

Trochamminoides grzybowskii, nom.nov., a new name for
Trochammina elegans Grzybowski, 1898
(Foraminiferida)

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INTRODUCTION

Trochamminoides elegans (Grzybowski) [= *Trochammina elegans* Grzybowski, 1898] is a familiar species that is commonly recorded from the Paleogene of the Carpathian flysch. However, during the course of work on a taxonomic revision of the Grzybowski Collection, it has become apparent that the name of this taxon is in actuality, invalid.

The designation *Trochammina elegans* was first used by Rzehak (1887), but since the name only appeared in a table (without a description or illustration) the name is unavailable under Article 12 of the ICZN. Grzybowski (1898), who had received specimens from Rzehak, referred to this species as "*Trochammina elegans* Rzehak", but the authorship of the species belongs to Grzybowski under Article 50 of the ICZN. Grzybowski (1898) described *Trochammina elegans* as follows:

Test agglutinated, surface rough; circular in outline, spirally coiled in two and one-half to three whorls. Chambers spherical, increasing in size, numerous, with depressed sutures; there are thirteen to fifteen of them in the last whorl. Aperture at the lower edge of the last chamber, just above the rounded periphery. Diameter 1.3 mm.

However, transferring the authorship of this species makes *Trochammina elegans* Grzybowski, 1898 a primary junior homonym of *Trochammina elegans* Egger, 1893 (Article 53c of the ICZN). As such, the name must be permanently rejected (Article 52a). Because no junior synonym exists, we propose the replacement name *Trochamminoides grzybowskii* Kaminski & Geroch, **nom. nov.**

SYSTEMATIC DESCRIPTION

Suborder: *Textulariina* Delage & Herouard, 1896

Genus: *Trochamminoides* Cushman, 1910

Trochamminoides grzybowskii Kaminski & Geroch,

nom.nov. for *Trochammina elegans* Grzybowski, 1898 (Fig 1)

Derivation of Name. in honour of Jozef Grzybowski, who first described this taxon as a valid species.

Type Specimen. The Grzybowski collection is housed in the micropalaeontological collections of the Jagiellonian University in Krakow, Poland. The specimen of *Trochammina elegans* figured by Grzybowski is not preserved in the collection, but an unfigured syntype is registered as 1/58. We designate this specimen as the lectotype of *Trochammina elegans* Grzybowski, and hence under Article 72e it becomes the holotype of *Trochamminoides grzybowskii*.

Type Level. Eocene, Silesian unit of the Polish Outer Carpathians. The holotype is from gray clay collected along the bank of the Wislok River in Krosienko Nizne, near Krosno, Poland.

Description. Test large, oval in outline, with many chambers.

Coiling is slightly glomospirai to planispiral, with approximately three whorls. Chambers are spherical, tightly appressed, numerous, increase in size slowly, about 15 in the last whorl. In immersion, the spherical chamber interiors are seen to be connected by a thin tube denoting an areal aperture. Wall thick, medium to finely agglutinated. Aperture small, just above the base of the last chamber.

Dimensions. Diameter of holotype: 0.85 mm.

Remarks. This species displays variability in the nature of coiling and in the number of chambers that is typical of the genus *Trochamminoides*. Grzybowski's figure depicts a planispirally coiled, laterally compressed specimen. However, the specimen preserved in his collection has distinct glomospiral coiling [i.e. coiled about a wobbly plane] in the early part of the test. It also has a more broadly rounded periphery than the type figure, is more oval in outline, and has a damaged final chamber. This specimen also departs from those illustrated by subsequent authors, who show round planispiral specimens. Our specimens from Zumaya are coiled planispirally and have more inflated chambers than the holotype. Rare specimens display a tendency to uncoil.

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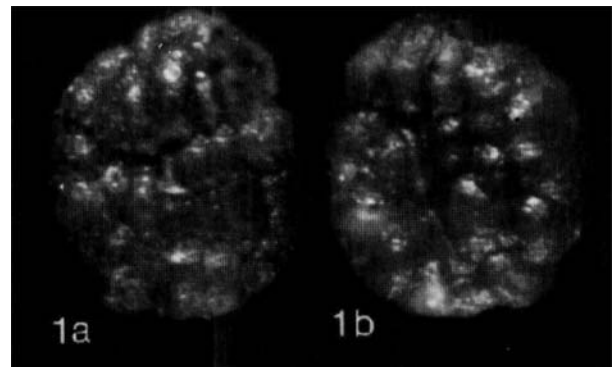


Fig. 1a,b. Holotype of *Trochamminoides grzybowskii*, nom.nov. from Krosienko Nizne, Poland, red clays. (Grzybowski Collection 1/58), x53.