

No. 645,875.

Patented Mar. 20, 1900.

E. STRAUSS.
MILK MODIFYING APPARATUS.

(Application filed May 2, 1899.)

(No Model.)

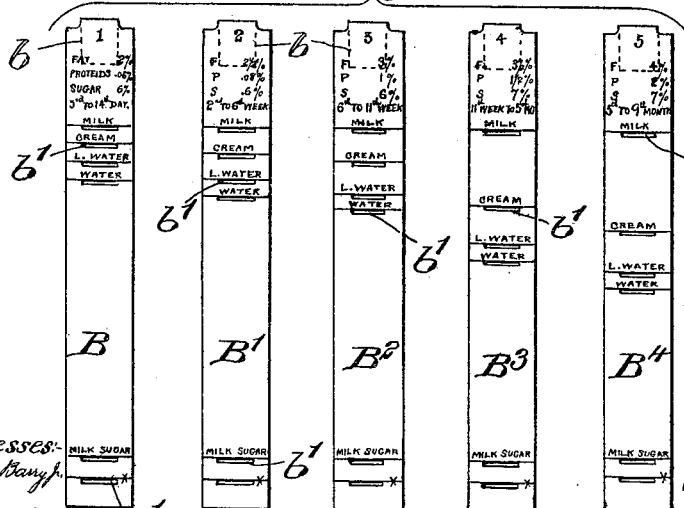
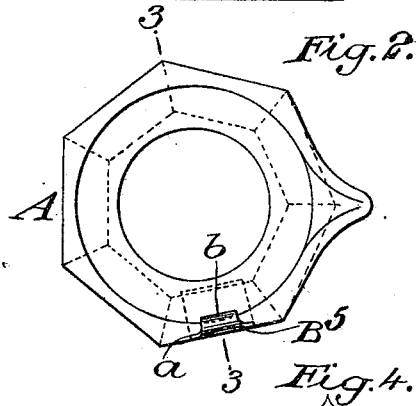
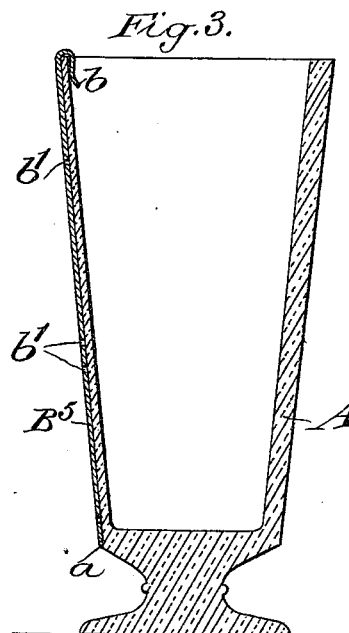
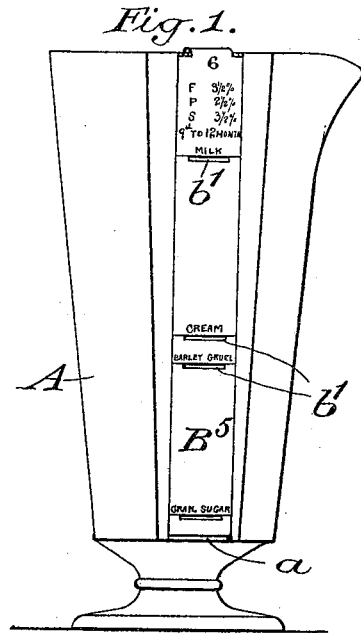


Fig. 5.



Witnesses:
George H. Hays
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Inventor:
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by attorneys
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UNITED STATES PATENT OFFICE.

ERNEST STRAUSS, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF TO
ALBERT HAAS, OF SAME PLACE.

MILK-MODIFYING APPARATUS.

SPECIFICATION forming part of Letters Patent No. 645,875, dated March 20, 1900.

Application filed May 2, 1899. Serial No. 715,290. (No model.)

To all whom it may concern:

Be it known that I, ERNEST STRAUSS, a citizen of the United States, and a resident of New York, in the county and State of New York, have invented a new and useful Improvement in Milk-Modifying Apparatus, of which the following is a specification.

My invention relates to an improvement in milk-modifying apparatus for home use in which a glass vessel or jar shaped like a graduate is fitted to have successively secured thereon a plurality of strips having thereon different formulæ so arranged as to be suitable for successive periods in a child's life.

A practical embodiment of my invention is represented in the accompanying drawings, in which—

Figure 1 represents a side view of my improved apparatus. Fig. 2 is a top plan view of the same. Fig. 3 is a vertical central section taken in the plane of the line 3 3 of Fig. 2. Fig. 4 represents face views of five additional strips having different formulæ, and Fig. 5 is a side view of one of the strips to show more clearly the hook at the top of the strip for use in holding the strip snugly in its position against the side of the jar.

The measuring vessel or jar is denoted by A, and in the present instance it is formed in the general style of a glass graduate having a plurality of flat sides or panels. The outer surface of the jar is provided with a vertical shallow groove *a*, extending from the top to the bottom of the body of the jar, within which groove is fitted to be seated any one of the series of strips B B' B² B³ B⁴ B⁵. These strips are made of any suitable material—such, for instance, as metal—and they are caused to be snugly seated in the groove *a* in the vessel by means of spring-hooks *b* at their upper ends, arranged to embrace the top of the vessel. The strips are marked in separate series, the lines and accompanying word-marks to indicate the level to which the vessel must be filled when supplying the ingredient indicated by the said word-mark, it being understood that these ingredients are to be supplied in the order which the word-marks are placed, reading from the bottom upward. These strips are preferably num-

bered successively, and may have marked thereon also a statement of the period or age to which the schedule or formula on each particular strip is appropriate. Each strip is provided with transverse slits *b'*, corresponding to the several marks, so that when the strip is held in position on the vessel the person supplying the several ingredients can supply the exact amount by noticing when the particular ingredient being inserted reaches a point opposite the said slit.

The schedules or formulas which I have shown in the accompanying drawings are arranged on the basis of the prescription of Dr. L. E. Holt as given in his book on the *Care and Feeding of Children*, and by using this apparatus the composition of the milk food is adjusted accurately in accordance with such prescription, so as to gradually decrease the proportion of water and increase the proportion of milk as the child grows older.

It is to be understood that other formulas may be applied to the strip, if so desired.

It having been decided, according to the child's age, which formula is to be used, the strip presenting that formula is inserted in its position along the outer surface of the vessel within the groove *a*, and the said strip is retained therein until it becomes necessary to use the next succeeding strip. By this arrangement no confusion can arise in the use of the apparatus.

It is evident that slight changes might be resorted to in the form and arrangement of the several parts without departing from the spirit and scope of my invention. Hence I do not wish to limit myself strictly to the structure herein set forth; but

What I claim is—

1. A milk-modifying apparatus comprising a vessel and a formula-bearing strip fitted to be removably attached to the said vessel, the said strip being provided with a plurality of slits corresponding to the different marks of the formula through which slits the surface of the contents of the vessel may be observed when opposite the said marks, substantially as set forth.

2. A milk-modifying apparatus comprising a transparent vessel having a vertical groove

formed in its outer surface and a formula-
bearing strip adapted to be seated within the
said groove, the said strip having its upper
end developed into a spring-hook arranged to
5 embrace the top of the vessel for holding the
strip snugly in its position within the groove
in the vessel, substantially as set forth.

In testimony that I claim the foregoing as
my invention I have signed my name, in pres-
ence of two witnesses, this 1st day of May, 1899.
ERNEST STRAUSS.

Witnesses:

FREDK. HAYNES,
EDWARD VIESER.