

Announcing *Cairn* with the exhibition *Studies of Legislation and Law*

By *Braydon Fuller* | December 31st 2013

From December 31st 2013 to January 31st 2014 *Studies of Legislation and Law* (<https://braydon.com/gallery/>) will be on display at the *Braydon.com Art Gallery*. Prints and originals are available to trade for currency during this time.

This is the debut exhibition for the public release of the *WordPress* plugin *Cairn* (<http://bitgress.com/cairn>) written specifically for the needs of this exhibition. All programming for the gallery is available to the public under the terms of a *GNU General Public License*, so that the security can be verified and audited by anyone.

Here are some of the highlights of *Cairn*:

Personal privacy and security. Shipping and personal information is asymmetrically encrypted with a public key. Private keys are stored offline. Additionally, contact information includes input for an email GPG public key and a SIP internet phone address for the same security during further communications.

Fast & lightweight interactions. Browsing the gallery should rarely draw attention to network loads as images and data are loaded while your locus of attention is likely elsewhere. When you click a link, the web browser has already retrieved the page and images from the server, and it appears instantly in less time that it takes to ping the server. All rendering is on the client side, this reduces server and network load, as lightweight data and static files are the majority of the server output.

I accept Bitcoin. As soon as you enter shipping information and proceed selected artwork is placed on hold for a limited time. During this window of time a new address is available to send payment, and in many cases the payment will appear to be received instantly. Peer-to-peer currency is exciting for Internet based payment.

Dynamic prices and currency preference. Prices are shown when a zip code, payment method and currency have been chosen. The prices have the shipping included, and you have the the option to choose the preferred currency, which is currently Bitcoin (BTC) or United States Dollars (USD).

Designed for mobile and desktop. The gallery is designed to be best viewed on a wide range of screen sizes from mobile to desktop, and there are swipe gestures and keyboard bindings to navigate through artwork full screen and with little distractions.