

of hot water. To one tube add one drop of saturated calcium sulphate solution and shake to mix. To each tube add five drops of ammonium oxalate solution. Stopper the tubes and shake for about two minutes. Compare the two. A white precipitate at least as heavy as the one in the tube to which the calcium sulphate was added should form in the second if calcium is present.

AN INDESTRUCTIBLE STEAM BATH.

RALPH W. HUFFERD, DePauw University.

The lack of durability and high cost of commercial constant-level steam-baths put out by supply houses led the writer to devise one from standard plumbing supplies. This bath has been found to be very satisfactory and practically indestructible. The cost is about one-third that of those on the market.

The bath consists of a standard pipe coupling with a plug screwed in. The constant-level device is made up by screwing two $\frac{1}{2}$ -inch nipples $1\frac{1}{2}$ inches long into a $\frac{1}{2}$ -inch T. Into the third opening of the T is screwed a one-hole rubber stopper carrying a piece of glass tubing. This tube is raised or lowered to regulate the level. Water is introduced by means of a second piece of tubing bent into the shape of a hook and hung into the top nipple.

To attach the leveling device, a hole is drilled into the coupling just above the plug. The hole is threaded.

The writer has baths made from both four and five-inch couplings. When needed, rings from discarded commercial baths are used.