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removal of the grease before it is discharged into the septic tank. Grease seriously interferes with septic action if present in large proportions.

After the treatment of the sewage in the septic tank whereby the solid particles of sewage are removed, the sanitary disposal of the clarified effluent is of importance. Although the solids have been removed from the sewage, it must be remembered that the waste is not necessarily pure and in any installation of this sort the sanitary disposal of these wastes is of great importance. If there is a stream which is not used for recreational purposes or as a source of water supply and where the flow during the dry weather is large as compared to the flow of sewage so that the dilution of the tank effluent is many-fold, the effluent from the tank may be discharged into this stream. If, however, the stream meanders through the golf course or if there is a lake nearby which is used for bathing, some further treatment of the effluent will be required.

In country clubs and rural residences, where the soil conditions are such that the water is readily absorbed, the disposal may be done by absorbing it in the upper layers of the earth. This is accomplished by means of a series of tile lines laid with open joints. This method of disposal applies whether the flow is one of gravity or if the tank effluent must be pumped.

In some locations, where the supply of water, particularly during the summer season, greatly falls off, the absorption field may be laid on the golf course in the fairways or such other locations where the texture of the grass need not necessarily be fine.

A Typical Installation

The diagram accompanying serves to give a comprehensible idea of a sewage treatment plant installed at a clubhouse in New York state. You will note the location of the tank, the by-passing of the shower bath water around the tank and its being conducted into a sump tank. The electric pump is situated in the basement of the club, under the shower room. By this arrangement it is accessible during all seasons of the year. From the tank the settled sewage is pumped up the hill, where it is discharged into the absorption bed situated under the golf course.

The foregoing descriptions and illustrations are some of the tentative arrangements for club layouts.

Honor Ross. 30 Years at Pinehurst

ONE of the most unusual golf gatherings in American history of the sport was that which met at the Pinehurst C. C. on the night of March 20 for a complimentary banquet to Donald J. Ross, noted golf architect, who this season is rounding out 30 years as head of Pinehurst's golf department.

Nearly two hundred prominent linksmen gathered at the Ross testimonial banquet.

Rev. T. A. Cheatham of Pinehurst, himself an ardent linksman, was toastmaster, and seated at the banquet tables were many of the Tin Whistle club, Pinehurst's famous organization of golfers formed there more than 26 years ago. The general chairman was Mr. George W. Statzell of Philadelphia. With him on the committee were Mr. Henry C. Fownes of Pittsburgh, member of one of the country's oldest golfing families; Mr. Charles B. Hudson of North Fork, L. I., secretary and treasurer of the Tin Whistles club; Charton L. Becker of Philadelphia, captain and manager of the Tin Whistles club, and John J. Fitzgerald of Osterville, Mass.

Donald Ross has made many notable friends in his time, and they did not forget that they knew him, though they were far distant, when the banquet was on. Edgar A. Guest, Detroit's homespun 'Homer, sent a touching telegram of congratulation. So did Frank B. Kellogg, Frank Presbrey, Professor John Bassett Moore and numerous others not so well known.

The principal speaker at the banquet was John H. Fahey of Boston, former president of the United States Chamber of Commerce, a very old friend and comrade of Mr. Ross. Mr. Fahey declared emphatically that the game never would have been what it is today in America but for the pioneering of Donald Ross. He recalled how Ross had built the No. 2 championship course of Pinehurst and how its trapping had set the golf world bubbling over. He lauded the geniality of the veteran Scotchman, declaring that it was the winning Ross smile that had added to the happiness of the country by helping the cause of golf.

Mr. Arthur S. Creamer of Southern Pines said that the building of great courses was only secondary when thinking of Donald Ross. It was, he declared, the great modesty and fine character of the man that was of the most importance.