

what proportion of the crop is saved by spraying. A careful experiment was made on one occasion, at the Geneva Experiment Station, N. Y. The trees were mostly Fall Pippins, and every alternate tree was treated twice in the month of June, first about the 3rd, and then again about the middle. The total number of apples was carefully counted, also the total number of sound and of wormy apples, and the percentage of wormy apples was carefully estimated for both sets of trees. The result showed 13 per cent. of wormy apples on the sprayed trees, and 35 per cent. of those not sprayed. This would amount to 22 barrels out of a hundred saved by spraying; and estimating the value at \$1 per barrel, the gain would be somewhere about \$22 per acre of orchard.

Judging from my own experience, I do not believe that this estimate is too high.



FIG. 943.—AYLMER PUMP.

While packing my apples and pears last season, I was more than ever convinced of the great benefit of spraying with Paris green. In some portions inaccessible to the waggon, this treatment was neglected, and, as a result, an immense crop of Codling moths was harvested, and innumerable apples wasted; while those trees carefully treated were almost free from this mischief-maker. And that is not the only benefit; indeed, quite as important is the perfection of form of the sprayed fruit. A Duchess apple tree always bore knotty fruit previously, but since being treated by Paris green its fruit has been perfect.