

the respective dispensing valve by pressure thereon from the respective water and syrup lines, and water and syrup being supplied via said lines to said mixer for replenishing said mixer with water and syrup in amount corresponding to the amount of beverage dispensed, the water and syrup supplied to said mixer mixing therein to constitute beverage in amount corresponding to that dispensed, at least one of said water lines being a high carbonated water line for supplying high carbonated water from a source thereof to the respective mixer, and at least one of said water lines being a low carbonated water line for supplying low carbonated water to the respective mixer, and means for supplying low carbonated water to said low carbonated water line comprising a high carbonated water line connected to said source of high carbonated water, a plain water line, and means for blending plain water from said plain water line with high carbonated water from said last-mentioned high carbonated water line.

13. A system for mixing water and syrup to constitute a beverage and for dispensing the beverage comprising means for holding a supply of the beverage under pressure, a dispensing valve interconnected with said beverage holding means adapted on opening for dispensing of beverage from said beverage holding means, and means for supplying water and syrup from respective sources thereof under pressure to said beverage holding means comprising a line for delivering water from the source of water under pressure to said beverage holding means on opening said valve, said water delivery line being in constant communication with said beverage holding means, and a line for delivering syrup from the source of syrup under pressure to said beverage holding means on opening said valve, said syrup delivery line being in constant communication with said beverage holding means, whereby the beverage in said beverage holding means is constantly pressurized for dispensing thereof on opening said valve and for replenishing said beverage holding means with water and syrup with the total amount of water and syrup corresponding to the amount of beverage dispensed, the water and syrup supplied to said beverage holding means on dispensing of the beverage mixing in said beverage holding means to constitute beverage in amount corresponding to that dispensed, said beverage holding means comprising a mixer in which water and syrup may mix to constitute the beverage, said water delivery line and said syrup delivery line being connected to said mixer and in constant communication therewith, and a beverage delivery line extending from said mixer, said dispensing valve being in said beverage delivery line downstream from said mixer, said system including a cooler, and said beverage delivery line between said mixer and said dispensing valve extending through the cooler.

14. A system for mixing water and syrup to constitute a beverage and for dispensing the beverage comprising means for holding a supply of the beverage under pressure, a dispensing valve interconnected with said beverage holding means adapted on opening for dispensing of beverage from said beverage holding means, and means for supplying water and syrup from respective sources thereof under pressure to said beverage holding means comprising a line for delivering water from the source of water under pressure to said beverage holding means on opening said valve, said water delivery line being in constant communication with said beverage holding means, and a line for delivering syrup from the source of syrup under pressure to said beverage holding means on opening said valve, said syrup delivery line being in constant communication with said beverage holding means, whereby the beverage in said beverage holding means is constantly pressurized for dispensing thereof on opening said valve and for replenishing said beverage holding means with water and syrup with the total amount of water and syrup corresponding to the amount of beverage dispensed, the water and syrup supplied to said beverage holding means on dispensing of the beverage mixing in said beverage holding means to constitute beverage in amount corresponding to that dispensed, at least one of said lines having a flow control therein providing for a substantially constant rate of flow therethrough despite variations in pressure across said flow control.

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