

7201 to 27288—Continued.**27261 to 27266—Continued.**

27264. Utah alfalfa seed from transplanted plants mixed with seed of the volunteer plants mentioned under No. 27263.

27265. Utah alfalfa seed produced by plants of S. P. I. No. 12784, which has been transplanted at definite distances in a study of the soil-moisture requirements of stands of different thickness.

27266. *Grimm* alfalfa grown in cultivated rows 3 feet apart (plat 16). From seed produced by Mr. Gustav Rasche of Westbrook, Cottonwood Co., Minn. The seed used on plat 16 was produced in the thirteenth year from seeding, from seed obtained by Mr. Rasche near Waconia, Carver Co., Minn. (see No. 27481). A $\frac{1}{10}$ -acre plat yielded at the rate of $5\frac{6}{10}$ bushels per acre.

27267. MEDICAGO RUTHENICA (L.) Trautv.

Seed collected in the first or seeding year from a $\frac{1}{4}$ -acre plat (in cultivated rows) of Hansen's introduction of this species, S. P. I. No. 24451, from Charonte, Siberia.

27268. MEDICAGO FALCATA L.

Seed collected in the first or seeding year from a $\frac{1}{4}$ -acre plat (in cultivated rows) of Hansen's introduction No. 24452, from Ob, Tomsk Province, Siberia. Photographs of the plats which produced this and the preceding number may be found in the second annual report of the Dickinson substation for 1909.

27269 to 27287. MEDICAGO SATIVA L.**Alfalfa.**

Seed from individual plants that were inclosed in wire cages to prevent cross-fertilization and were hand pollinated from time to time while in blossom:

27269. *Mongolian.* An individual plant of P. L. H. No. 2125 (see No. 27207 above). One plant yielded $1\frac{1}{4}$ grams of seed.

NOTE.—Inasmuch as covering with wire cages reduces materially the yield of seed, plants that have been caged and hand pollinated must not be considered typical of what these plants would do under normal conditions.

27270. *Mongolian.* An individual plant of P. L. H. No. 2125 (see No. 27207). This plant yielded $8\frac{3}{4}$ grams of seed.

27271 to 27273. *Turkestan.* Individual plants of S. P. I. No. 9453 (see No. 27213). The first yielded $3\frac{1}{4}$ grams of seed; the second $9\frac{1}{2}$ grams; the third 11 grams.

27274. *Turkestan.* An individual plant of No. 13999 (see No. 27252). One plant produced $4\frac{1}{4}$ grams of seed.

27275 to 27277. Acclimatized *Turkestan.* Grown from P. L. H. No. 3252 South Dakota No. 240 (see No. 27203). The first plant yielded $2\frac{3}{4}$ grams of seed; the second plant 1 gram; the third plant $3\frac{1}{2}$ grams.

27278. Grown from an individual plant of *Canadian* alfalfa, No. 13436, which yielded $3\frac{3}{4}$ grams of seed. (See No. 27208.)

27279. *Mexican.* Grown from an individual plant of No. 11652, which produced $35\frac{3}{4}$ grams of seed (See No. 27227.)

27280 and 27281. Minnesota *Grimm.* Grown from No. 21938 (see No. 27202). The first plant yielded $25\frac{1}{4}$ grams of seed; the second $25\frac{1}{2}$ grams.