

Hog Market Rises 10 Cents; Vealers Down

The local hog market today sold at 10-cent higher prices on all weights, according to the Bureau of Agricultural Economics. An early clearance was made with top at \$8 for good and choice 160-170-pound butchers. All weights from 170-400 pounds brought between \$7.50 to \$8. Packing sows were strong to 10 cents higher, from \$7.25 to \$7.60.

Vealers lost yesterday's gain of 50 cents, dropping to a top of \$11. Good and choice steers and heifers sold 25 cents higher for the week. Values of stock cattle slipped slightly lower under reduced demand. Bulk sales in steer calves were \$8 to \$9, in heifers, \$7.50 to \$8.

Today's top on fat lambs was \$9, a decrease of 25 cents. Lower grades continued to sell down to \$6 for common lightweight. Other classes were absent.

PLANT CHANGES COAL INTO OIL

Experts Seek Substitute for Petroleum in Experiments.

PITTSBURGH, Nov. 11 (U. P.).—There is a little scientific group in Pittsburgh which is looking ahead to the days when the Nation's oil supply will be dangerously depleted or actually exhausted.

That is a vital question to this country's 120 million inhabitants because these men—the men of the U. S. Bureau of Mines laboratory here—figure that the current oil supply of approximately 13 billion barrels will be exhausted in about 10 years.

With this in mind, Dr. H. H. Storch, supervising chemist and his staff, have built a small plant for the changing of soft coal into oil. This is done through a process called hydrogenation of coal because the coal is combined with hydrogen to transform it into oil. It is the only plant of its kind in the United States.

The importance these men attach to this process is seen in the fact that they keep a day-to-day watch on its performance. They work in three eight-hour shifts, for the plant operates continuously.

High Cost Is Problem

Using 100 pounds of soft coal, the plant produces 70 to 75 pounds of good light oil daily. From this oil, through a highly-complicated process that requires pressure of 3000 pounds to a square inch and temperatures of 850 degrees Fahrenheit, about 60 pounds of gasoline can be obtained.

Dr. Storch believes that unless a less expensive way of obtaining the oil is found, gasoline produced by such a process would cost around 50 cents a gallon. He predicts that the day when the Nation may have to face such a problem is not far off. He and his assistant, Dr. L. L. Hirst, are hard at work at present on the problem of reducing the cost of production.

These Government men predict hydrogenation of coal is bound to be an important industry. It has been estimated that there is enough soft coal in the United States to last 4000 years at the present rate of consumption.

"QUEEN" CHOSEN

SAN FRANCISCO, Nov. 11 (U. P.).—Miss Bodine Castaneda of this city had conferred on her by the San Francisco Unit of the Affiliated Chiropractors of California the title of "Vertebrae Queen." Against serious competition, she was chosen as having the most beautiful back.

LOCAL LIVESTOCK

Nov.	Top Receipts	Nov.	Top Receipts
4	8.00	17	9.00
5	8.00	18	8.00
6	8.00	19	8.00
7	8.00	20	8.00
8	8.00	21	8.00
9	8.00	22	8.00
10	8.00	23	8.00
11	8.00	24	8.00
12	8.00	25	8.00
13	8.00	26	8.00
14	8.00	27	8.00
15	8.00	28	8.00
16	8.00	29	8.00
17	8.00	30	8.00
18	8.00	31	8.00
19	8.00	32	8.00
20	8.00	33	8.00
21	8.00	34	8.00
22	8.00	35	8.00
23	8.00	36	8.00
24	8.00	37	8.00
25	8.00	38	8.00
26	8.00	39	8.00
27	8.00	40	8.00
28	8.00	41	8.00
29	8.00	42	8.00
30	8.00	43	8.00
31	8.00	44	8.00
32	8.00	45	8.00
33	8.00	46	8.00
34	8.00	47	8.00
35	8.00	48	8.00
36	8.00	49	8.00
37	8.00	50	8.00
38	8.00	51	8.00
39	8.00	52	8.00
40	8.00	53	8.00
41	8.00	54	8.00
42	8.00	55	8.00
43	8.00	56	8.00
44	8.00	57	8.00
45	8.00	58	8.00
46	8.00	59	8.00
47	8.00	60	8.00
48	8.00	61	8.00
49	8.00	62	8.00
50	8.00	63	8.00
51	8.00	64	8.00
52	8.00	65	8.00
53	8.00	66	8.00
54	8.00	67	8.00
55	8.00	68	8.00
56	8.00	69	8.00
57	8.00	70	8.00
58	8.00	71	8.00
59	8.00	72	8.00
60	8.00	73	8.00
61	8.00	74	8.00
62	8.00	75	8.00
63	8.00	76	8.00
64	8.00	77	8.00
65	8.00	78	8.00
66	8.00	79	8.00
67	8.00	80	8.00
68	8.00	81	8.00
69	8.00	82	8.00
70	8.00	83	8.00
71	8.00	84	8.00
72	8.00	85	8.00
73	8.00	86	8.00
74	8.00	87	8.00
75	8.00	88	8.00
76	8.00	89	8.00
77	8.00	90	8.00
78	8.00	91	8.00
79	8.00	92	8.00
80	8.00	93	8.00
81	8.00	94	8.00
82	8.00	95	8.00
83	8.00	96	8.00
84	8.00	97	8.00
85	8.00	98	8.00
86	8.00	99	8.00
87	8.00	100	8.00

Barrows and Cows—
(140-160) Good and choice... 7.35@ 8.00
(160-180) Good and choice... 7.85@ 8.00
(180-200) Good and choice... 7.85@ 8.00
(200-220) Good and choice... 7.85@ 8.00
(220-240) Good and choice... 7.85@ 8.00
(240-260) Good and choice... 7.85@ 8.00
(260-280) Good and choice... 7.85@ 8.00
(280-300) Good and choice... 7.85@ 8.00

Packing Sows—
(275-350) Good... 7.50@ 7.75
(350-425) Good... 7.45@ 7.60
(425-500) Good... 7.25@ 7.50
(500-575) Good... 7.00@ 7.25
(575-650) Good... 6.85@ 7.00
(650-725) Good... 6.75@ 6.90
(725-800) Good... 6.65@ 6.80
(800-875) Good... 6.55@ 6.70
(875-950) Good... 6.45@ 6.60
(950-1025) Good... 6.35@ 6.50
(1025-1100) Good... 6.25@ 6.40
(1100-1175) Good... 6.15@ 6.30
(1175-1250) Good... 6.05@ 6.20
(1250-1325) Good... 5.95@ 6.10
(1325-1400) Good... 5.85@ 6.00
(1400-1475) Good... 5.75@ 5.90
(1475-1550) Good... 5.65@ 5.80
(1550-1625) Good... 5.55@ 5.70
(1625-1700) Good... 5.45@ 5.60
(1700-1775) Good... 5.35@ 5.50
(1775-1850) Good... 5.25@ 5.40
(1850-1925) Good... 5.15@ 5.30
(1925-2000) Good... 5.05@ 5.20
(2000-2075) Good... 4.95@ 5.10
(2075-2150) Good... 4.85@ 5.00
(2150-2225) Good... 4.75@ 4.90
(2225-2300) Good... 4.65@ 4.80
(2300-2375) Good... 4.55@ 4.70
(2375-2450) Good... 4.45@ 4.60
(2450-2525) Good... 4.35@ 4.50
(2525-2600) Good... 4.25@ 4.40
(2600-2675) Good... 4.15@ 4.30
(2675-2750) Good... 4.05@ 4.20
(2750-2825) Good... 3.95@ 4.10
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(3050-3125) Good... 3.55@ 3.70
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