

SPICER ART CONSERVATION, LLC
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Case Study Submission

Do you use magnets when mounting artifacts, or in conservation treatments?

Do you have a method that you would like to share with other museum professionals?

Do you have an interesting “magnetic” trick or tool?

Please share!

Here's how

Fill out the *Magnet Information Sheet* and include some images. Once you fill it out, it can be emailed to me at gwen@spicerart.com

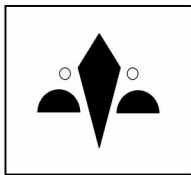
Here's why

I am writing a book about magnets and their use in conservation, thanks to a Kress grant from AIC. The body of the book will include my research on magnetic phenomena and the interesting behavior exhibited by magnets. Magnetic systems will be discussed, including large area pressure, point fasteners, the magnetic slat hanging system, and how to create the best system while considering magnet strength, the gap, and the selection of ferromagnetic materials.

Part of the book will include case studies of specific magnet systems that have been previously used by conservators across the specialty groups. Cases will cover a wide range of systems, uses, and types of artifacts. Each case study will be presented in a similar format. All of the selected case studies will be fully credited to the creator.

I very much appreciate the time and effort involved in contributing to this project. And I am confident that the publication of such a book will move the use of magnets in conservation and the museum world to the mainstream, as well as result in more research on any hazards that might exist, like compression.





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Magnet Information Sheet for Case Studies

Each magnetic system is composed of several parts. Here, I am collecting specific information about the system that you are using. The parts include: the specifics of the rare earth magnets, what material is behind the magnet, and what is the material and thickness between/ or in "the gap".

Please provide as much information as possible, grouped by system or project. It is most helpful if the information of one system is reported and not mixed with a second, or more systems that you might be using. Please submit separate sheets for each system or case study that you are describing.

Your name and contact information:

How is the magnet being used:

Type of artifact & media	
Estimated weight of artifact	
Mounting/Display/Storage	
Clamping or tool	

Description of the magnet:

Grade	
Size (H" x W" x D")	
Shape & polar orientation	
Where purchased	
Placement of the magnets to the artifact - above or below?	

Material that the magnet is being attached to (i.e. the mount or mounting system):

Washers (give size, ID & OD)	
Metallic cups (sold with the magnets)	
Screw (size & type)	
Steel sheet or other metal sheet (gauge, etc)	
Coating present: type	
What are the selected materials attached to & how	
Angle of the mount	
Covering material over the mount (padding layer, etc.)	
Where & who manufactured	

Material Surrounding the Magnet

Acid-free board	
Fabric (give type & placement)	
Ethafoam (type, etc)	
Glue used	
Other or additional information	
Barrier layer between magnet & artifact	

Additional Comments

Please provide pros and cons of each system; what you like and did not like; what were the goals of the system and if they were met; why did you begin to use magnets? Please provide references, drawings or images, or all if appropriate.