

No. 659,910.

Patented Oct. 16, 1900.

L. W. BALDWIN.

DIAL FACE FOR WEIGHING MACHINES.

(Application filed Jan. 19, 1900.)

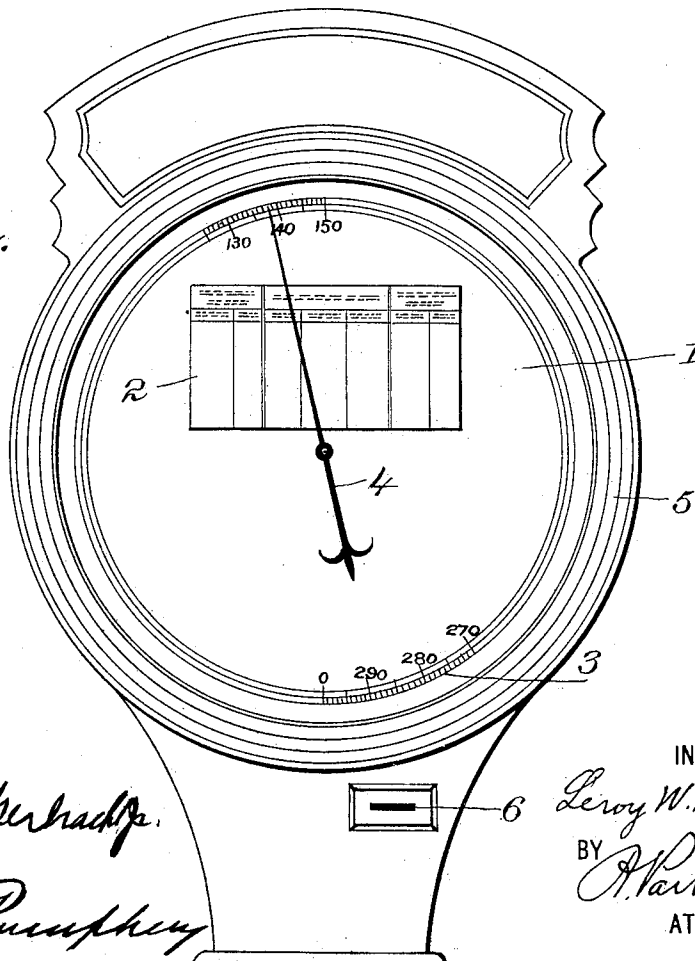
(No Model.)

2 Sheets—Sheet 1.

Fig. 1.

What You Should Weigh.						
Average Weight of Men.		Average Weight of Children.			Average Weight of Women.	
Height	Weight	Age	Boys	Girls	Height	Weight
5 ft 1 in	120 lbs	5 yrs	45 lbs	40 lbs	4 ft 10 in	108 lbs
5 " 2 "	125 "	6 "	50 "	43 "	4 " 11 "	112 "
5 " 3 "	130 "	7 "	53 "	44 "	5 " 0 "	114 "
5 " 4 "	135 "	8 "	57 "	52 "	5 " 1 "	118 "
5 " 5 "	141 "	9 "	62 "	57 "	5 " 2 "	123 "
5 " 6 "	145 "	10 "	67 "	62 "	5 " 3 "	126 "
5 " 7 "	150 "	11 "	72 "	69 "	5 " 4 "	129 "
5 " 8 "	154 "	12 "	78 "	78 "	5 " 5 "	133 "
5 " 9 "	159 "	13 "	85 "	89 "	5 " 6 "	137 "
5 " 10 "	164 "	14 "	93 "	98 "	5 " 7 "	142 "
5 " 11 "	169 "	15 "	105 "	106 "	5 " 8 "	146 "
6 " 0 "	175 "				5 " 9 "	150 "
6 " 1 "	181 "				5 " 10 "	154 "
6 " 2 "	188 "				5 " 11 "	158 "

Fig. 2.



WITNESSES:

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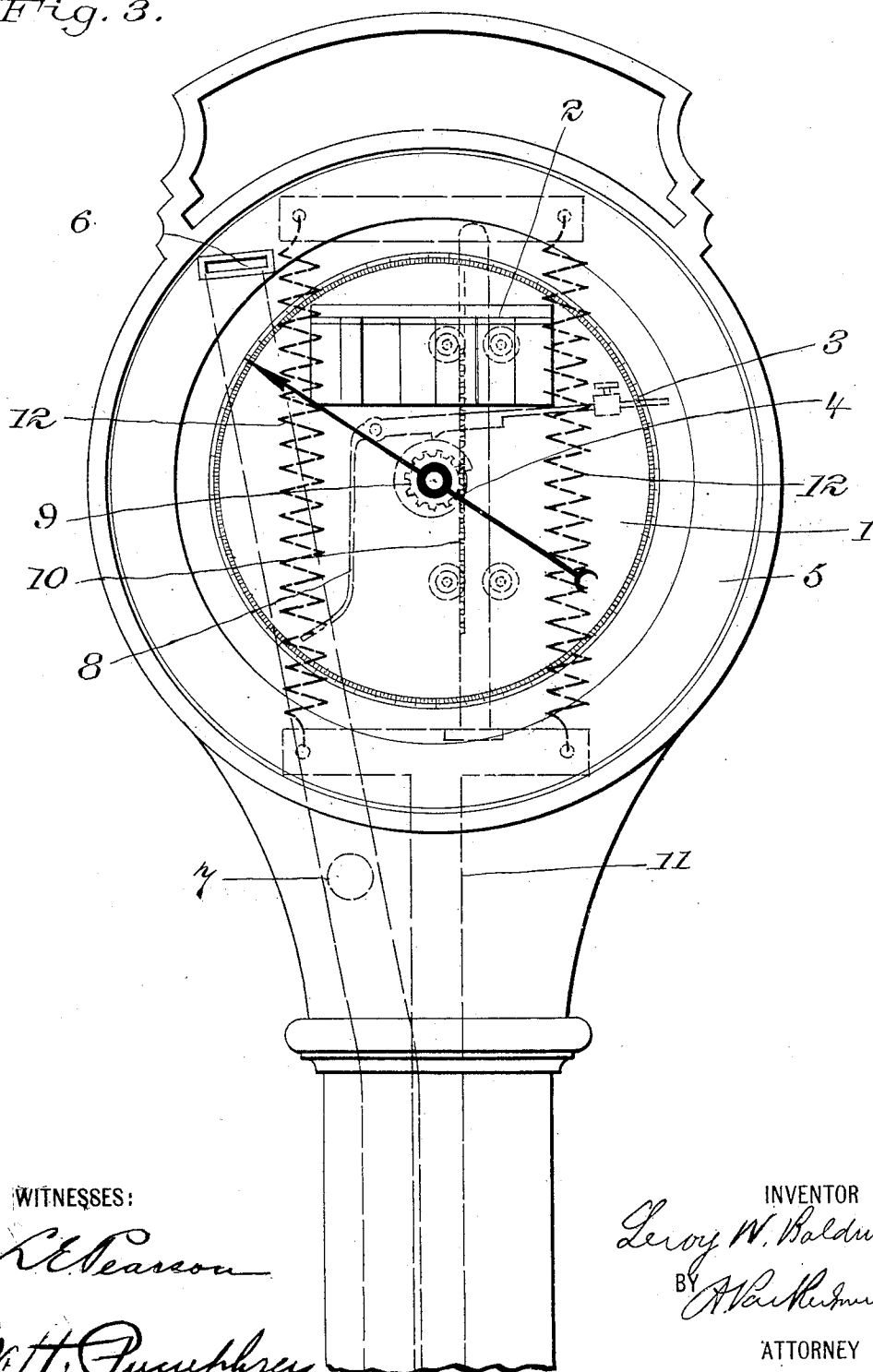
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2 Sheets—Sheet 2.

Fig. 3.



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DIAL-FACE FOR WEIGHING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 659,910, dated October 16, 1900.

Application filed January 19, 1900. Serial No. 1,965. (No model.)

To all whom it may concern:

Be it known that I, LEROY W. BALDWIN, a citizen of the United States of America, and a resident of New York, county of New York, State of New York, have invented certain new and useful Improvements in Dial-Faces, of which the following is a specification.

My invention relates generally to weighing-machines; and it more specifically consists of a weighing-machine having printed on its exterior a table showing the normal weights of persons of different stature.

My invention finds its most useful application to coin-operated weighing-machines—that is to say, to machines which are automatically operated upon the introduction of a coin to either indicate or register the weight of a person or object at that time on the scales.

The preferred form of apparatus embodying my invention with some modifications thereof is illustrated in the accompanying two sheets of drawings, in which—

Figure 1 represents a standard table of the normal weights of men, women, and children of various heights and ages. Fig. 2 represents the upper portion of a coin-operated weighing-machine of standard type, showing the dial thereof with the table shown in Fig. 1 printed thereon. Fig. 3 is a similar view of a weighing-machine, showing in dotted lines the principal portion of the internal apparatus thereof.

Throughout the drawings like reference-figures refer to like parts.

The weighing-machine shown in Figs. 2 and 3 has a dial 1 with the graduated index-figures for the weight of the person standing on the machine arranged in the usual circle 3. At a convenient point on the dial is printed the table 2, where persons standing on the weighing-platform can easily see it. Such table may be of any convenient form, but is preferably arranged as shown in Fig. 1, having a division at the left for the average weights of men of heights varying from five feet one inch to six feet two inches, in the center a division for the average normal weight of children of given years of age ranging from five to fifteen years, with separate columns for the weights of boys and girls at ages within those limits, and at the right a division for the average weight of

women of heights varying from four feet ten inches to five feet eleven inches.

The weighing-machine has an index 4, operated by mechanism within the hood 5, so as to point out the weight of the person on the scales when a coin of proper denomination has been inserted through the slot 6.

The weighing-machine may be of any desired construction, of course; but I have illustrated in Fig. 3 a standard construction with the parts shown in dotted lines. The coin 7 is supposed to have fallen down the coin-chute 17, having in its course tripped the latch 8, which released the index-shaft 9, thus permitting the vertical rack 10 to fall until it is stopped by the frame 11, connected to the weighing-platform, thus swinging the index 4 around to the position shown, indicating the weight of the person on the platform. Of course the position of the rod or frame 11 is determined by the degree of expansion of the graduated springs 12 under the weight of the person on the platform. The table shown in Fig. 1 is located as shown by the rectangle 2.

While the table is shown located as above described, I do not wish to be restricted in this particular, so long as the table is located adjacent to the weight-indicator, so as to be seen at substantially the same time therewith.

The mode of operation of my invention is to enable the person on the scale to determine simultaneously his actual weight and his theoretically normal weight. The pointer 4 in the machine of Figs. 2 and 3 will tell him what his weight actually is, and knowing his height or age he can tell by glancing at the table in Fig. 2 what his weight ought to be if he were of normal physique. The advantages of the invention are affording simultaneously these two pieces of correlated information to every person who comes along and wishes to acquire said information.

The invention greatly increases the earning power of the coin-operated weighing-machines by exciting the interest of the passerby, and if his weight is found to be above or below the normal average by inducing him to try to correct the error and by frequent subsequent operations of the machine determining how successful he has been in en-

deavoring to cause his weight to approximate the normal figure.

It is evident, of course, that various changes could be made in the details of construction 5 illustrated without departing from the spirit and scope of my invention.

The table of normal weights might be gotten up in different shape and might be located on other parts of the machine than those indicated. 10

The construction of weighing-machine employed might be different from those shown, but such modified structure would still be within the boundaries of my invention.

15 Having therefore described my invention, what I claim as new, and desire to protect by Letters Patent, is—

1. A weighing-machine provided with a

weight-indicator and with a table of the normal weights of persons of different stature 20 exposed on its exterior, adjacent to the weight-indicator, whereby both the indicator and the table can be seen at substantially the same time.

2. A coin-operated weighing-machine having 25 an index-hand and dial with the numbers for indicating the weight on the platform printed thereon, and also a table showing the normal weights of persons of different stature. 30

Signed by me at New York, N. Y., this 17th day of January, 1900.

LEROY W. BALDWIN.

Witnesses:

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A. PARKER-SMITH.