sympathy."

HINTS TO EMPLOYES.—There is only one spirit that achieves a great success. The man who seeks only how to make himself most useful, whose aim is to render himself indispensable to ily made, and not liable to spontaneous explohis employer, whose whole being is animated sion, but it develops, when intentionally fired with the purpose to fill the largest possible place by a spark, a force thirty-five times as great as in the wall assigned to him, has, in the exhibi- gunpowder, and fifteen per cent. greater than tion of that spirit, the guaranty of success. He that of guncotton. To make bellite, benzine is commands the situation, and shall walk in the treated with a mixture of sulphuric and nitric light of prosperity all his days. On the other acids. The sulphuric acid should be of the fumhand, the man who accepts the unwholesome ing kind, which is nearly free from water; and advice of the demagogue, and seeks only how the proportion of nitric acid should be somehis place and not lose his employment altogeth- the mixed acids in contact with the benzine for active list.

moulds. These are packed in boxes and the pound.

friends have alabaster boxes laid away, full of latter placed in a furnace, where they are subperfumes of sympathy and affection, which jected to the most intense heat. The capacity they intend to break over me when I am silent of an ordinary furnace is forty-five thousand in death, I would rather they would bring them carbons. Through the use of a movable furnace out in my weary hours, and open them, that I roof, the patent on which forms the subject of may be refreshed and cheered by them while I contention, two furnaces are constructed side by need them. I would rather have a bare coffin, side, and while the carbons in one are being without a flower, and a funeral without a culo-burned, the other is loaded with boxes and gy, than a life without the sweetness of love and moulds. Under this system, two men load a furnace in one day, the carbons are thoroughly burned in five days, and the cooling process continues only twenty-four hours.

Bellite.-This explosive is inexpensive, easlittle he may do, and how easy he may render what larger than that of the other. By keeping er, is unfit for service. As soon as there is a some time, at a temperature rather above that supernumerary on the list, he becomes disen- of boiling water, the benzine is converted into gaged as least valuable to his employer. The trinitrobenzine, which is washed, so as to clear man who is afraid of doing too much is near of away all traces of free nitric acid, and then it is kin to him who seeks to do nothing, and was mixed with nitrate of ammonia, which is the begot in the same family. They are neither of common substance used for producing nitrous them, in the remotest degree, a relation of the oxide gas. The mixture, if the free acid is man whose willingness to do everything possi- thoroughly washed away, is very stable. Unble to his touch places him at the head of the like dynamite, which explodes so readily from concussion that in heavy charges only every tenth cartridge is fired directly, the others be-ELECTRIC CARBONS.—The manufacture of car- ing all exploded with certainty by sympathy, a bons for electric lights has become an impor- charge of bellite can not be ignited by a blow tant business. At a trial in Cleveland, for al- or by friction. A shell charged with it strikes leged infringement of patent, a witness testified its object without exploding, unless a fulminatthat out of one hundred and fifty thousand car- ing fuse is attached to it, and a magazine filled bons burned daily in the United States, one with it may be struck by projectiles without hundred thousand are manufactured in Cleve- danger. When applied to use, however, its land, where there are twenty furnaces. The force is enormous. A charge of less than half carbons are made chiefly of the residuum of oil an ounce, placed in a mortar behind a sheil after it has been refined, but the deposit about weighing ninety pounds, projected the shell to natural gas wells is also coming into use. The a distance of nearly four hundred feet; and its material is ground to powder, a little pitch is efficacy in detaching rock in a quarry, proves added, and the substance is then placed in greater than that of any nitroglycerine com-