Claims

1. A longneck bottle of one-piece integrally formed glass or metal construction having a body with a closed base and a shoulder at an end of said body remote from said base, and a neck extending from said shoulder along an axis and terminating in a neck finish for attachment of a closure, wherein

said neck widens between said neck finish and said shoulder, and

said neck includes raised internal features that do not extend into said finish for affecting flow of liquid from said body through said neck.

2. A bottle according to claim 1 wherein said features are disposed entirely within said neck and do not extend into said shoulder or said body.

3. A bottle according to claim 1 wherein the raised internal features are disposed around the neck below an inside surface of the neck finish.

4. A bottle according to claim 1 wherein the raised internal features are disposed around the neck where the neck widens.

5. A bottle according to any one of the preceding claims wherein said raised internal features include a plurality of angularly spaced internal spiral ribs.

6. A bottle according to any one of the preceding claims wherein said raised internal features include a plurality of elliptical ribs extending around said axis in a plane at an angle to said axis, and disposed in parallel planes that are spaced from each other along said axis.

7. A method of making a longneck bottle having a body with a closed base and a shoulder at an end of said body remote from said base, and a neck extending from said shoulder along an axis and terminating in a neck finish for attachment of a closure, said method including the steps of:

(a) forming a parison,

(b) blowing said parison into a longneck bottle of one-piece integrally formed construction, and

(c) during said step (a) and/or said step (b), forming at least one internal rib on said

neck,

wherein said step (c) includes:

(c1) forming an external rib on said neck during said step (a), and

(c2) pushing said external rib into said neck during said step (b).

8. A method according to claim 7 wherein said at least one internal rib formed in said step (c) includes at least one spiral rib around said axis, or at least one elliptical rib in a plane at an angle to said axis, or at least one longitudinal rib coplanar with said axis, or at least one annular rib in a plane perpendicular to said axis.

9. A method according to claim 7 or 8 wherein said at least one internal rib is disposed entirely in said neck and does not extend into said finish or said shoulder or said body.

10. A longneck bottle of one-piece integrally formed glass or metal construction, said bottle being produced by the method of claim 7.