

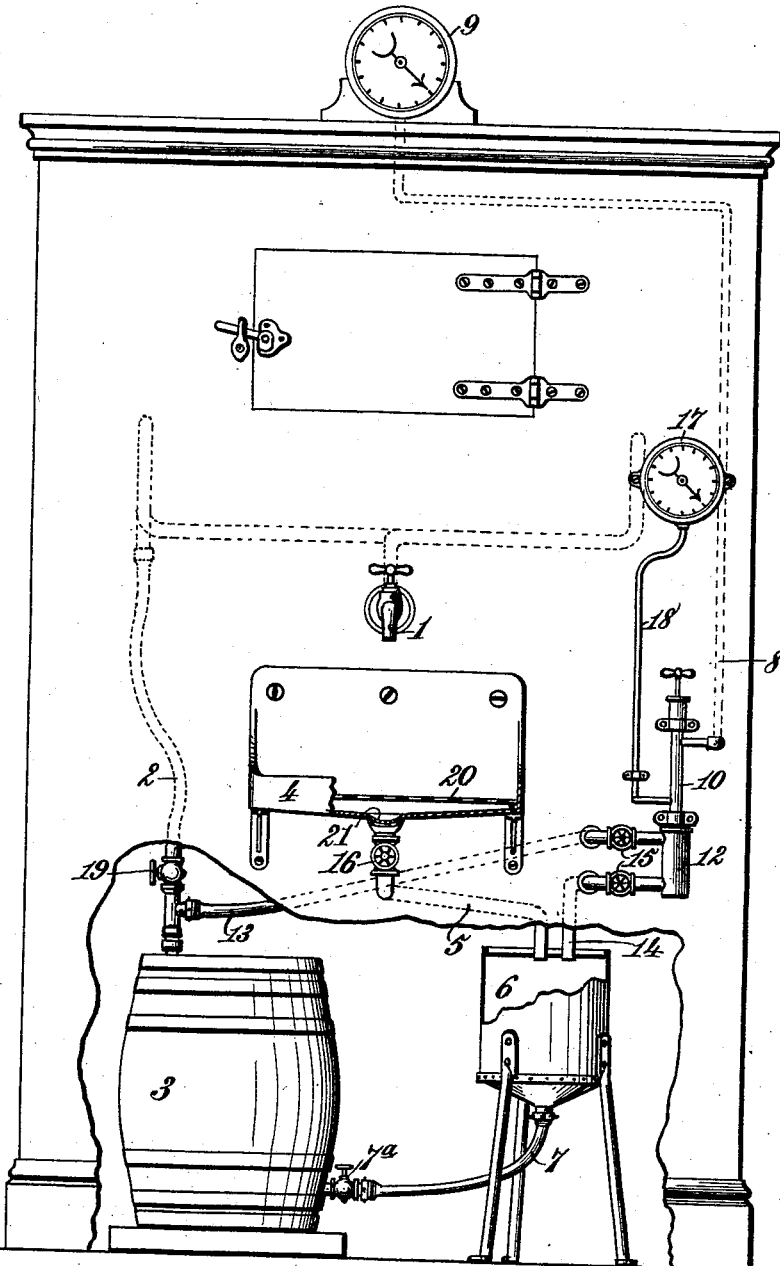
(No Model.)

H. GENOVAR.

APPARATUS FOR COLLECTING DRIPPINGS FROM BEER FAUCETS  
AND RETURNING SAME TO KEGS UNDER GAS PRESSURE.

No. 523,274.

Patented July 17, 1894.



Witnesses  
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# UNITED STATES PATENT OFFICE.

HARRY GENOVAR, OF JACKSONVILLE, FLORIDA.

APPARATUS FOR COLLECTING DRIPPINGS FROM BEER-FAUCETS AND RETURNING SAME TO KEGS UNDER GAS-PRESSURE.

SPECIFICATION forming part of Letters Patent No. 523,274, dated July 17, 1894.

Application filed May 21, 1894. Serial No. 512,002. (No model.)

*To all whom it may concern:*

Be it known that I, HARRY GENOVAR, a citizen of the United States, residing at Jacksonville, in the county of Duval and State of Florida, have invented new and useful Improvements in Apparatus for Collecting the Drippings from Beer-Faucets and Returning the Same to the Keg Under Gas-Pressure, of which the following is a specification.

10 The object of my invention is to provide means whereby the drippings and waste from beer faucets and other sources may be easily and quickly returned to the keg, without loss of gas from the latter and without impairing the quality of the beer.

15 In retailing beer by the glass, it is usually drawn directly from the keg through pipes which traverse a refrigerating chamber, carbonic acid gas being supplied to the keg at a substantially uniform pressure. The presence of large quantities of foam, as the beer comes from the faucet, and the necessity of running off the larger part of the foam, entails a considerable waste, as the beer into which this  
25 foam is resolved soon parts with its gas and becomes stale.

It is the purpose of my invention to provide means whereby this waste may be entirely avoided without involving more than an extremely moderate expense for apparatus which may be easily operated by any person with a small expenditure of time and labor.

30 The invention consists in the several novel features of construction and new combinations of parts hereinafter fully explained and then particularly pointed out and defined in the claims which follow this specification.

To enable others to fully understand my said invention I will proceed to describe the same in detail, reference being had, for this purpose, to the accompanying drawing, in which, the figure is a diagram showing the arrangement of pipes and their connection with the keg and pump.

45 The reference-numeral 1, in said drawing, indicates the faucet from which the beer is drawn, a pipe 2 connecting said faucet with the keg 3, which is located at any suitable point. Beneath the faucet is arranged a drip-pan 4, of any ordinary form, communicating

by means of a pipe 5 with a closed chamber 6, located beneath the drip-pan. The bottom of the closed chamber 6 is entered by a pipe 7 which has communication with the bottom or lower portion of the keg 3, and is provided with a cock 7<sup>a</sup>. The keg is supplied with carbonic acid gas under pressure from a source, and by means, of the kind ordinarily used for this purpose. The pipe 8, through which the gas is conducted, leads from the pressure-gage 9 to the barrel of a gas-forcing pump 10, said pump having communication at its lower end with a head 12 from which two separate pipes 13 and 14 communicate with the keg 3 and the closed chamber 6, respectively. Each of said pipes is provided with a cock, or shut-off 15, and a similar shut-off 16 is placed in the pipe 5, which leads from the drip-pan 4 to closed chamber 6. A pressure-gage 17 is connected with the barrel of the pump 10 by means of a pipe 18.

As beer is drawn from the faucet 1, the drip and waste is caught by the drip-pan 4, whence it passes by way of the pipe 5 to the closed chamber 6. When the latter is filled to a suitable point, the cock 16 in the pipe 5 is closed, as well as the cock 15 in the pipe 13. The similar cock in the pipe 14, which was previously closed, is now opened, to permit the gas to flow to the closed chamber 6. The pump 10 is now operated until the pressure in said chamber is greater than that in the keg, which will be indicated by the pressure-gage 17. The cock 7<sup>a</sup>, in the pipe 7, which has previously been closed, is now opened and the contents of the closed chamber 6 are forced by the pressure of the gas into the keg.

When the chamber 6 is emptied, which will be indicated by the bubbling of the gas in the keg, the cock in the pipes 14 and 7 are closed and that in the pipe 13 is opened, as well as the cock 16, the latter allowing the gas-pressure to escape and the waste beer to again flow to the closed chamber from the drip-pan.

The operation may be repeated as often as necessary, and as it occupies only a few moments, and requires but slight exertion of power, it is unnecessary that the drippings of beer should remain in the closed chamber 6 until they become unpleasantly stale.

It will readily be understood that I may connect the pressure-gage 17 with the closed chamber 6, or with the pipe 14.

5 The pipe by which compressed air is supplied to the keg, enters the same below a cock 19 in the pipe 2. The drip-pan is provided with a strainer 20 in, or near, its bottom, and a fine strainer 21 is inserted in the mouth of the pipe 5, just beneath the drip-pan, where-  
10 by all foreign matter is removed so that the pipes can not become obstructed, or the beer injured by impurities, or foreign substances which are insoluble.

What I claim is—

15 1. The combination with means for drawing beer under pressure, of a closed chamber communicating with a drip-pan and with the keg, a pipe bringing gas from the gas-pressure main to the closed chamber, a pump, and cocks  
20 for said pipes substantially as described.

2. The combination with a faucet connected with a beer-keg by a pipe, of a drip-pan, a closed chamber connected to said drip-pan and to the keg by pipes having cocks, a gas-  
25 pressure main having a head communicating with the closed chamber and keg by pipes having cocks, and a pump having connection with the pressure main and with the head, substantially as described.

30 3. The combination with a faucet connected

by a pipe with a keg of beer, of a closed chamber connected to a drip-pan beneath said faucet and to the keg by pipes having suitable cocks, a gas pressure main, a pump-barrel with which the main has communication, a  
35 head into which gas is forced by said pump, pipes having cocks and connecting said head with the closed chamber and keg, respectively, a pressure-gage for said main and a separate pressure-gage for indicating the  
40 pressure in the closed chamber, substantially as described.

4. The combination with a faucet for drawing beer from a keg, of a chamber adapted to receive the drip and waste, a cock to close  
45 said chamber, a gas-pressure main connected by a pipe with a head, separate pipes connecting the head with the keg and the chamber containing the waste beer, cocks for opening and closing said pipes and a gas-forcing pump  
50 connected with the head, substantially as described.

In testimony whereof I have hereunto set my hand and affixed my seal in presence of two subscribing witnesses.

HARRY GENOVAR. [L. S.]

Witnesses:

LULA MORDT,  
L. W. MORDT.