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# (12) United States Patent

## (54) HYBRID PLUG AND METHOD OF SEALING A DRUM

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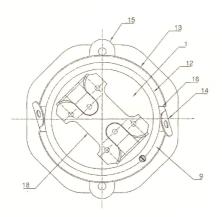
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#### (57) ABSTRACT

The hybrid plug is a single component replacement for three components, the paint plug, conventional plug and capseal in a drum closure. It is formed from a single sheet of metal and has a plug portion and a capseal portion which vary in thickness. The plug portion has a collar and an externally threaded wall with a plug gasket disposed on a plug gasket seat. The capseal portion is provided with ears and scoring to enable separation from the plug portion and with a lining on the inner wall of the capseal portion to safeguard against plug gasket failure. The capseal portion may be recessed at intervals to form dimples which hold the hybrid plug in place in an automated insertion process. The hybrid plug provides a passage for air and gases during paint curing and leak testing without necessitating removal.

#### 11 Claims, 6 Drawing Sheets

