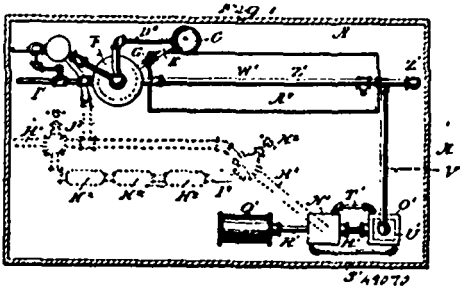


compelling circulation of the refrigerating agent through an expansion coil consisting in admitting the same to the coil in conjunction with an air blast or current from behind, for the purposes set forth. 3rd. The described method of feeding a refrigerating agent to an expansion coil consisting in maintaining a vacuum in the coil and feeding the said agent under pressure to the coil in the same receptacle or conveyor and in conjunction with a blast of air, for the



purposes set forth. 4th. In a refrigerating process, involving the vaporization of carbon bisulphide in the presence of air and the separation of the two, the method of aiding the separation and the condensation of the carbon bisulphide, consisting in passing the mingled gases through a bath of a solution of water and material such as glycerine, for the purposes set forth. 5th. The combination of a separating tank, a supply pipe for the refrigerating agent connecting with the lower part of said separating tank, and an air supply pipe connecting with the upper part thereof, means to mix the air and refrigerating agent, at or near the expansion device, said expansion device itself, a vacuum and compression device, and a condensing coil, for the purposes set forth. 6th. The combination of a separating tank, a supply pipe for the refrigerating agent connecting with the lower part of said separating tank, an air supply pipe connecting with the upper part thereof, means to mix the air and refrigerating agent at or near the expansion device, said expansion device itself, a vacuum and compression device, azotising devices connected with the suction or return pipe, and a condensing coil, for the purposes set forth. 7th. The combination of a separating tank, a supply pipe for the refrigerating agent connecting with the lower part of said separating tank, an air supply pipe connecting with the upper part thereof, means to mix the air and refrigerating agent at or near the expansion device, said expansion device itself, a vacuum and compression device, a condensing coil, and a pipe connecting the separating chamber with the vacuum and compression device, for the purposes set forth. 8th. The combination of a separating tank, a supply pipe for the refrigerating agent connecting with the lower part of said separating tank, an air supply pipe connecting with the upper part thereof, means to mix the air and refrigerating agent at or near the expansion device, said expansion device itself, a vacuum and compression device, a condensing coil, a pipe connecting the separating chamber with the vacuum and compression device, and an azotising device connected with the suction or return pipe, for the purposes set forth. 9th. The combination of a separating tank, a supply pipe for the refrigerating agent connecting with the lower part of said separating tank, an air supply pipe connecting with the upper part thereof, means to mix the air and refrigerating agent at or near the expansion device, said expansion device itself, a vacuum and compression device, a condensing coil, and a supplemental low temperature device placed in the air supply pipe, for the purposes set forth. 10th. The combination of a separating tank, a supply pipe for the refrigerating agent connecting with the lower part of said separating tank, an air supply pipe connecting with the upper part thereof, means to mix the air and refrigerating agent at or near the expansion device, said expansion device itself, a vacuum and compression device, azotising devices connected with the suction or return pipe, a condensing coil, and a supplemental low temperature device placed in the air supply pipe, for the purposes set forth. 11th. The combination of a separating tank, a supply pipe for the refrigerating agent connecting with the lower part of said separating tank, an air supply pipe connecting with the upper part thereof, means to mix the air and refrigerating agent at or near the expansion device, said expansion device itself, a vacuum and compression device, a condensing coil, a pipe connecting the separating chamber with the vacuum and compression device, and an azotising device connected with the suction or return pipe, and a supplemental low temperature device placed in the air supply pipe, for the purposes set forth. 12th. The combination of a separating tank, a supply pipe for the refrigerating agent connecting with the lower part of said separating tank, an air supply pipe connecting with the upper part thereof, means to mix the air and refrigerating agent at or near the expansion device, said expansion device itself, a vacuum and compression device, a condensing coil, a pipe connecting the separating chamber with the vacuum and compression device, an azotising device connected with the suction or return pipe, and a supplemental low temperature device placed in the air supply pipe, for the purposes set forth. 13th. In a refrigerating system, a separating tank, a supply pipe for the refrigerating agent connecting with it at one end, and an air supply pipe at the other end, means to generate pressure

on the entire contents of the separating tank, and an injecting device to mix the refrigerating agent and the air at the expansion device, for the purposes set forth. 14th. In a refrigerating system, a separating tank, a supply pipe for the refrigerating agent, connecting with it at one end and an air supply pipe at the other end, means to generate pressure on the entire contents of the separating tank, means to mix the refrigerating agent and the air at the expansion device, and a low temperature device placed in the air supply pipe, for the purposes set forth. 15th. The combination of a filling and reserve supply tank connecting with a separating tank, and air and refrigerating agent supply pipes also connecting with said separating tank, a suction or return pipe, a vacuum and compression device and a condensing coil connected with said last named device and with the separating tank, for the purposes set forth. 16th. The combination of a separating tank, a supply pipe for the refrigerating agent, another pipe for the air supply, both connecting with said tank, means to mix the refrigerating agent and the air at or near the expansion device, said expansion device itself, a suction or return pipe and means to create a partial vacuum in said last named pipe and to force the air or vapours into said separator tank, for the purposes set forth. 17th. The combination of a separating tank, a supply pipe for the refrigerating agent, another pipe for the air supply, both connecting with said tank, means to mix the refrigerating agent and the air at or near the expansion device, said expansion device itself, a suction or return pipe, means to create a partial vacuum in said last named pipe and to force the air or vapours into said separator tank, azotising devices connected with the suction or return pipe, and a supplemental low temperature device placed in the air supply pipe, for the purposes set forth. 18th. The combination of a separating tank, a supply pipe for the refrigerating agent, another pipe for the air supply, both connecting with said tank, means to mix the refrigerating agent and the air at or near the expansion device, said expansion device itself, a suction or return pipe, means to create a partial vacuum in said last named pipe and to force the air or vapours into said separator tank, azotising devices connected with the suction or return pipe, and a supplemental low temperature device placed in the air supply pipe, for the purposes set forth. 19th. In a refrigerating system, a supply pipe for the refrigerating agent under pressure, a supply pipe for the air under pressure, a return pipe for the air and vapours of the refrigerant under partial vacuum, means to maintain the said relation, a separating tank with which said supply pipes connect, a suction and compression device with which said return pipe connects, and a condenser through which the air and vapours are forced into said separating tank, for the purposes set forth. 20th. In a refrigerating system, a supply pipe for the refrigerating agent under pressure, a supply pipe for the air under pressure, a return pipe for the air and vapours of the refrigerant under partial vacuum, means to maintain the said relation, a separating tank with which said supply pipes connect, a suction and compression device with which said return pipe connects, a condenser through which the air and vapours are forced into said separating tank, and means to freeze moisture out of the air located in or connected with the air supply pipe, for the purposes set forth. 21st. In a refrigerating system, a supply pipe for the refrigerating agent under pressure, a supply pipe for the air under pressure, a return pipe for the air and vapours of the refrigerant under partial vacuum, means to maintain the said relation, a separating tank with which said supply pipes connect, a suction and compression device with which said return pipe connects, a condenser through which the air and vapours are forced into said separating tank, and means to azotise the air connected with the suction or return pipe, for the purposes set forth. 22nd. In a refrigerating system, a supply pipe for the refrigerating agent under pressure, a supply pipe for the air under pressure, a return pipe for the air and vapours of the refrigerant under partial vacuum, means to maintain the said relation, a separating tank with which said supply pipes connect, a suction and compression device with which said return pipe connects, a condenser through which the air and vapours are forced into said separating tank, means to azotise the air connected with the suction or return pipe, and means to freeze moisture out of the air located in or connected with the air supply pipe, for the purposes set forth. 23rd. An expansion device for a refrigerating apparatus comprising an inlet for the mixed refrigerant and air, a portion or chamber of the expansion device located adjacent to and lower than the inlet in which any unevaporized part of the refrigerant will collect, and means to force a current of air or gas through said liquid refrigerant from substantially its lower part upwardly, for the purposes set forth. 24th. An expansion device for a refrigerating apparatus comprising an inlet for the mixed refrigerant and air, a portion or chamber of the expansion device located adjacent to and lower than the inlet in which any unevaporized part of the refrigerant will collect, means to enforce a current of air or gas through said liquid refrigerant from substantially its lower part upwardly, and a supply pipe for the refrigerant, and another pipe for the air, and means to generate pressure in both of said pipes, for the purposes set forth. 25th. An expansion device for a refrigerating apparatus comprising an inlet for the mixed refrigerant and air, a portion or chamber of the expansion device located adjacent to and lower than the inlet, in which any unevaporized part of the refrigerant will collect, means to force a current of air or gas through said liquid refrigerant from substantially its lower part upwardly, a supply pipe for the refrigerant and another pipe for the air, means to generate pressure in both of said pipes, and a suction or return pipe connecting the exhaust end of the