# Welcome to..... Cask Ale. Draught Beer Quality



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### Cask Ale - Our 45 minutes

- What is Cask?
- A little History
- Cask in the USA
- Where we were, where we are, Opportunity
- Equipment, cleaning your cask, filling and shipping
- Serving cask, equipment used and pouring cask
- Cleaning your bar equipment
- Returning cask to your brewer
- Resources





## What is cask 'real' ale?





Real ale is a beer brewed from traditional ingredients (malted barley, hops water and yeast), matured by secondary fermentation in the container from which it is dispensed, and served without the use of extraneous carbon dioxide.











## History of cask ale in the UK.



























































































































### 2020 Atlanta Cask Ale Festival -55+ beers and breweries with hundreds of consumers attending in one day!









Not to size!!

Shive





Cleaning your casks



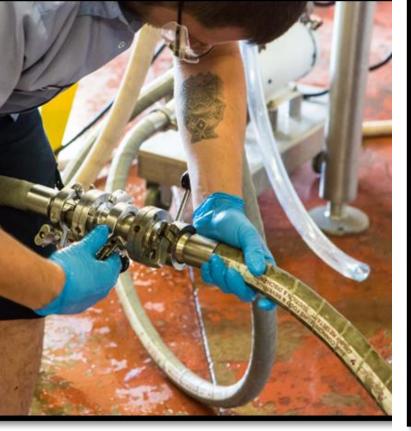






Cleaning your casks









Filling and Sealing the Cask

















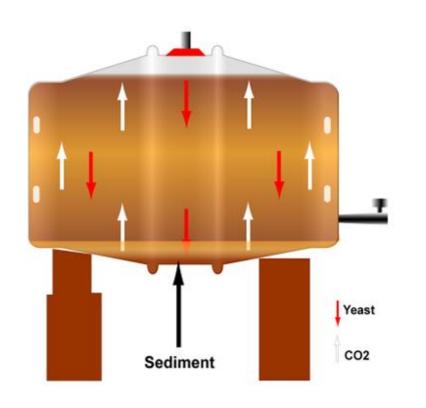


Cask tap faucet



## Handling of the Cask at REWER Retail.















# Handling of the Cask at Retail

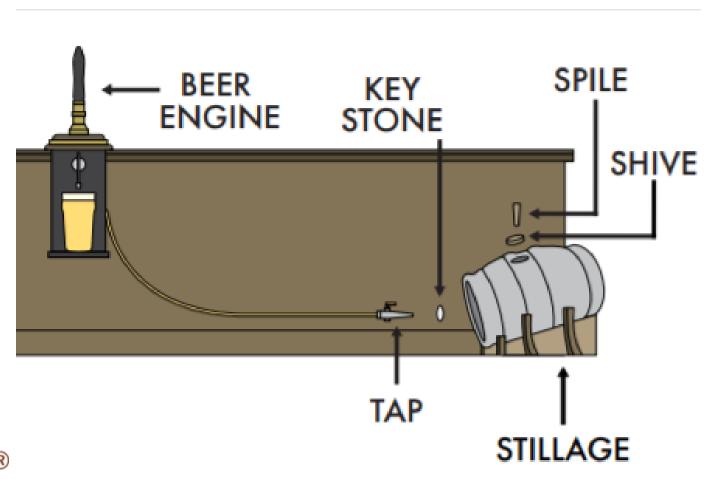






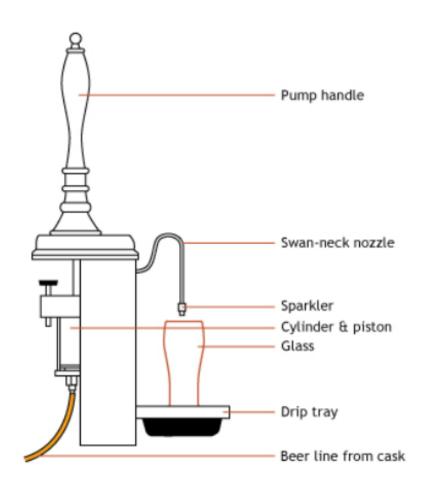
## A basic beer engine set up.

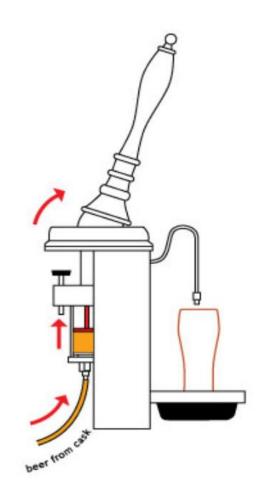


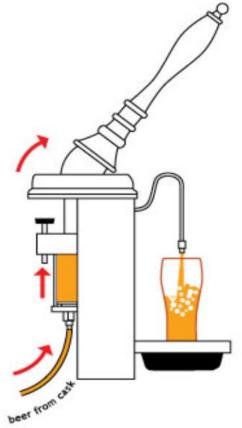


## The Cask Ale beer engin















## **Alternate Tapping Systems**





## Pouring(Gooseneck) with Sparkler











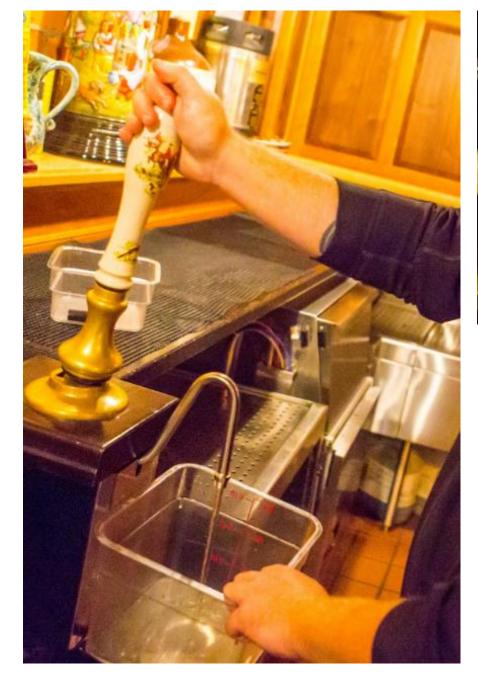


## Cask breathers



## Cleaning your beer engine











































# Returning an empty cask to the brewery.





## Would you like some? Firkin Two Hearted Ale

Come to the Draught Beer Quality Subcommittee Meet-Up

TUESDAY, MAY 3 4:15 PM - 5:30 PM ROOM-M100B



### APPENDIX D

### NOTES ON SERVING CASK ALE

m sik ale, sometimes called cask-conditioned heer or 'tool sle,' is drought beer dispensed oul served in a traditional method. Cask ale is generally served at warmer temperatures than regularly carbonated draught beer, and without an extraneous propellant. The result is a bear with different presentation, flavor, and aroma, quite unlike that from the same beer force carbonated and dispensed with CO or mixed gas applied prossure.

In this appendix, we focus on a few particulars of dispensing cask ale that represent basic knowledge and best practices. The production of cask ale is an art unto itself, sometimes referred to as cellarmanship, the details of which are well beyond the scope of this menual.

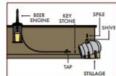
Cask ale is typically conditioned and dispensed at 45-55% unlike the colder 36-38% range for regularly tion to occur after the cask leaves the brewery.

carbonated draught been. The temperature is warm amough to allow the beer within the cask to develop its own natural carbonation due to the presence of living. yeast. The higher temperature also means that CO<sub>2</sub> is not as inhable in the best, and the result is a beer that is far less carbonated.

Because cask ale is handled at warmer temperatures, and since CO, is less soluble at warmer temperatures. cask ale contains much lower levels of carbonation than regular drought beer. Cask beer typically contains 0.9-1.2 volumes of CO., far less than the 2.5-2.7 volumes typical of force carbonated drought born

The carbonation in cask ale arises from natural secondary fermentation within the cask, rather than from fonce carbonation at the best-ery. The relatively warmer cellaring temperatures allow this fermenta-

Cask ale is normally dispensed from a cask located relatively close to the bur, or even on the bar or back bar. Most modern casks are metal, although a few wooden varieties are sometimes still found. Most casks contain two openings that are filled with wooden or plastic plugs called shives (for letting gas in) and keystones (for tapping and removing beer) The cask is placed on its side with the shive up and the keystone down. A spile is used to vent the cask through the shive. There are two kinds of sedes available soft unites, which are norms, and hard unites. which are made of denser, harder wood. The soft apile is used initially in order to allow gas to escape the cask during fermentation. Once this process is complete, the soft spile is replaced with a hard spile in order to prevent gas from eating the cask. Cask ale is dispensed without top pressure, meaning that it either rough from the cask through a facust like tap-directly into the glass using gravity, or the boor is pumped a short distance using a pump called a beer engine (fig. D.1).



The cask should be allowed to settle for several hours, even up to a day, believ serving. This process, called stillaging, allows the yeast in the cask to settle to the bottom and the beer to pour clear.

While youring a cask, gas is allowed to enter the cask being amptied in order to percent a vacuum from forming. Busy luce that empty a cask in one to those days will cometimes allow sie to enter the cask. Another potton is to use CO, at atmospheric

essure to fill the head space. A device called a "cask breather" can be used to top-off the head space as the bear is dispensed, which prevents the ingress of air and potential beer spoilers (fig. D.2). Carbon distaide is meterable to air in terms of preserving the been but there is some disagreement about whether this practice is "peoper" because it is not traditional. This nanual is not the forum for that discussion.



Cask air dispensed directly from a cask using a grave y dispense tap will usually have very low amounts of ium in the glass (fig. D.5). Cask ale dispensed from a beer engine may be poured through a fitting called a sparkler that serves to create foam from the very livelevel of carbonation present.



Beer engines dispense cask beer (fig. D.4.). Pulling the handle actuates a piston or chamber of the engin and pumps beer from the cask to the customer's glass Beer engines can be clamp-on or built into a but. Some broweries that make cask ales will require a sparkler (performed disk) that attaches to the end of the pouring spout.



Pouring cask ale from a swan neck beer engine feacet is the only instance when the faucet should come into contact with the inside of a beer glass. Due to the unique nature of this bour dispensing system, a hit of guidelines must be followed to ensure proper itation and high product quality.

- 1. At the start of the day, discard the first pull of beer to empty the beer engine cylinder of heer that has been sitting overnight.
- 2. Always use a boar-clean glass for every serving of cask ale dispensed from a heer angine

This should be the case when pouring any draught beer, but even more so with cask ale due to the potential to transfer germs from one glass to another.

- The closing bartender should do one final clean of the cook fascet, drip tray, and the surface of the entire cask pump when the har closes. This cleaning should be done with restaurant! bar sanitizer approved by your local and state health code. If the cask fascet uses a sparkler, the sparkler should be removed and scalard overnight in the same sanitizer at a scuking contration listed by the manufactures.
- The opening bartender should wipe the cask fuscet with a clean towel wetted with fresh. water before the first cask beer is pulled to ensure any residual sanitizer from the previous night is removed. If the cask pump is fitted with a sparklet, thoroughly rinse the sparkler under realt water before attaching it to the cask faucat. After the cask has been emptied, remove the
- shire and rinse the inside of cask thoroughly with warm water as soon as possible.

### Cook System Hygiene Cleanliness is paramount in the handling of cask ale.

Unlike kegged draught been items are being inserted into beer such as taps, opiles, and ale extractors. These all give an opportunity for hacteria to be introduced.

- Run dean, warm water through the boar line
- and beer engine between every cash. Perform regular beer line deaning every 14
- days, just like regular draught beer lines. Be sure to check with the manufacturer of the beer engine to ensure the cleaning solution concentration is computible with the piston, so as not to damage it.
- Using the hand pump, draw the chemical solution through the beer line until beer engine is filled with chemical solution. Allow for 20 minutes contact time.
- Purge the system of the chemical solution by deasing through cool water. Ensure that all of the chemical is removed by testing the off of the time water.

### Pouring Cask Ale with a Head

While some customers may ask their beer be 'filled to the rim," browers prefer beer poured with about a one-inch collar of foam, which is the boer's "head" The importance of a one-inch from collar should not be underestimated. The purpose of a proper head on any cask ale is the same as a draught beer; the head intended to be served. helps to deliver the total sensory experience:

- · a good pour has visual appeal
- . the beer releases more aromatic volatiles
- · the palate-cleansing effects of carbonation are ordanical
- . the beer presents a better overall textural and sensirial experience to the consumer

Well-prepared cask ale will easily allow for one inch of head or more if a spatkler is fitted on the and of the faucet. Without the sparkler device, a full one-inch collar of foam may be difficult to achieve. The har or restaurant manager should consult the brower to discuss how their particular beer is



"I would love a FLAT, Headless pint in a DIRTY FROZEN shaker glass"

Said No One Ever!!

