NOTES ON THE THEORY OF SHAFT GOVERNORS.

represented by a line parallel to and above D C, as $F C_1$. If the constant friction of the valve-gear acts against centrifugal force, or with the spring, then $F_1 C_2$, parallel to D C, may represent its

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effect. In the former of these cases the maximum spring force becomes A F, and the maximum spring tension A C_1 , while in the latter case these quantities become A F_1 and A C_2 .

In some constructions the connection between the governor and the valve-gear is such as to produce a variable effect of fric-



tion. This is the case with the "Buckeye" governor, shown in Fig. 13, in which, moreover, this friction has a centripetal effect.

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