Spencer, W. P. Etherizing bottle. The bottle I am now using is an adaptation of the one described by H. J. Muller in DIS-2.

Wide-mouthed heavy glass, specimen bottle of about 60 cc. capacity; cork to fit. A hole 3/4 inch in diameter is cut through the cork with a large borer and then reamed out so that a large gelatine capsule, diameter 3/4 inch and length 1-7/8 inch can be fitted into the lower end of this hole. It is pushed in but not glued. With a hot needle numerous holes are punched in lower end of capsule. An aluminum funnel 2-1/2 inches long rests in the cork and sticks well down into the capsule. Cotton is packed in the bottom of the bottle and before using a pipette full of ether is introduced. Then the cork with capsule is inserted, the funnel laid in place and the flies jarred into the capsule. When they are etherized the funnel is removed and the flies poured out on the counting card. Etherization time is slightly longer than with the Bridges type etherizer. Simplicity of construction, ease of cleaning, and the fact that capsules are easily replaced are advantages. If the bottle is kept covered when not in use one pipette of ether lasts for hours.

Recently a workman in our laboratory constructed 15 of these etherizers in two hours time.

Total cost:

Construction time -- 10 minutes
1 large cork --------.02 cents
1 gelatine capsule -.02 "
1 alumin. funnel ---.10 "
1 specimen bottle --.15 "

Stern, Curt and etherizer. Food-filling funnel A funnel has been constructed which facilitates the filling of food-bottles. The funnel is made of metal and has a capacity sufficient for food for about 60 bottles. It has a metal faucet which is easy to handle. The funnel is mounted on a stand but can be detached for cleaning purposes. Below the funnel opening the stand has a hole through which extra drops of the food fall through, so that the bottles do not get dirty. The base of the stand has a rail which guides the bottles. This funnel can be obtained from the Will Corporation, Rochester, N.Y. A similar model has been in use for many years at the Kaiser Wilhelm Institut and has proven a great help in reducing the time and labor involved in the preparation of fly-food.

The Will Corporation has also on sale an etherizing glass following in general the design of C. B. Bridges (32) given in Amer. Nat., 66:250-273. An improvement consists of the following: Instead of a small funnel and a layer of plaster of Paris which have to be fitted and fastened into each glass individually, a one piece metal funnel and ether holder is used which fits in without special fastening devices. (Copied from DIS-1:57).