

Domestically Manufactured Plow That Played an Active Role in the Development of Hokkaido in the Latter Half of the 20th Century

Registration No.	Number 00237		
Registration Date	September 12, 2017	Registration Category	Category 1

Name (Model, etc.)	7/10 shaku width reversible plow drawn by a single horse
Location	Sorachigun, Hokkaido
	Tuchi no yakata
Owner (Custodian)	Owner : Tuchi no yakata Custodian : SUGANO Farm Machinery MFG. CO.
Manufacturer (Company)	SUGANO Farm Machinery MFG. CO.
Year Manufactured	1952
Year first appeared	1952
Reason For Selection	This is the earliest days reversible plow that was developed domestically-produced animal-drawn plows in the second half of the 20th century. It is capable of tilling 7/10 shaku each measuring approximately 26 centimeters in width (plowing width), drawn by a single horse. This plow was enabled contour plowing of sloping arable land which was essential to preventing topsoil erosion. It offered flexibility in terms of plowing shallow depths and narrow furrows, and was accordingly equipped with both left and right bottom tilling units which could be reversed so that soil could be plowed to taller mounds in either direction. The blades were completely reversible in the upward direction for use on arable land sloping 20 degrees or more because the plow's moldboard was designed to reduce operational resistance by preventing soil from adhering to the moldboard so that horse could gain better traction. This plow is historically significant because it played an important role in enabling development of plow in its day, and it contributed to subsequent technological progress with respect to developing better performing and larger plows.
Registration Standard	2-A (Played a notable role in improving people's way of life and creating new ways of living.)

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