Jersey Municipal Course Solves Tee Wear Problem

By GENE F. HAMPSON

COMBINATION of a suggestion carried in GOLFDOM (May, 1934) plus a bit of experimenting has enabled the maintenance department of the Union County Park commission in New Jersey to solve one of the great problems confronting them at their attractive 27-hole Galloping Hill public golf course at Kenilworth.

The problem which appears to be solved is that of suitable tees, always a leading trouble-maker for officials of public links. Because of the heavy traffic this Jersey course, which has proved popular ever since its construction, tees were cut up more quickly than workers could repair them.

Therefore it was up to club officials to seek some substitute for grass which would be sturdy and yet contain as many as possible of the characteristics of a natural tee. The first workable hint came from a GOLFDOM story telling of the use of Masonite by a Mid-Western club.

Tested

Thirty Materials

Jarvis Badgley, assistant superintendent of maintenance for the Union County Park commission, was intrusted with the task of finding whether or not this idea was suitable for Galloping Hill. Badgley tested 30 different materials before he was satisfied that in Insulite he had found the best working material.

Once convinced in his own mind that Insulite was the best available substance, Jarvis ordered the construction of several experimental tees for the Galloping Hills course. Strips were cut from the board, 2½ inches in width and 5 feet in length. The material is approximately ½ inch in thickness.

Boxes to hold the strips were then built, 5 by 10 ft., 2 in. in height. At first they were constructed without bottoms but after some difficulties it was discovered that bottoms were needed. The boxes were sunk into the tees, flush with the surface.

Prior to the installation of the strips, the material was treated with a green stain mixed with gasoline, which not only served to harmonize the tee with its natural setting but also to waterproof the Insulite to some extent. The strips were nailed surface-to-surface into sections of 18 and set edgewise into the boxes, so that the strips extended one-half inch above the turf.

Saves Through No Repairs

The idea of sections was adopted for several reasons. Not only do they handle easier but it is also possible to replace worn sections without disturbing the entire tee. Strips can be turned over when they become worn on one side. It was found that the cost of each tee was approximately \$15 but officials found it a distinct saving over constant repairs to grass surfaces.

To tee-up the golfer simply inserts a wooden tee into the edge of the Insulite. It is easy to push a tee into the material, yet the wood fibers of which it is made grip firmly.

The tees became immediately popular with the public golfers who found that they not only acted quite well on the shot but also afforded them a far better footing than possible on lumpy or badly torn tees. It was early discovered that the mechanical tees were by far the better in wet weather, the footing being secure.

Wood shots act extremely well on the Insulite tees, it being nearly impossible to miss a shot, since the club head glances off the material if hit too deep. While not quite as satisfactory for iron shots, the tees nevertheless are exceedingly serviceable and have been adopted for all shots by many regular players of the course.

A survey conducted by the Union County Park commission revealed the fact that 55% of all players used the artificial tees. On some days this percentage ranged as high as 80 with the resulting saving to grass surfaces, protecting them for the more skillful golfer and enabling workmen to repair them before they became too badly worn.

So popular have the tees become that the idea is being studied by officials of other public courses in New Jersey and they probably will order such tees installed before play opens next spring.

DURING the depression some clubs have forgotten the utility and comfort of wisely located shelters around the courses. Construction or rehabilitation of shelters should be checked when next year's budgets are being planned.



Help your members restore new life to leather bags, luggage, shoes, club grips, etc. Remove dirt from wet leather, then apply LEXOL to ensure drying soft and pliable. Special prices to pros. In 2 oz., pint and gal. sizes. FREE COUNTER DISPLAY with first order. Ask your supplier or write us.

MARTIN DENNIS COMPANY 857 SUMMER AVE., NEWARK, N. J. WINTER-KILL

(Continued from page 18)

in the spring, but by May winter-kill will develop.

(e) Use no highly soluble inorganic fertilizers after September 15.

(f) As early as conditions permit in the spring, roll the greens to press the roots into the soil before they dry out. Frost loosens the roots in the soil.

(g) On those greens where snow, ice or water lays late in the spring, winter-kill is most severe.

(h) It takes too long using seed in the spring for turf to mature. Use sod with topdressing and plenty of water to get quick results.

(i) Covered half of the greens with heavy straw, leaves, branches, etc. These halves killed as quickly as the halves not covered.

(j) Some winter-kill is caused in the late spring by snow melting on the greens under a warm sun, then freezing at night. When the sun strikes this ice it acts like a lens and burns the grass underneath.

(k) When seeding in the spring, be sure that the dead grass mat is removed, and a good soil bed prepared for the seed. Use spading, if necessary.

New Sport Volume Touches Briefly on Golf

Sports for Recreation. 460 pages. \$2.50. Prepared by the Department of Intramural Sports, University of Michigan; edited by Elmer D. Mitchell. Published by A. S. Barnes & Co., 67 W. 44th st., New York City. The book should—and probably will have—a wide influence in high school and college sport planning. Due to the many fields of sport covered it neces-



Tell us any idea for making GOLFDOM advertising more helpful

sarily has rather sketchy treatment but with adequate bibliographies on each sport.

The chapter on golf is brief but well done. It points out that pros need to contact high school and college athletic directors for development of the sport in schools. That such cooperation would be welcomed by the majority of the directors is plainly indicated. Forecasting the future importance of golf in school athletic plans this book says; "Physical directors are quite generally agreed upon the need for individual sports that may be used in later life, and golf is a game that may be played at almost all ages."

It is logical to assume that the growth of golf's importance at schools may be opening a large new field for pros who have not only a good knowledge of golf but who are fairly well acquainted with fundamentals of training and supervision in other sports. "Sports for Recreation" makes valuable reading for pros with such ambitions.

GOLF'S MARKET PLACE

Stumpp & Walter Co., 132-138 Church st., New York, recently enlarged by approximately 20% the selling and display space of its store. The store prior to its enlargement was one of the largest and finest seed and golf course supply stores in the country.

Increased space is to be used to a large extent for greater display of golf course equipment and supplies. Stumpp & Walter's five branches in the New York metropolitan area this season had stocks increased to care for almost any character of emergency demand by golf clubs.

A. G. Spalding & Bros. are set with a Christmas gift offer which promises that good old sales wallop.

Spalding again offers the pro an opportunity to cash in on Christmas gift sales via the dozen golf ball route. This year the pro will find that his gift box will contain a copy of Bobby Jones' new book, "Rights and Wrongs of Golf." Its 60 pages contain a wealth of sound, practical advice on how to correct common faults and get more fun and satisfaction from the game. The book is profusely illustrated with diagrams.

The Spalding balls, which the pro may





Don't let brown patch stage a comeback this late in the fight. Knock it out—now—with Special SEMESAN. Costs as little as \$1.65 a green. Highly effective. Easier on sprayer parts. Five lbs., \$10.00; 25 lbs., \$42.50; 100 lbs., \$165.00. Your golf supply house has this real organic mercury fungicide.

Regular Semesan: 25 lbs., \$46.25; 100 lbs., \$180.00; 300 lbs., \$525.00. Nu-Green: 25 lbs., \$30.00; 100 lbs., \$115.00; 300 lbs., \$330.00. Write for turf disease pamphlet.

BAYER-SEMESAN CO., INC., WILMINGTON, DEL.



GENERAL UTILITY TRACTOR Made continuously since 1916. Sold on money-back guarantee. Write for full details.

E. G. STAUDE MAK-A-TRACTOR CO. 2696 University Avenue, St. Paul, Minn.



FORSALE TO CLOSE AN ESTATE

St. Andrews Golf Course (Chicago district)— 36 holes, at less than one-third of its original cost. All improvements included—large, brick modern clubhouse fully equipped, 7 room bungalow, garage with caretaker's quarters, artesian well, two lakes on property. Equipment shed and pump house. Course now operating and attracting considerable play.

Reasonable down payment will turn the deal . . . will consider lease over term of years. For full particulars address.

WM. H. MULHOLAND 120 W. MADISON ST. CHICAGO TEL. FRANKLIN 2363

A. N. PECKHAM KINGSTON RHODE ISLAND For 16 years has produced and furnished direct to golf clubs, parks, etc., different varieties of Bent Grass Seed

This seed grown under the rigid climatic conditions of New England produces grass that has built up RESISTANCE to the various fungus diseases prevailing in our northern states. It is, of necessity, WINTER HARDY and makes a fine bladed, permanent, desirable turf for your greens, lawns, etc. We also furnish a FAIRWAY MIXTURE composed of 5 different varieties of fine turf grass seed which produces a BAL-ANCED closely woven turf on lawns, tees, tennis courts, fairways, etc.



offer packed in this way—by the dozen are the Kro-Flite, Tournament, Top-Flite, PGA Championship, Red and Black. The box, which makes an attractive dress for



these gift balls, has been designed with thought to its future use. Its sturdy construction and harmony in color combination lend it to a variety of uses. Its size readily adapts it to use as a jewelry, handkerchief or accessory box.

Biggs, Dean and Russell Lead US Contest Winners

Two Illinois pros-Elmer F. Biggs, CC of Peoria and Earl U. Dean, Bob O'Link GC, Chicago-walked away with the first two prizes in the National US Royal Test Package Contest conducted by the golf ball department of United States Rubber Products, Inc. Biggs was awarded \$500, Dean \$250, and third money \$125, went to J. G. Russell, Jr., assistant pro at the Miami Valley CC, of Dayton, O.

Conducted for the benefit of pros, their assistants, and anyone engaged in the sale of golf balls at golf clubs, the contest wound up as a great success. The idea was entirely new to the industry, but it met with widespread and enthusiastic response.

Contestants were required to submit an estimate of the total sales of test packages to all clubs and dealers in the United States from March 1 to June 30 of this

year and to cite their reasons for believing the sales would reach that amount. There were two test packages, one containing the three Royal PGA balls— "Championship," the "Arrow," and the "Nassau"—and the other containing the three US Royal balls—the "Blue," the "Arrow," and the "Nassau." Each of the three balls in the two packages differed in construction for different types of play.

Contest judges were Herb Graffis, editor, GOLFDOM; W. D. Richardson, golf editor, New York Times; and Prescott Sullivan, sports writer, San Francisco Examiner.

GOLFDOM's editor was glad of the protection afforded him by association with Bill Richardson and Prescott Sullivan in judging, for with two of the neighbors' children grabbing first and second place, the other guys might yowl "we wuz robbed" and Graffis alone would have had to take it on the lam for safety's sake.

One hundred and two winners, representing all sections of the country, shared the \$1,500 total cash prizes. A list of the other winners follows:

\$25 prizes: Neil G. McGregor, Matt Partridge, Floyd Farley and Dave McIntosh. \$10 prizes: Ed Werner, Marty Schutz,

\$10 prizes: Ed Werner, Marty Schutz, Stewart Boyle, Fred Leitz, John German, Mike M. Swisdak, Howard L. Stull, Alex N. Ednie, J. E. Reynolds and Gene Andersen.

\$5 prizes: Lester R. Moffett, Bert Montressor, Ronald Munday, Nolan Murray, Al. Nelson, Gunnar Nelson, B. O. Nelthorpe, Joe Novak, Fred A. Onoretta, Will Rogers, Kully Schlicht, Rex C. Sirrine. Herb Snow, Marvin D. Stahl, Wallie Stelzel, Orville Stone, Art Straub, Larry H. Striley, Milton Trish. Earl Underwood, Suey Varker, Cyril Wagner, Charles W. Webster, Alex Wilmott, Jack Wilson, Bob Gutwein, John Harley, Charles Hart, John F. Hayes and Les Heon.

Other \$5 winners were: J. W. Highlander, John G. Hoetmer, Jr., Edgar Hoffman, Albert Dawson Holden, Rodney D. Howard, Wilbur J. Hutchinson, Tony G. Jaronik, Norman Kruse, M. J. LeBlanc. Barney Lucas, Frank Lucas, John Mac





35

WATER IS MONEY — SAVE IT WITH OOZO

Applies water to greens, aprons and approaches; slow, oozing action that penetrates to roots; saves water now being wasted in traps by sprinklers. 50 ft. ready for attaching to hose—\$15.50 delivered. 5 days' trial—money refunded if not satisfied; quantity prices lower. Write for literature containing valuable irrigating information. Try it on that tough green.

Ask Your Supply House OOZO, Inc., Howell, Mich.



Only reliable companies are allowed to advertise in GOLFDOM



Hardened Center Keeps DIAMOND Spuds Sharp Diamond tractor spuds save replacement

Diamond Calk Horseshoe Co. 4702 Grand Ave. Duluth, Minn. Diamond tractor spuds save replacement costs. Extra hard core keeps point sharp, aerates turf with clean-cut holes. Easily attached. Write for complete data. Rae, Robert B. Magee, John Malesky, Paul Maloney, Harry Markel, Patrick J. Markovich, Frank McGuinness, Frank J. Mc-Namara, F. L. Metcalf, William G. Mitchell, Carleton A. Milligan, Roy Moe, Mrs. L. R. Moffett, Harold Caldewood, Joseph A. Capello, Arnold E. Chester, Rex Coman, Bobby DeGuire and John K. Deible.

Additional contestants awarded \$5 were: Ernie Doering, Frank Donovan, Michael Duras, Dudley Dustin, Paul E. Erath, Victor Foreman, B. M. Frizzell, Fred X. Fry, LeRoy S. Gill, Frank A. Gilman, James Govan, Harry Grahame, Marius T. Ahlstrom, Alan M. Anderson, Bill Barrett, Harry Bessler, Johnny Beazlie, Paul Bell, Walter Bergstrom, Jimmy D'Angelo, Bernard J. Berning, Ted Bickel, Roy Bronsdon, Ralph Brown and William Brown.

Oozo, Inc., Howell, Mich., has had a good sale on its irrigating hose at golf clubs this season. The hose is a specially woven cotton fabric, waterproofed and mildew-proofed. The Oozo hose can handle from 4 to 100 lbs. water pressure. Water



seeps out of the pores of the hose. Cost is moderate and under usual golf course use hose is claimed to have 5 years' life. Complete details will be supplied on request by the maker.



All experienced greenkeepers agree Fall Seeding is best—and hundreds of them throughout the country agree JOHNSON GOLF SEED produces the finest turf at the lowest cost. Let us quote on your requirements.

J. OLIVER JOHNSON, Inc. World's Largest Golf Supply House 940 W. Huron St. Chicago

Thank you for buying from GOLFDOM advertisers; they are O K

Town



. . . . maintain the accuracy of GOLFDOM'S mailing list by tearing out this page and returning it to GOLFDOM, 14 East Jackson, Chicago, Ill.

This magazine is edited for the men who operate golf courses and clubhouses. It is sent FREE and without obligation. It keeps officials posted on the latest developments in the golf industry.

Don't leave it to somebody else in your club to send in this page. Do it yourself!

... State ...

We will be most grateful.

Club				
Ciub	 			

Number of Holes......Is Course Private, Daily Fee or Municipal?....

and the second se	
PRESIDENT (or owner) Address	
GREEN- CHAIRMAN Address	
CLUB MANAGER Address	
GOLF PROFESSIONAL Address	
GREEN- KEEPER Address	

Please give us this additional information for our records:

37

SEE OTHER SIDE

GOLFDOM

To Meet Every Need

Read the advertisements in this issue. You should find just about everything you need for the most efficient operation of your course, your pro-shop, or your clubhouse. And you can depend upon the advertisers too—all reliable sources of supply. If you can't find what you need, refer to the list below. Draw a line through items on which you want complete information and prices. Mail to GOLFDOM, 14 E. Jackson Blvd., Chicago. It will bring you the information you need in making your purchases.

Sod cutters

FOR THE GOLF COURSE

Arsenate of lead Bag racks for tees Ball washers Ball washers Bent grass stolons Bookkeeping systems Brown-patch preventives Charcoal (soil condition) Clamps, for pipe leaks Compost distributors Compost sterilizers Containers waste Containers, waste Diesel engines Drinking fountains Dump carts Fencing Fertilizers Fertilizer distributors Hole cutters Hole rims (putting cups) Hole rims (sand green) Hose, water Humus (soil conditioner) Hydraulic mixers (fertilizer) Insecticides Lightning arresters Lime, hydrated Limestone, pulverized Mole and gopher poisons Mole and gopher traps Mowers ☐ putting green ☐ fairway ☐ 1 tee] rough Mower Blades Mower sharpening machines Peat moss (soil conditioner) Pipe perforated for drainage water Playground equipment Pumps (state capacity) Putting paths (sand green) Putting cups Rollers ☐ fairway ☐ green ☐ spiked ☐ spiked Sand green equipment Scythes (motor driven) Seed | fairwa | green | rough | Seeders fairway Shelters (golf course) Skeet layouts

Soil screeners Soil shredders Soil testers Sprayers ☐ barrel pump ☐ power engine Spike discs Sprinklers □ greens □ fairway Swimming pool information Tee markers Tractors Tractor tires, | low pressure | pneumatic Tractor wheel spuds Turf renovator Water systems for greens for fairways Water system engineer Weed burners Weed killers Worm eradicators . FOR THE PRO SHOP Bags Canvas leather Balls Ball marking machines Belts Bookkeeping system Buffing motors A.C. Caddie badges □ D.C. Caddie uniforms Calks for golf shoes Caps Clubs □ Brassies □ Drivers □ Irons □ Matched sets □ Putters □ Spoons □ Women's Club racks for pro shop Gloves Grip dressing Grip wax

Grip wax Handicap racks cards Hats, duck with vizor Leather jackets Leather preservative Movie cameras, projectors Practice clubs Practice driving devices Practice putting devices Prizes □ cups □ trophies Rain jackets Score cards Shafts □ hickory □ steel Shoes Shoe spikes Shoe trees Sockettes Sweaters Sweat shirts Tees wood 🗆 celluloid Trap-shooting 🗌 traps □ targets Underwear

FOR THE CLUBHOUSE

Ales Bar equipment Bath slippers D paper wood Bars fixed portable Bath towels Beer Beer draught Beer cooling equipment Cash registers Cheese Deodorants Disinfectants Kitchen equipment Laundry equipment Liquors □ gin □ wh whiskey wine mixers Linens Lockers Mineral water Refrigerators Rugs-runners for aisles Showers Soda fountains Water coolers Water softeners

Club By Address State..... ... Date Town.... . IMPORTANT—FILL OUT FORM ON REVERSE OF THIS PAGE





Classified Ads

Rates: 10 cents a word per issue. Minimum charge \$2.50

Golf course for sale in Northern Wisconsin. Semi-public, 18-holes, clubhouse furnished complete. Only course in city of 15,000. Beautiful, scenic, sporty. Reason for selling due to owner's death. Address: Ad 501, % Golfdom. Chicago, Ill.

Professional—Would like connection with club for 1937. Good personality; age 34. P.G.A. member, credit A-1 Successful record as business builder, instructor and player. Best of reference. Address: Ad 900, % Golfdom, Chicago, Ill.

Indian Relics, Beadwork, Coins, Minerals, Books, Weapons. Curios. 5 arrowheads 25c. Spearhead 25c. Birdpoint 10c. Tomahawk 80c Celt 35c. Catalogue 5c. Indian Museum, Northbranch, Kansas,

Pro and Assistant—Looking for a winter resort club. Have been located at a summer resort club for the past six years. We get results with our instructions and can increase club revenue. Excellent references. Address: H. Hallahan, Cape May Golf Club, Cape May, New Jersey.

Pro-Greenkeeper—College graduate, 35 years old, desires position with first-class club. Experienced instructor, player, course superintendent. Seven years with one of New England's finest resorts, Available September 15th. Address: Ad 903, % Golfdom, Chicago.

Golf Course for Sale—9-hole, sand green course, yardage 3.165. Clubroom, office, two room apartment, machine shed. 60 acres of land with reasonable rent. Only public course in south Minnesota town of 12,000. Address: Ad 908, % Golfdom, Chicago.

For Sale—A very fine eighteen hole golf course in Michigan—ninety-three acres of land. Large eighteen room modern brick house in fine repair. Caddy house, locker room attached. Eighty-five thousand people to draw from. Age and health forces sale of this property at fifty per cent of cost. Address: Ad 907, % Golfdom, Chicago.

Widely Known Pro, with same club for many years, seeks new connections. Interested in a summer and a winter resort course. Finest possible record of service. Excellent teacher and promoter of first class club activities. Highest recommendations. Please state details in first letter. Address: Ad 909, % Golfdom, Chicago.

Greenkeeper now employed desires to make change. Thorough knowledge of grasses, soil, maintenance and construction. Excellent references. Will go anywhere. Address: Ad 803, % Golfdom, Chieago, Ill. Pro-Greenkeeper — Desires change. Dependable character. Excellent references in regard to course upkeep, teaching and shop activities. High credit rating. Class A member P.G.A. Club finances make change desirable Address: Ad 901. % Golfdom, Chicago.

Colorado Club wants man and wife to take charge of the cafe and house. The wife to act as hostess and the man as chef; in other words, they would be responsible for the dining-room. If either could act as bookkeeper it would be an added advantage as present light cafe business allows ample time for other duties. The club is 11 years old, has 200 members, a nine hole course and is located within two miles of the heart of the city. The man and wife would have a three room apt. The salary could be \$150 per month for both with board and rooms. Address: Ad 906, % Golfdom, Chicago.

For Lease—Eighteen hole privately owned golf course one and one-half hour drive southeast of Chicago. Eighty per cent of play now from Chicago district. Short or long term basis, small amount of cash needed. Exceptionally attractive lease due to other business interests. Address: Ad 904, % Golfdom, Chicago.

Pro Assistant—Desires job for winter season. Will take full responsibility of professional's shop—do all buying and selling and all repairs necessary. References. Pleasant personality, good teacher and thoroughly conscientious in his service to his pro and the club. Address: Ad 905, % Golfdom, Chicago.

Pro-Greenkeeper—Active, alert successful man with private and fee course experience seeks new connection. 29 years old. Wife is competent, tactful, cateress and hostess. Both of us can do a completely satisfactory job of handling operation of first-class country club in moderate size town. Also interested in pro position alone. For complete details write: Ad 902, % Golfdom, Chicago.

PROS-ATTENTION Please-"Grip-Rite" removable Shu-Spikes are economical, convenient and practical. Can be EASILY INSERTED and PRE-VENT SLIPPING and IMPROVE STANCE. Help your members by recommending "Grip-Rites." The North & Pfeiffer Mfg. Co., Hartford, Conn.

Pro, age 29, experienced, highest references, desires position with club in south or southwest for winter months. Hard worker and results prove excellent teacher. New England P.G.A. champion. Available for winter position November 1st to May 1st. For complete details write: Ad 910, % Golfdom, Chicago.

JANSSEN GRAYBAR HOFBRAU

Lexington Ave. at 44th St. Old Hofbrau: 28 W. 30th St. Where golfers meet in the atmosphere of 'Old Heidelberg'—the perfect combination of a delightful eating place and '19th hole' in the heart of New York. Open Sundays.

Janssen wants to see you!

Only reliable companies are allowed to advertise in GOLFDOM



VOLUME 10, NO. 9

PUBLICATION OFFICES: 14 E. JACKSON BLVD., CHICAGO, ILL. Tel.: HARRISON 5942

Editor HERB GRAFFIS Eastern Rep., ALBRO GAYLOR 20 Vesey St., New York City Tel.: COrtlandt 7-4031

Adv. Mgr. JOE GRAFFIS

Managing Ed. JACK FULTON, JR. Central Rep., RAWLINS & HUNT 333 N. Michigan Ave., Chicago Tel.: RANdolph 6225

CONTENTS

Fund for the Future, by Karl Sutphin	9
Carnoustie Influences Fourth of U.S. Pros, by Charles Clarkson	14
He Operates Nine Fee Courses, by Walter McCallum	15
Asks About Winter-Kill, by V. C. Doerschuk	17
An Order is an Order, by Herb Graffis	19
Easy Payment Idea Gives Members Good Clubs	20
Other Industries Have Merchandising Troubles, Too	22
He Has Held Post for 25 Years	24
Jersey Muny Course Solves Tee Wear Problem, by Gene Hampson	31
Golf's Market Place	33

ADVERTISERS' INDEX

American Agricultural Chemical Co 3	McCormick & Co., Inc
Bayer-Semesan Co., Inc	Mulholand, Wm. H33
	Nelson Mfg. Co., L. R 4
Crawford McGregor & Canby Co 8	
Curex, Inc 2	Old Orchard Turf Nurseries
Dennis Co. Montin 29	Oozo, Inc
Dennis Co., Martin32 Diamond Calk Horseshoe Co36	Peckham, A. N
Dolge Co., The C. B 6	Penfold Golf Balls, Inc
Dunlop Tire & Rubber Co	Peterson Co., Inc., Arthur D
bunop ine a rabber commission	Phoenix Mfg. Co35
Fox Automotive Products Corp	Professional Golfers Ass'n, The
Fulname Company, The	
	Royer Foundry & Machine Co 4
Godwin, Hiram	
Graham Co., Inc., John H 2	Scott & Sons Co., O. M 3
Graver Tank & Mfg. Co., Inc 6	Sewerage Commission, The 1
Grosvenor Hotel	Skinner Irrigation Co., The
Hillerich & Bradsby Co25	Stumpp & Walter Co 7
	Swift & Co 7
Illinois Grass Co	
International Harvester Co2nd Cover	Thompson & Jones35
Janssen Graybar Hofbrau	U. S. Rubber Company4th Cover
	Vestal Co., John H32
Kemp Mfg. Co	
	W-W Grinder Corporation 3
Lewis Co., G. B35	Wilson Sporting Goods Co21
Lytton Building Corp., The 5	Woodruff & Sons, F. H 4