CLAIMS

1. A multi-serving cartridge assembly for nutritional supplements, said cartridge assembly comprising:

a generally annular frame centered about a central axis, said frame comprising a generally flat annular member having an outer peripheral flange about its exterior and an interior hole centered about said central axis, a plurality of chamber openings disposed within said frame, sidewalls surrounding each said chamber opening and extending generally axially from said frame, said sidewalls for each said chamber opening being covered by a closed end to form a serving chamber behind the respective said chamber opening,

a punctureable membrane directly affixed in surface-to-surface relationship to said frame and sealingly covering said serving chambers, said membrane configured to be forcefully ruptured in order to extract a volume of nutritional supplement from said serving chambers, said puncturable membrane having an inner hole aligned with said interior hole of said frame, and

a spline cup centered along said central axis and covering said interior hole in said frame, said spline cup including a plurality of axially extending female splines, an outer surface of said spline cup forming a knob inset within said serving chambers, an annular clearance space in-between said knob and said servings chambers enabling said knob to be grasped with human fingers.

2. The assembly of claim 1, further including a binary code indicia imprinted on said membrane.

3. The assembly of claim 2, wherein said binary code indicia comprises a bar code disposed within an innermost annular region of said membrane adjacent said interior hole.

4. The assembly of claim 1, wherein said punctureable membrane incudes a plurality of marker zones spaced apart from said serving chambers, one said marker zone being associated with each said serving chamber.

5. The assembly of claim 4, wherein said marker zones are disposed within an intermediate annular region of said membrane, said marker zones arranged in equal radial and circumferential increments about said central axis within said intermediate annular region.

6. The assembly of claim 5, wherein each said marker zone is radially aligned with a respective one of said serving chambers.

7. The assembly of claim 6, wherein said frame includes a marker cavity located behind each said marker zone.

8. The assembly of claim 1, wherein said plurality of serving chambers comprises between twenty-eight and thirty-one.

9. The assembly of claim 1, further comprising a volume of granulated nutritional supplement sealed in each of said serving chambers.

10. The assembly of claim 1, wherein each said chamber opening has a radially widening wedge shape being narrowest adjacent said interior hole and widest adjacent said outer peripheral flange.

11. The assembly of claim 1, wherein the spline cup is directly affixed to said frame

12. The assembly of claim 11, wherein the plurality of female splines axially extend internal to said spline cup and are accessible through said interior hole by the male splines of an output shaft of a dispensing machine.