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**LEGISLATURE OF PENNSYLVANIA.**

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**FILE OF THE HOUSE OF REPRESENTATIVES.**

**No.**

**774**

**Session of  
1919.**

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INTRODUCED BY MR. HEYBURN, MARCH 4, 1919.

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REFERRED TO COMMITTEE ON AGRICULTURE,  
MARCH 5, 1919.

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**AN ACT**

Supplementary to an act approved the twenty-fourth day of June one thousand nine hundred and thirteen entitled "An act to provide for the appointment of county and city inspectors of weights and measures providing for their compensation and expenses prescribing their duties prohibiting vendors from giving false or insufficient weights and fixing the penalties for the violation of the provisions hereof" providing for the examination of the glassware used for testing milk and cream for butterfat with the Babcock test prohibiting the use of inaccurate testing glassware defining the term standard Babcock glassware and fixing penalties for the violations of the provisions of this act

1 Section 1 *Be it enacted by the Senate and House of Repre-*  
2 *sentatives of the Commonwealth of Pennsylvania in General Assembly*  
3 *met and it is hereby enacted by the authority of the same That*  
4 every person firm company association corporation or agent  
5 thereof engaged in the business of buying milk or cream  
6 on the basis of or in any manner with reference to  
7 the amount or percentage of butterfat contained therein  
8 as determined by the "Babcock test" shall use standard  
9 "Babcock" bottles pipettes and weights as defined in sec-  
10 tion two of this act All such Babcock test bottles  
11 pipettes and weights so used shall have been inspected  
12 for accuracy by the Bureau of Standards of Pennsylvania  
13 or its proper officer or agent and shall be legibly and  
14 indelibly marked by the said Bureau of Standards or its  
15 inspectors of weights and measures with the letters "S  
16 G P" (Standard Glassware Pennsylvania) and no Babcock  
17 bottle pipette or weight shall be used for such test un-  
18 less so examined and marked by the said inspectors of  
19 weights and measures It shall be unlawful for any per-  
20 son persons firm or company association corporation or  
21 any agents to use any other than standard test bottles  
22 pipettes and weights which have been examined and  
23 marked as provided in this section to determine the  
24 amount of fat in milk or cream bought on the butter-  
25 fat basis as determined by the Babcock test

26 Section 2 The term "Standard Babcock Testing Glass-  
27 ware" shall apply to glassware and weights complying  
28 with the following specifications

1 (a) Standard Milk Test Bottles

2 Graduation The total per centum graduation shall be  
3 eight The graduated portion of the neck shall have a  
4 length of not less than sixty-three and five-tenths mil-  
5 limeters (two and one-half inches) The graduation shall  
6 represent whole per centum five-tenths per centum and  
7 tenths per centum The tenths per centum graduation shall  
8 not be less than three millimeters in length the five-  
9 tenths per centum graduations shall be one millimeter  
10 longer than the tenths per centum graduations projecting  
11 one millimeter to the left the whole per centum gradua-  
12 tions shall extend at least one-half way around the neck  
13 to the right and projecting two millimeters to the left  
14 of the tenths per centum graduations Each per centum  
15 graduation shall be numbered the number being placed on  
16 the left of the scale The error at any point of the  
17 scale shall not exceed one-tenth per centum

18 Neck The neck shall be cylindrical and the cylindrical  
19 shape shall extend for at least nine millimeters below the  
20 lowest and above the highest graduation mark The top  
21 of the neck shall be flared to a diameter of not less  
22 than ten millimeters

23 Bulb The capacity of the bulb up to the junction  
24 of the neck shall not be less than forty-five cubic cen-  
25 timeters The shape of the bulb may be either cylindrical  
26 or conical with the smallest diameter at the bottom If  
27 cylindrical the outside diameter shall be between thirty-four  
28 and thirty-six millimeters if conical the outside diameter  
29 of the base shall be between thirty-one and thirty-three

1 millimeters and the maximum diameter between thirty-five  
2 and thirty-seven millimeters

3 The charge of the bottle shall be eighteen grams

4 The total height of the bottle shall be between one  
5 hundred and fifty and one hundred and sixty-five milli-  
6 meters (five and seven-eighths and six and one-half inches)

7 (b) Standard Cream Test Bottles

8 Three types of bottles shall be accepted as standard  
9 cream test bottles a fifty per centum nine gram short-  
10 neck bottle a fifty per centum nine gram long-neck  
11 bottle and a fifty per centum eighteen gram long-neck  
12 bottle

13 Fifty per centum nine gram short-neck bottles Gradua-  
14 tion The total per centum graduation shall be fifty The  
15 graduated portion of the neck shall have a length of not  
16 less than sixty-three and five-tenths millimeters (two and one-  
17 half Inches) The graduation shall represent five per  
18 centum one per centum and five-tenths per centum The  
19 five per centum graduations shall extend at least half  
20 way around the neck (to the right) The five-tenths per  
21 centum graduation shall be at least three millimeters in  
22 length and the one per centum graduations shall have a  
23 length intermediate between the five per centum and the  
24 five-tenths per centum graduations Each five per centum  
25 graduation shall be numbered the number being placed on  
26 the left of the scale The error at any point of the  
27 scale shall not exceed five-tenths per centum

28 Neck The neck shall be cylindrical and the cylindrical  
29 shape shall extend at least nine millimeters below the

1 lowest and nine millimeters above the highest graduation  
2 mark The top of the neck shall be flared to a dia-  
3 meter of not less than ten millimeters

4 Bulb The capacity of the bulb up to the junction  
5 of the neck shall not be less than forty-five cubic centi-  
6 meters The shape of the bulb may be either cylindrical  
7 or conical with the smallest diameter at the bottom If  
8 cylindrical the outside diameter shall be between thirty-four  
9 and thirty-six millimeters of conical the outside diameter  
10 of the base shall be between thirty-one and thirty-three  
11 millimeters and the maximum diameter between thirty-five  
12 and thirty-seven millimeters

13 The charge of the bottle shall be nine grams All  
14 bottles shall bear on top of the neck above the gradua-  
15 tions in plainly legible characters a mark defining the  
16 weight of the charge to be used (nine grams)

17 The total height of the bottle shall be between one  
18 hundred and fifty and one hundred and sixty-five milli-  
19 meters (five and seven-eighths and six and one-half inches)  
20 same as standard milk test bottles

21 Fifty per centum nine gram long-neck bottles

22 The same specifications in every detail as specified for  
23 the fifty per centum nine gram short-neck bottle shall  
24 apply for the long-neck bottle with the exception however  
25 the total height of this bottle shall be between two  
26 hundred and ten and two hundred and thirty-five milli-  
27 meters (eight and one-fourth and eight and seven-eighths  
28 inches) and that the total length of the graduation shall

1 not be less than one hundred and twenty millimeters

2 Fifty per centum eighteen gram long-neck bottles The  
3 same specifications in every detail as specified for the  
4 fifty per centum nine gram long-neck bottles except that  
5 the charge of the bottle shall be eighteen grams All  
6 bottles shall bear on the top of the neck the gradua-  
7 tion in plainly legible characters a mark defining the  
8 weight of the charge to be used (eighteen grams)

9 (c) The Standard Babcock Pipette Total length of  
10 pipette not more than three hundred and thirty milli-  
11 meters (thirteen and one-fourth inches) Outside diameter  
12 of suction tube six to eight millimeters Length of suction  
13 tube one hundred and thirty millimeters Outside diameter  
14 of delivery tube four and five-tenths to five and five-  
15 tenths millimeters Length of delivery tube one hundred  
16 to one hundred and twenty millimeters Distance of grad-  
17 uation mark above bulb thirty to sixty millimeters Nozzle  
18 straight Delivery seventeen and six-tenths cubic centimeters  
19 of water at twenty degrees centigrade in five to eight  
20 seconds

21 (d) Standard weights The standard weights shall be  
22 of nine (9) grams and eighteen (18) gram' denominations

23 Section 3 Any person violating any of the provisions  
24 of this act shall be guilty of a misdemeanor and shall  
25 be subject to the same penalties as provided in the act  
26 to which this is a supplement

27 Section 4 The Bureau of Standards of the State of  
28 Pennsylvania through its inspectors of weights and measures

1 shall be charged with the enforcement of the provisions  
2 of this act

3 Section 15 The provisions of this act shall take ef-  
4 fect January first one thousand nine hundred and twenty  
5 with the exception that the provisions of section two as  
6 respects the denominations of the glassware therein spe-  
7 cified shall not be held to require the abandonment of  
8 the use of glassware of other denominations in use at  
9 the time of the passage of this act provided that the  
10 said glassware of other than standard denominations shall  
11 have been certified after examination by the proper officer  
12 of the Pennsylvania Bureau of Standards to be correct  
13 to their graduations