(No Model.) 2 Sheets—Sheet 1.

A. J. GASTON.

SCALE.

No. 538,252. Patented Apr. 30, 1895.

Fig. 1.

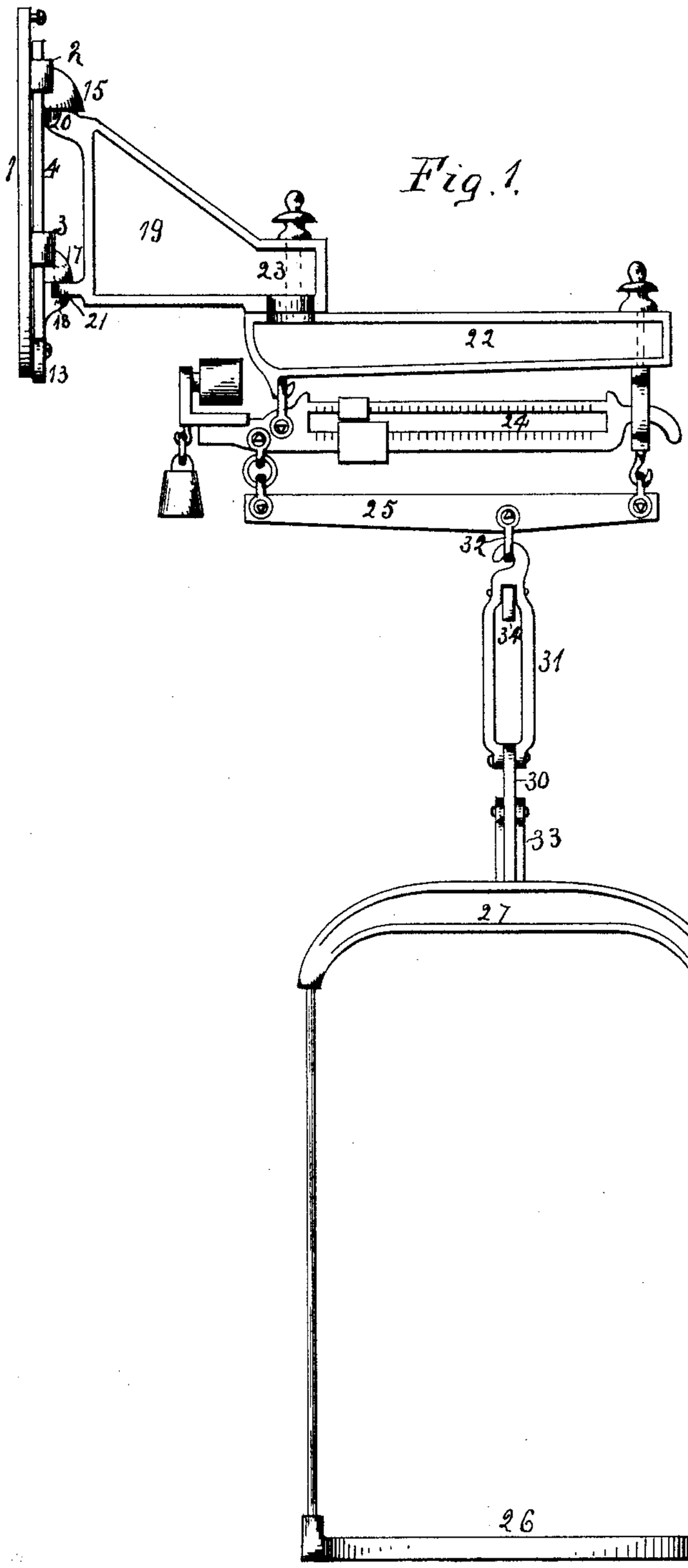
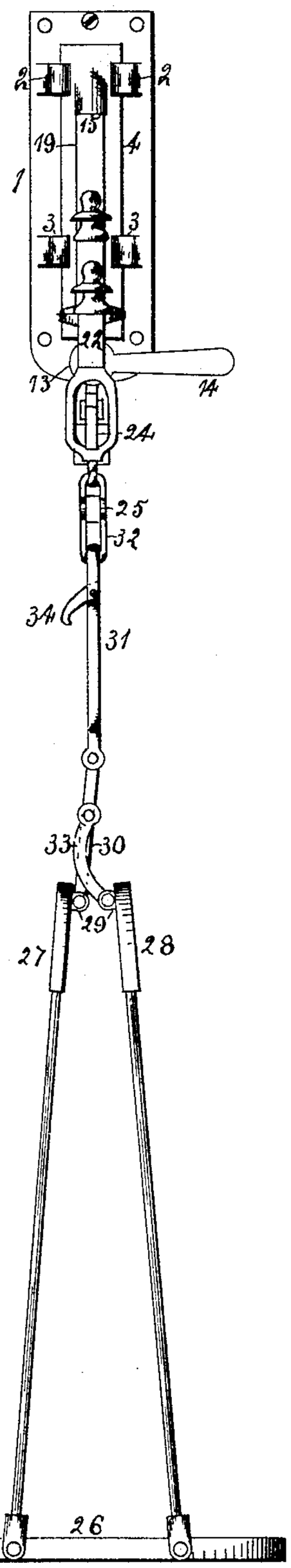


Fig. 2.



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(No Model.) 2 Sheets—Sheet 2.

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Fig. 4

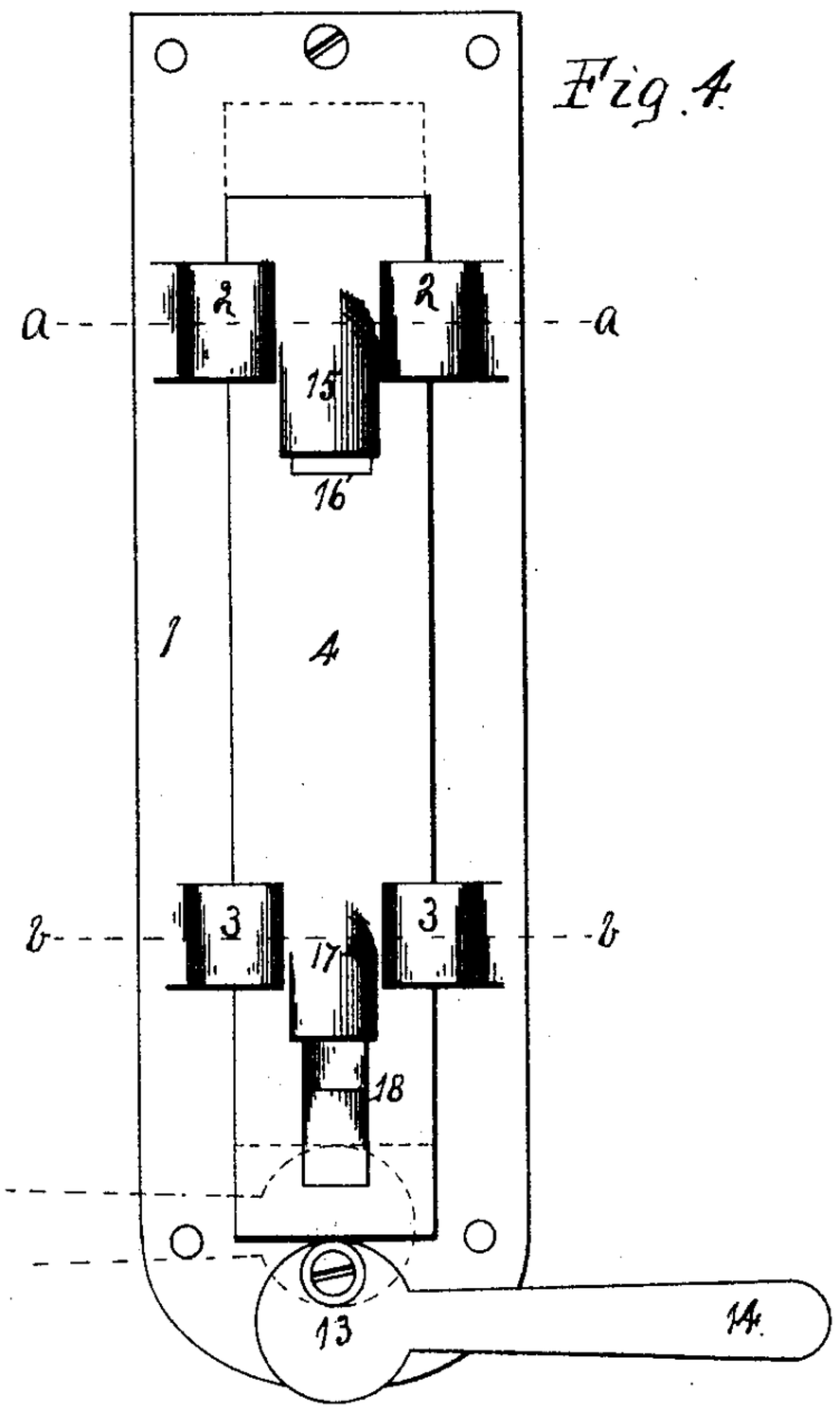


Fig. 5.

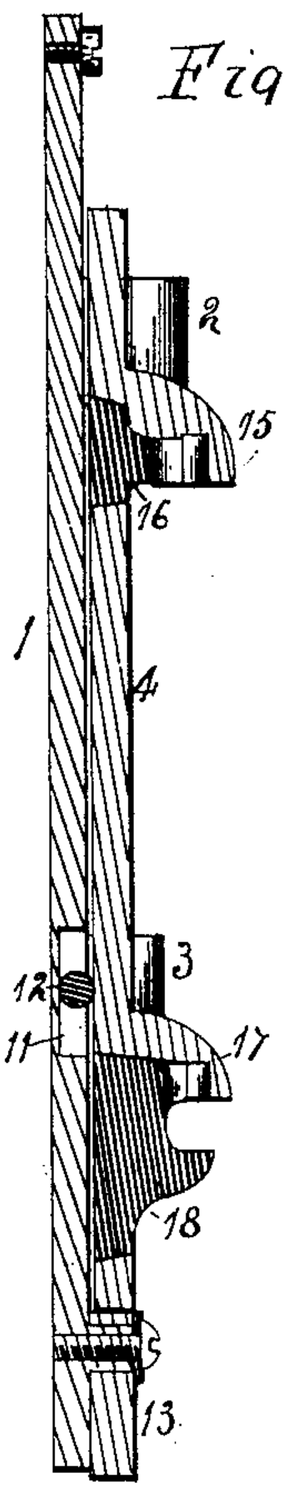


Fig. 3

Fig. 6.

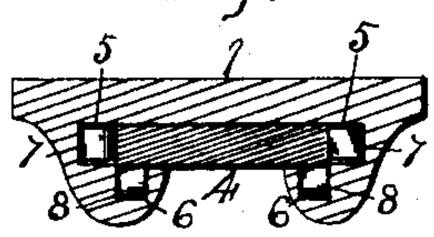
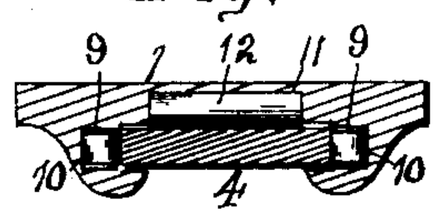


Fig. 7.



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UNITED STATES PATENT OFFICE.

AUGUSTINE J. GASTON, OF BELOIT, WISCONSIN.

SCALE.

SPECIFICATION forming part of Letters Patent No. 538,252, dated April 30, 1895.

Application filed August 14, 1894. Serial No. 520,335. (No model.)

To all whom it may concern:

Be it known that I, AUGUSTINE J. GASTON, a citizen of the United States, residing at Beloit, in the county of Rock and State of Wisconsin, have invented certain new and useful Improvements in Dairy-Scales, of which the following is a specification.

The object of this invention is to construct a scale, in which a folding and swinging platform is employed, and means for raising the scale, beam and platform in a vertical direction in order that the platform may clear the floor so that the articles placed thereon may be weighed.

In the accompanying drawings, Figure 1 is a side elevation. Fig. 2 is an end elevation. Fig. 3 is an end elevation of the platform and its supporting rods in their folded position. Fig. 4 is a face representation of the base plate. Fig. 5 is a vertical central section through the same. Fig. 6 is a transverse section on dotted line *a*, Fig. 4. Fig. 7 is a transverse section on dotted line *b*, Fig. 4.

The base 1 is of rectangular form, having a pair of lugs 2 extending from its upper portion, and a pair of lugs 3 extending from its lower portion. Beneath these lugs and against the face of the base is located a movable support 4. The upper pair of lugs are each provided with recesses 5 and 6. In the former is located a roller 7 and its axis of rotation lying in a horizontal plane at right angles to the face of the base, and in the recess 6 is located a roller 8 its axis of rotation also in a horizontal plane but at right angles to the axis of the roller 5. The rollers 7 are so located as to engage the edges of the movable support 4 and the rollers 8 engage its front face. The lower pair of lugs 3 each has a recess 9 in its overhanging lip within which is placed a roller 10 which moves in contact with the edge of the movable support near its lower end. A recess 11 is formed in the face of the base between the lugs 3 and within this recess is located a roller 12 its axis located in a plane transverse of the base and against which the rear face of the lower end of the movable support rests or moves in contact with.

To the lower end of the base is pivoted an eccentric 13 having a handle 14 by means of which the movable support may be elevated from the position shown in solid lines at Fig. 4 to the dotted line position shown in same figure, and the roller engagement with the movable support permits of its easy sliding movement. From the front face of the movable support extends a bearing 15 and into an opening in the support is placed the movable portion 16 having its face in semi-circular form. The outer conformation of this movable portion is of U edge form which fits the opening. Near the lower end of the movable support is located a bearing 17, and into an opening formed in the support is placed a step block 18, having its outer surface tapering and having a projection extending from its lower portion. That portion of this step block lying within the bearing has its face in semi-circular form. A bracket 19, is provided with two projections or pintles 20 and 21, the former held in place in the bearing 15, and the latter in the bearing 17, so that a pivotal connection is formed between the bracket and movable support the weight of the bracket being sustained by the step block 18. To the free end of this bracket is pivoted an arm 22, by the pin 23. This arm supports a double scale beam 24, the direction of both bars being the same but the weights employed being of different hefts, that is, sixteen to one, in order that the larger weight will indicate pounds and the smaller one ounces.

From the scale beam at one end is suspended a bar 25, its other end suspended from the free end of the bar 22, and to this suspended bar is connected the platform upon which the article to be weighed is placed. This platform 26, has bails 27, and 28, pivotally connected to a link 30, at one end its other end pivotally connected to link 31, having its upper end in hook form which engages a loop 32, connected to the suspended bar 25. To the link 30, between its pivotal connection with the bail 27 and link 31 is pivotally connected a link 33 at one end, its other end pivotally connected to the ears of the bail 28. By means of these links a connection is formed between the bail and suspended bar. To the upper end of the link 31 is pivoted a hook 34.

When the scale is in use the parts will appear as shown at Figs. 1 and 2, the box being secured in a position to allow the platform to rest upon the floor. The article is placed upon the platform and by means of the eccentric

lever 14 is turned into the position shown in dotted lines at Fig. 4 which will cause the platform and the article placed thereon to be raised clear of the floor. Through the connection of the platform with the movable support 4, after the article has been weighed the platform is lowered in contact with the floor in order that the article may be easily removed therefrom; and when the scale is not in use, the attendant raises upon the bail 27 which will cause the other bail and platform to assume the position shown at Fig. 3, when the hook 34 will engage a flange on the outer surface of the bail, holding the parts folded, when the arm 22 in its connection with the bracket 19 and the bracket in its connection with the movable support will allow the folding of the parts into a small space.

I claim as my invention—

1. In a scale, a stationary base standing in a vertical position having two pairs of ears extending from its face, each ear of the upper pair having two recesses and within each is located a roller, each ear of the lower pair having a recess supporting a roller, the stationary base having a recess in its face near the lower pair of ears, a roller located in the recess and a movable support held in position in a slidable manner by the various rollers.

2. In a scale, a support, a scale beam connected therewith, a platform having a connection with the beam, two bails having a pivotal connecton with the platform, one bail having a linked connection with the scale beam and the other bail having a detachable connection with the link connection in such a manner that the platform may be folded into a vertical position.

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Witnesses:

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