

change of wadding, the four pink edge offering more inertial resistance than the thin card and thick felt.

TABLE SHOWING HIGHEST AND LOWEST PATTERNS, VELOCITY AND RECOIL.

Charge 2½ Drums.	Pattern 10"		Velocity.		Recoil.	
	Highest.	Lowest.	Highest.	Lowest.	Highest.	Lowest.
Schultze.....	55	35	6'09	501	90	86
Curtis & Harvey.	30	20	5'03	412	85	81
Hamilton F.F....	40	20	7'30	528	83	80
Do. "Caribou"	20	10	4'04	412	75	71
Pigou, W. & L...	65	20	7'40	545	96	86
Charge 3 Drums.						
Schultze.....	34	17	5'03	577	90	86
Curtis & Harvey.	37	20	5'80	501	90	72
Hamilton F.F....	23	20	5'50	547	91	84
Do. "Caribou"	42	28	5'40	519	85	81
Pigou, W. & L...	35	15	6'38	589	93	84

AVERAGE OF THE DIFFERENT POWDERS.

Charge 2½ Drums.	10 in.		Pellet Force.	Velocity.	Recoil.
	Pattern.	Pattern.			
Eng. Black Powders.	33	2,41	559	84	
Hamilton do.	23	2,26	524	77	
Schultze.....	40	2,44	566	86	
Charge 3 Drums.					
Eng. Black Powders.	28	2,53	586	78	
Hamilton do.	30	2,35	545	83	
Schultze.....	24	2,53	586	86	

Schultze Powder recoiled nearly as much with these charges as it did when fired with 52 grains and 1½ oz. of shot, in which case it averaged 88 pounds.

SPREAD OF SHOT AT DIFFERENT RANGES, (1 oz. of Shot used.)

Distance of Powder.	5, 10, 20,		30 and 40 Yards.	
	Diameter of Pattern in Inches.	Ver- tical.	Hor- izontal.	Ver- tical.
3 drums.	4 6½ 17	43 and 40½	79 and 70	
3½ "	3 6 15½	40 " 38"	74 " 69	
3¾ "	4½ 9 24	52 " 51	90 " 87	

Circles with the above diameters do not include all the pellets in a charge, as there were a few wild shot that I did not include, as anything outside would only be struck by the merest chance. According to the spread of shot they do not travel in a straight line after leaving the muzzle, but curve outwards from the "line of fire." At first I thought this was caused by the shot passing through the paper screens, so I tried a shot at the 40 yard screen only and obtained about the same result; therefore I am satisfied the screens did not affect the direction, and conclude it is caused by the shot colliding with each other during their flight. The horizontal diameters of the 30 and 40 yard pattern, were shorter than the vertical in every case, varying with the charge

of powder, the heaviest charge giving the least difference. I measured and weighed the different powders, and find that Curtis & Harvey's is the heaviest for its bulk, "Caribou" the next, the other two samples are the same weight, and Schultze' powder was rather under half the weight. The charges of "Caribou" used in these experiments, were obtained from a friend, who purchased the powder as such.

Yours truly,

Lachine. 12-BORE GREENER.

A DEER HUNT IN FLORIDA.

DEAR SIR,—Thinking perhaps some of the readers of your journal, would like to know what kind of sport we have on the West Coast of Florida, I will try to give them an idea of what is to be had in the way of shooting. I shall tell them of what I saw in a day's deer hunting on one of the Islands of Charlotte Harbor. Leaving this place about ten a.m., a party of five of us, exclusive of "Bob" a very intelligent hound, proceeded across San Carlos bay; two going in a small schooner, and three of us going in a sloop; after a pleasant run of about an hour, we passed between Sanibel and Pine Islands, entering that beautiful sheet of water named "Charlotte Harbor." Before us lay a number of islands of a semi-tropical appearance. The palmettos and hemp raising their heads high above the mangroves; between the islands were oyster bars which were covered with White and Grey Pelicans, Cormorants, and Great Snowy Herons. On the neighbouring mangroves, perched Ibises, the Scarlet necked and Louisiana Herons, and the beautiful Roseate Spoonbill, while further up the harbor we could see the white sails of a schooner beating up towards the north. Sailing along the shore of Pine Island, we dropped anchor close to a small island near Pine. Leaving H— in charge of the boats, we took our small boat and rowed to an oyster bar between the two islands, where K. and I landed, and concealed ourselves behind a low growing mangrove. C—, S—, and the dog then went to the small island to drive it. We expected the deer, if any were there, would take to the water, and swimming to the bar, cross it, and endeavor to escape to Pine Island. We had not very long to wait till Bob gave tongue. K— and I crouched lower among the leaves and anxiously watched the opposite mangroves, but Bob drove away from us, and then suddenly changing his note, we knew he had **TREED**. "Well, by George, I'll bet that's a COON" said