squeezer is put 10 inches in advance of the second one, which in turn is placed the same distance ahead as soon as the wrapping has proceeded so far, etc.

The wrapping machine (Figs. 45 and 46) consists of a drum, formed of two light cast iron frames connected by wooden shrouding, which revolves on a cast iron barrel, that under considerable pressure can slide on the cable, but otherwise is immovable. On the same barrel, but independent from the drum, a ring $\overline{mm}$ with a steel facing revolves, which has two arms, one having at the end a little roller, the other a weight. In the steel face of this ring, there is a small groove $\overline{PP}$, which runs in the line of the tangent from the circumference of the cable to the just mentioned roller. The whole apparatus is in two halves, which are screwed together after being placed on the cable. The wrapping wire, which is coiled on the drum, passes from here over the roller, through the groove, to the cable where its end is fastened. Now the drum is turned in