beam rises. The slot 4^a terminates slightly above the top of part 3 when the beam is in its lowest position, with part 3 resting upon member 4, so that the slide will not be affected until the beam rises above the proper point for showing exact weight. Then as the end 3 rises above the exact point it raises the indicator-slide and brings into view an index 6 thereon, which index is formed of transverse scores, numbered consecutively from top to bottom, so that as the slide rises the amounts of overweight can be read in ounces by the numbers appearing on the index-scale.

Figs. 1 and 2 show the beam at exact-weight position. Fig. 3 shows the beam with one ounce overweight, indicated by the scale-numeral appearing above the top of member 4.

The simplicity and utility of the invention is obvious, and I do not care to be restricted to the precise form and construction of parts shown, as it can be modified to suit different styles of scales.

Having thus described my invention, I claim—

1. The combination with a scale-beam, a member having a slot through which the free end of the beam extends; and a guide-slot for an indicator-slide; with an overweight-indicator slide playing in said guide-slot in said member above the scale-beam and adapted to be raised by excessive movement of the scale-beam, substantially as described.

2. In combination with a scale-beam, a member arranged adjacent the beam and

having a guide-slot for an indicator-slide
above the beam; with an indicator-slide
loosely confined in said slot, and adapted to
be raised by excessive upward movement of
5 the beam, said slide being provided with an
index-scale, for the purpose and substan-
tially as described.

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

JAMES L. BRYAN.

Witnesses:

GEO. G. LATTI,
F. McKEOGH.