

DETAILS OF COMPOUND ENGINE WITH ASHWORTH'S VARIABLE EXPANSION GEAR.

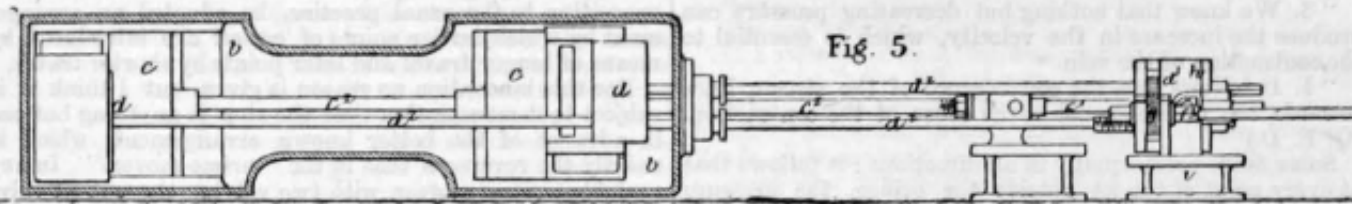


Fig. 5.

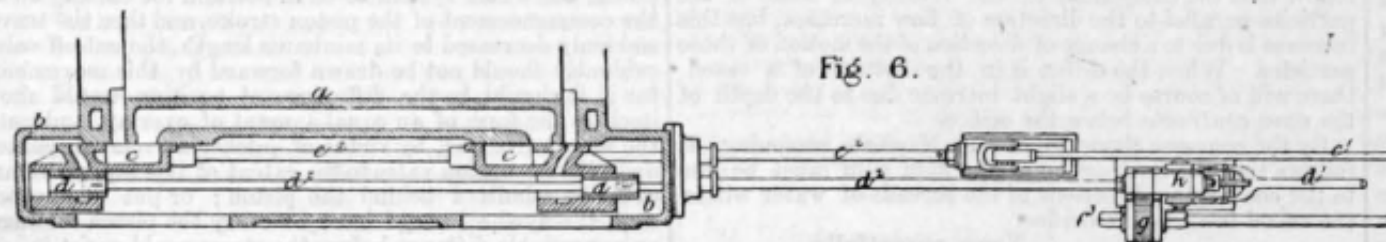


Fig. 6.

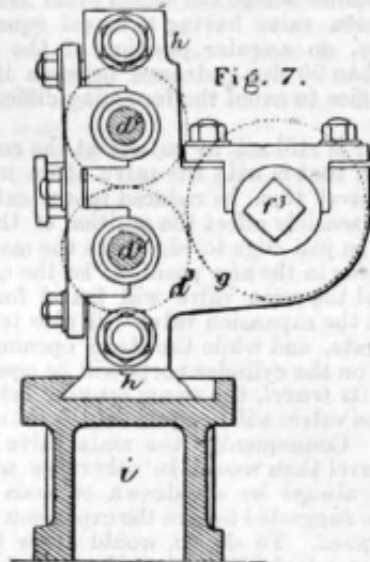
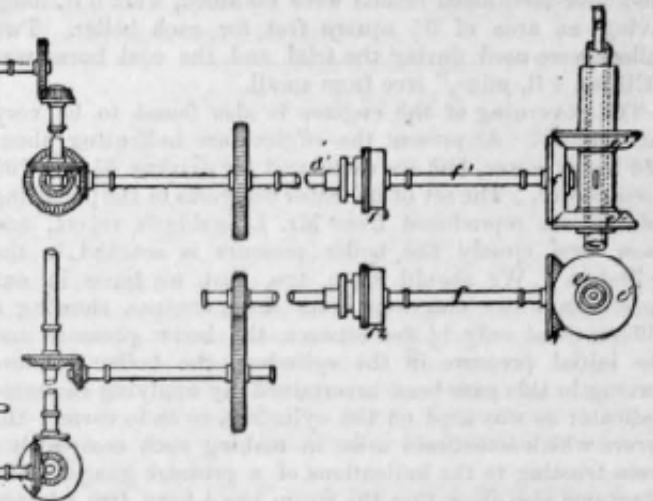


Fig. 7.

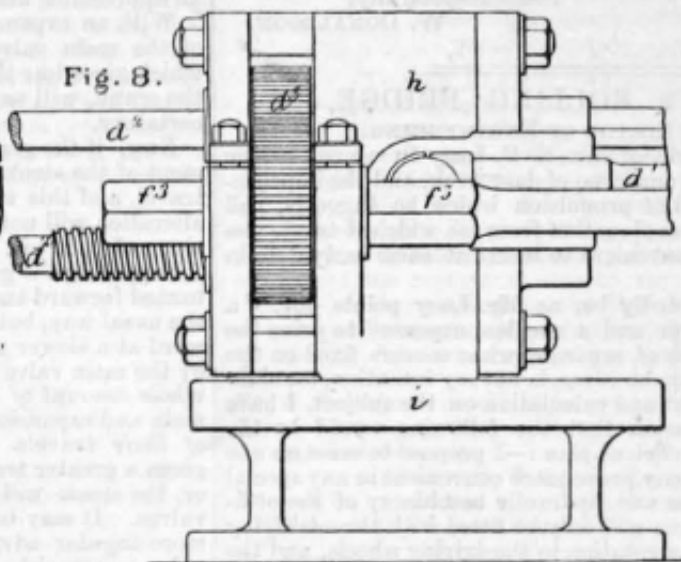


Fig. 8.

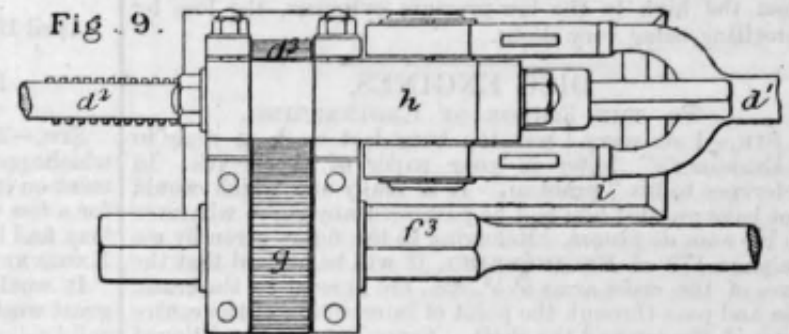


Fig. 9.

are not turned round, and the expansion valves dd remain at the distance apart which is due to the load on the engine. On the other hand, when the governor balls expand owing to an increased velocity of the engine, the bevel disc e^2 is raised into contact with the friction pulley f , thereby starting the shafts f^1, f^2 , and pinion g which gears into the lower pinion d^3 , (see Figs. 7 and 8); the pinions d^3 being thus turned round and in opposite directions cause one of the screws d^2 to be