



## Short Communication

# First record of *Tridrepana obscura* Watson, 1957 (Drepanidae: Lepidoptera) from India

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### Abstract

*Tridrepana obscura* Watson, 1957 is reported for the first time from India. Description, diagnosis, and images of habitus and male genitalia are provided.

**Keywords:** Drepanidae, First record, India, Lepidoptera

### Introduction

Genus *Tridrepana* Swinhoe, 1895 was erected for the inclusion of four species: *T. albonotata* (Moore, 1865), *T. sadana* (Moore, 1865), *T. xanthoptera* (Hampson, 1893) and *T. vira* (Moore, 1865). Warren (1922) cited the generic name *Iridrepana* (an erroneous subsequent spelling for *Tridrepana*) and subsequently designated *Drepana albonotata* Moore as type species of the genus. To date, 46 species and 26 subspecies of *Tridrepana* have been recorded worldwide (Song *et al.*, 2011), with 11 species from India (Joshi *et al.*, 2020; Singh *et al.*, 2022).

In the present manuscript, we report *Tridrepana obscura* Watson, 1857 from Great Nicobar, which represents the first record of the species from India. Images and genitalia of adults are provided. The specimens are deposited at the National Zoological Collections, Zoological Survey of India, Kolkata.

### Systematic Account Genus *Tridrepana* Swinhoe, 1895

1895. *Tridrepana* Swinhoe, *Trans. ent. Soc. Lond.* 1895 (1): 3,  
Type species: *Drepana albonotata* Moore, 1879

1917. *Konjikia* Nagano, *Bull. Nawaent. Lab.* 2: 39, Type species:  
*Drepana crocea* Leech, [1889]

1922. *Iridrepana* (misspell.) Warren, In Seitz, *Macrolepid. World*, 10: 464

### *Tridrepana obscura* Watson, 1957 (Figures 1-3)

1957. Watson, *Bull. Brit. Mus. (Nat. Hist.) Ent.* 4:447

*Material examined:* India, A & N Island, Great Nicobar, 1♂ East-West road, 08.xi.2018; 1♂ Gobindnagar, 05.xi.2018; 1♂ Galathea NP, 03.xi.2018, K.C. Gopi & Party leg. (NZCZSI).

*Diagnostic characters:* Adults. Forewing apically falcate with a discocellular white small spot; hindwing with diffused postmedian black spot. Male genitalia, with uncus bifurcate medially into a pair of tapered, divergent, down curved arms, each arm with basoventral ridge and few short spines basodorsally; valva tapering towards apex; anellus forming almost complete ring round base of aedeagus, divided ventromedial, aedeagus bent strongly near apex, vesica spinose.

*Taxonomic notes:* The species can be distinguished from *T. albonotata* (Moore, 1865) by the smaller cell spot; easily distinguished by the more strongly pectinate antennae in females. The species occurs in two forms, a yellow form and a pale brown form (Watson, 1957).

*Distribution:* India (Great Nicobar Island) (present study),  
*Elsewhere:* Java, Bali, Sumatra (Watson, 1957).



**Figures 1-3.** *Tridrepana obscura* 1. Adult, 2. Male genitalia, 3. Aedeagus.

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## References

- Hampson, G.F. 1893. *The Fauna of British India (Moths). Vol. 1. Taylor and Francis, London, British*, pp. i–xxiii+1–527, figs. 1–333.
- Joshi, R., Singh, N., László, G.M. and Ahmad, J. 2020. An updated checklist of Superfamily Drepanoidea (Lepidoptera) from India. *Records of Zoological Survey of India*, **120**(1): 1–24.
- Leech, J.H. 1889. On the Lepidoptera of Japan and Corea, Pt II. Heterocera, Sect. I. *Proceedings of the Zoological Society of London*, **1888**: 580–655. <https://doi.org/10.1111/j.1469-7998.1888.tb06736.x>
- Moore, F. 1879. *Descriptions of new Indian lepidopterous insects from the collection of the late Mr. W. S. Atkinson*, **1**: 1–88.
- Moore, F. 1865. On the Lepidopterous Insects of Bengal. *Proceedings of the Zoological Society of London*, **1865**: 755–823. <https://doi.org/10.1111/j.1469-7998.1865.tb02432.x>
- Singh, N., Joshi, R. and Banerjee, D. 2022. Catalogue of Indian Lepidoptera. *Zoological Survey of India*. <https://www.indianlepidoptera.in> <https://doi.org/10.52547/jibs.8.3.411>
- Nagano, K. 1917. Studies of the Japanese Lasiocampidae and Drepanidae. *Bulletin of the Nawa Entomological Laboratory Gifu*, **2**: 39.
- Song, W.H., Xue, D.Y. and Han, H.X. 2011. A taxonomic revision of *Tridrepana* Swinhoe, 1895 in China, with descriptions of three new species (Lepidoptera, Drepanidae). *Zootaxa*, **3021**: 39–62. <https://doi.org/10.11646/zootaxa.3021.1.3>
- Swinhoe, C. 1895. A list of the Lepidoptera of the Khasia Hills (continued). *Transactions of the Entomological Society of London*, **1895**: 1–75, pl. 1. <https://doi.org/10.1111/j.1365-2311.1895.tb01663.x>
- Warren, W. 1922. Family: Drepanidae. In: Seitz A (Ed.) *The Macrolepidoptera of the World. Vol. 10: Bombyces and Sphinges of the Indo-Australian Region* (pp. 443–472). Alfred Kernien, Stuttgart.
- Watson, A. 1957. A revision of the genus *Tridrepana* Swinhoe (Lepidoptera: Drepanidae). *Bulletin of the British Museum (Natural History) (Entomology)*, **4**: 407–500, pls. 2–3.