This invention relates to a beer cooler keg.

The principal object of this invention is to provide a beer keg having a cooling coil positioned therein.

A further object of this invention is to provide a beer keg having a cooling coil of simple inexpensive construction positioned therein.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed, can be made within the scope of what is claimed, without departing from the spirit of the invention.

The invention is illustrated in the accompanying drawing, wherein:

Figure 1 is a side elevation of the beer cooler keg showing parts in cross section.

Figure 2 is a sectional view taken on line 2—2 of Figure 1, and has a section line 1—1 showing the position of the cross section shown in Figure 1.

Figure 3 is a detail of a portion of the device shown in Figure 1.

By referring to the drawing it will be seen that there is provided a keg 1 having a bottom portion 2 and a head portion 3. A primary convolution 4, formed of any suitable material, is positioned within the keg and is constructed so that a secondary convolution 5 is formed in a horizontal position at its lower extremities. The convolutions 4 and 5 are provided with an inlet 6 and an outlet 7. An L-shaped brace member 8 is positioned on the right hand side of the convolutions 4 and 5 and welded to portions thereof.

An upright section 9 of the coil connects the outlet 7 with the secondary convolution 5, and is welded to the other sections of the coil at various places.

By referring to Figure 2 of the drawing it will be seen that there is provided a pair of connecting tubes 10 and 11 which serve to connect the various sections of the secondary convolution 5 to one another and provide the passage from the convolutions to the upright section. A plurality of short spikes 12 are formed on the brace of the lower section of the convolution 5 and are adapted to be driven downwardly into the bottom 2 of the keg when the coil is installed in the keg.

Where the inlet and outlet portions of the coil pass through the head 3, a simple inexpensive form of locking means is provided. This locking means is shown in detail in Figure 3, and comprises a threaded cone-shaped sleeve 13 positioned on the inlet or outlet tubes. A pair of soft metallic washers 14 are provided to insure a tight seal with the head 3, and a nut 15 is positioned on the upper threaded end of the sleeve 13.

It is apparent that the cooling liquid pumped through this coil can readily circulate through the various portions thereof due to the novel construction of the lower sections of the coil. At the same time the coil is sturdily formed and therefore easily installed in the keg by driving it downwardly until the spikes 12 seat themselves in the keg bottom 2. The head of the keg is then inserted and the nuts 15 tightened down on the head section, thus insuring the positive positioning of the coil within the keg.

The cooler keg provided will effectively cool beer or other liquids when a suitable cooling agent is passed through the coil.

What I claim is:

1. In a beverage container comprising a keg having a coil positioned therein, said coil comprising a primary convolution and a secondary convolution, said secondary convolution having a plurality of connecting tubes formed as a part thereof, means for holding said coil in position in the said keg, said means comprising a plurality of short spikes formed on the connecting tubes of said coil, and adapted to be driven into the bottom of the said keg.

2. A cooler keg comprising a coil positioned within a keg, said coil formed of a plurality of spiral turns and a flat convolution on its lower portion, said flat convolution having a plurality of connecting tubes forming a passage for the cooling agent, a brace member on one side of said coil cooperating with an upright section of the outlet tube of the coil on the other side of said coil, both adapted to hold the complete coil erect within the keg, short spikes formed on the brace and connecting tube portions adapted to be driven into the keg bottom to securely position the complete coil within the keg.