Equipment for Eighteen Holes

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As a member of your committee on the Care and
Housing of Equipment I would like to have worked
in co-operation with the other members of the committee,
but the time for the preparation of this paper was very
short, considering our trying duties at this time, and the
distance between did not allow us to get together.

I have worked out a list of what I consider a minimum
of equipment needed to operate an 18-hole course. This
list is itemized on the following page.

When I made this list up I may have been somewhat
conservative for I had in mind a new course just starting
off on its journey, and should it live and grow it will ac-
quire more of the items most needed as the needs mani-
fest themselves. Even then I like to keep within limited
bounds as most clubs just starting out are usually spent
out after purchase of the ground and cost of construc-
tion. By this I do not mean skimping on any of the
items but having enough equipment to do the work well
and without delay, but carrying no surplus at least the
first year. This will also prove wise because improve-
ments in golf course equip-
ment are quite rapid. Bet-
ter things are coming out
yearly.

I have not attempted in
this paper to name any
specific make of machine
as some of us have a
preference for one manu-
facturer's product and
some for another. Nearly
all of the standard equip-
ment on the market today
will do good work if proper-
ly operated and cared for. I
purchase because of durabil-
ity, simplicity of adjustment,
ease of repair and ability to get repair parts quickly.

I also have made it a practice to make all repairs at
home where possible and no special equipment or ma-
chinery is required. I find we can do much without an
expert mechanic or an elaborately equipped shop.

In somewhat over twelve years of experience, it has
not been my good fortune to have been connected with
a club that has had buildings enough, or large enough
to properly house its equipment. The larger items such
as fairway and rough mowers, all rollers, soil screen, etc.,
usually must stand out in sunshine and in rain from
sometime in April until October or even November, and
it is really remarkable how well they do the work con-
sidering what little care they get.

In the fall we usually jam them in somehow and some-
where under a roof if
nothing more, that we
hope will protect them
from the ravages of the
winter with its snows and
sleets. While the average
greenkeeper may not be
able to do any better, it is
poor economy, as under
these conditions equip-
ment will deteriorate very
quickly.

Upper, seventh green; lower left, thirteenth green, and lower right, eighth
fairway at Glen Oaks Golf and Country Club, Great Neck, L. I.
Equipment Needed for 18-Hole Course

1—heavy duty tractor, Fordson or Toro, equipped with smooth and rough wheels, also power pulley
1—light tractor, Staude, Worthington, or Roseman
2—dump carts, trailing type
2—Ford ton trucks, dump bodies
1—manure spreader
1—fertilizer drill
1—2000 lb. roller
1—500 lb. hand roller
3—light putting rollers
1—soil screen, power type
1—2½ H. P. gas engine to operate screen
1—5-unit fairway mower complete with frame
2—extra 30 in. units for above
1—rough cutting mower, farm type, sickle bar
6—putting green mowers
6—lawn mowers
4—scythes, 6 hand-sickles, 12 scythe stones
2—flexible steel mats for rubbing in top dressing
1—Champion sod cutter
2—sod lifting irons
2—turf edging knives
1—set turf repairing tools
6—round point shovels
12—square point shovels
6—spading forks
6—manure forks
6—spades
12—wood lawn rakes
12—iron rakes
3—trap rakes
3—R. R. picks
3—Mattocks
1—50 gal. barrel on wheels with sprinkler boom
1—5 gal knapsack sprayer
1—proportioner
12—green sprinklers
1200 Ft. 3/4 in. hose
1—fairway sprinkler (3 units)
500 Ft. 1 in. or 1½ in. hose
18—tee stands
18—sets tee markers
24—hole rims
24—flag poles, 18 flags
3—ball washers
1—lawn cleaner rake
1—lawn cleaner brush
6—bamboo rakes
1—water grindstone, 1 emery grindstone, 1 sickle grinder
2—chopping axes, 1 cross cut saw
1—carpenters hand saw, Xcut
1—carpenters hand saw, rip
1—nail hammer
1—set pipe dies 3/4 to 1 in., 1 set pipe dies 1 to 2 in., optional
1—pipe cutter, optional
1—14 in. Stillson wrench, optional
1—18 in. Stillson wrench, optional
1—24 in. Stillson wrench, optional
1—36 in. Stillson wrench, optional

Shop Equipment Also Optional
1—post drill and drills 3/8 to 1/2 in.
1—iron bench vise
1—blacksmith forge and anvil
4—ball pein hammers assorted weights
1—small hand drill and drills
1—breast drill and drills
1—hacksaw frame and blades
6—screwdrivers assorted sizes
12—flat wrenches assorted sizes
1—socket wrench set
12—small hand oilers
4—small pressure oilers

Stock of assorted bolts and nuts and lock washers.

I am firmly convinced that it would be real economy for any club to build what I would call a golf barn, a single unit or on the ell plan and two stories above ground. On the ground floor the motor equipment and other heavy implements with the shop in the center if possible. The upper floor would house seeds, fertilizers, and the smaller and lighter equipment. A home-made elevator could be installed to lift and lower supplies and equipment.

After outside operations on the course have come to a halt, all machinery and other equipment used during the summer should be carefully gone over, cleaned, worn parts replaced, and well painted with a good paint that will stand the weather. All mowers should be carefully sharpened or sent away. I prefer to have them done at home.

Around the new year is also a good time to place orders for any new equipment needed for the following summer. This is especially true where it requires the red tape of passing through the various club committees for the necessary O. K. before final placing of the order with the dealer. We all know the importance of having supplies and equipment at hand when spring opens.

The spring rush (and often it does come with a rush), getting ready and set for the opening day means work and worry. Then is the time you will appreciate having your materials at hand and your equipment in A1 shape and I am sure you will be relieved of a lot of mental anguish.