





FIG. 1.

Fig. 1 illustrates how the marks would be in animal No. 201,111.

The clipping of tails for numbering animals is only applicable to certain species and, in some of these, it should be used with the greatest care. A clipped tail indicates animal No. 150,000. Then by combining the clipped tails with the previous parts of the system, a total of 299,999 animals may be numbered.

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#### PERMANENT MOUNTS OF HELMINTH EGGS IN AQUEOUS PRESERVING FLUIDS

It is often desirable to prepare permanent mounts of helminth eggs by a simple technique which will eliminate the shrinkage and distortion that frequently occur in the longer process of dehydration and subsequent mounting in damar. In the following technique the eggs are mounted permanently on the slide in 4 per cent. formaldehyde: (1) Place the slide on a turn table and ring a cell with "Murrayite"; (2) fill the cell immediately with the preserving fluid (4 per cent. formaldehyde) containing the eggs. An excess of the preserving fluid should be placed in the cell to prevent trapping air bubbles; (3) place a circular coverglass in position immediately. With gentle pressure of the index fingers rotate the coverglass through an arc of

approximately 30 degrees, thus pressing the edge into the soft cement. Usually the coverglass will adhere, even though the rim may have become wet with the overflowing preserving fluid; (4) allow the slide to dry over night and then re-ring it to insure a more permanent seal; (5) twenty-four hours later the slide can be rinsed in running water, dried with a cloth and labelled.

Similar permanent mounts of adults and larvae of *Trichinella spiralis* have been made by preserving them in an aqueous solution of 4 per cent. formaldehyde and 30 per cent. glycerine.

"Murrayite" adheres readily to the coverglass, even though the coverglass has been moistened previously with the preserving fluid. This is a distinct advantage, since in the use of other ringing cements it is necessary that the edges of the coverglass be absolutely dry. "Murrayite" is a spirit-proof cement used in sealing museum jars and microscopic fluid mounts. It was invented by Dr. C. Hay Murray, of Liverpool, and is sold by one or more American biological supply houses.

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