

interactions with that flawy assemblage. outological coherence during people's daily life to its structure compromise its usability and behaving as a sidewalk, the modifications made proadly speaking, the sidewalk is still theve, walks are made to favor private agents. Although improve the device, the alterations in the sideposing the bush pump obey a collective effort to Meanwhile, the variations in the elements com-

intrastructures. intentionality behind the (re)assembly of the ever, what differs between both situations is the tion occurs with the observed sidewalks. Howstanding of what a bush pump is. A similar situa-Still, despite the variants, there is a sort of under-

enactments regarding its usage and connections. device and generates a bunch of practices and I his situation produces many versions of the same diverse ways and using different components. each village, the bush pump is often assembled in adaptability. Due to the particular conditions of One of the main features of the bush pump is its

tresh underground water in rural Zimbabwe. Zimbabwean bush pump, a device created to get ready studied this phenomenon tollowing the Marianne de Laet and Annemarie Mol [3] have al-

its shape, its being as a sidewalk, remains. components, and even despite the alteration of addition, subtraction, and modification of its

bumps and irregularities is that regardless of the



WALKING ON A MOSAIC OF FAILURES

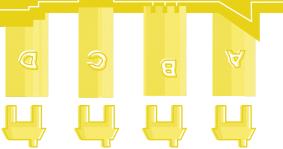
Jane Jacobs [1] imagined sidewalks as unique spaces of circulation and improvised assemblages among people. The collective being on the sidewalk, she wrote, was like an intricate ballet full of movement where everything flows and everyone has their own part.

This first issue of Tarde is about the material stage of that dancing choreography. It pays special attention to a series of sidewalks in Medellín, Colombia, their composition, enactments with different dancers. and their incursion as dancers. The chosen sidewalks have the structural peculiarity of being broken, damaged, turned into • something else, and even usurped, but somehow still functioning as sidewalks.

exploring glitch infrastructures

This scenery is what I like to call glitch infrastructure. In computing, a glitch is defined as "a small problem or fault that prevents something from being successful or working as well as it should" [2]. Translating that concept into urban studies, a glitch infrastructure is an irregular mosaic made of individual failures that, arranged together and looked at from the *outside*, give the sensation that they work. And they do, although neither for everyone nor all the time.

The idea behind glitch infrastructure goes beyond being an aesthetic issue. It is a matter of usability. It pays attention to the interactions,



years. Sometimes it is tion of the sidewalk as ing near them over the and include their porcolonized by those liv- ovate their front yard house A decides to renin Medellin are public when someone living in Although the sidewalks appropriation initiated

caused by a process of That liminal situation is and a sidewalk begins. a private property ends harder to identify where part of the remodeling. spaces they have been

MOITA SITAVISI

choreography Jane Jacobs described. frictions, boosting and hindering the pedestrian and usages, proposing different mobilities and patchwork of heights, angles, elements, spaces, thing, each one on their own. Suddenly, there is a nouses/businesses B, C, and D doing the same and public realms. Imagine now the owners of creating an illusion of uniformity between private matching the same materials and patterns, and merged with the private property design, Lhat particular piece of the sidewalk is then

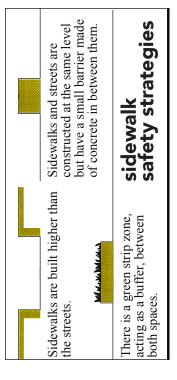
number, plus more additional content online. sigewalks will be presented in this introductory the whole arrangement. Three cases of glitchy damaged causing isolated maltunctions along whose (some of its) components were aftered or lization and usage of an infrastructural object ontological deviances resulting from the stabicompromises, tactics, challenges, and temporal

case two

トトライマいつつ

Sidewalks are public infrastructures mainly created to let pedestrians safely walk around the city. Of course, as Jane Jacobs, Henri Lefebvre [4], Mitchell Duneier [5], and Manuel Delgado [6] have discussed, those infrastructures also have other usages, rhythms, and enactments promoting social interaction of any kind. Notwithstanding, this vignette focuses on sidewalks as imagined spaces of circulation that let people securely move from one place to another.

The main resource to keep sidewalks safe and guarantee pedestrian mobility is to separate them from the streets. In Medellín, the division between sidewalks and streets is granted, most of the time, by three different design strategies and material divisions:



However, people's path is sometimes hampered when a sidewalk is transformed into something else. For instance, a parking lot. Madeleine Akrich [7] wrote that sociotechnical artifacts have *scripts* or perceptive "manuals of instructions" that artifact designers incorporate into those devices to let people know about their functions. But besides utilizing artifacts in the way they are scripted, users also re-script the meaning of the devices by approaching and using them in different ways.

By re-scripting and transforming a sidewalk into a private space, an improvised parking spot in this case, a glitch is produced. This malfunction temporarily interrupts the circulation of pedestrians altering that infrastructure's main function: to allow people to walk safely. It does not matter what kind of safety design strategy the sidewalk has, pedestrians are forced to go on the streets to attempt to surpass the momentary—sometimes even permanent—obstacle.

Although people have to modify their paths and move to the streets to avoid parking cars, even sometimes generating hazardous situations due to the moving vehicles, particularly motorcycles, this glitch is often tolerated because, according to some pedestrians, it does not happen too frequently, so it is okay. there is a survey on the perception of pedestrians on this type of infrastructure, you can find it by following the QR code below.

Here, find bibliography and related content.

Rachel Douglas-Jones & Tomás Sánchez-Criado

Texts and design: Santiago Orrego
This number has been curated by:

Unexpected septs and leanings



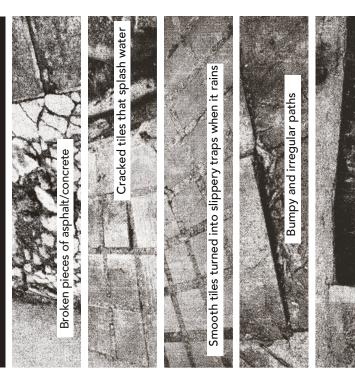
Sidewalks are large and cheap infrastructures spread all over the city. Unlike streets, sidewalks do not require much maintenance since they are not designed to carry heavy objects at high speed all the time. That is why when a part of a sidewalk is broken nobody pays much attention to repairing it. Unless, of course, the damage involves a more important infrastructure such as a water pipeline.

There are many causes of a broken sidewalk. Cheap materials, someone (un)intentionally damage it, a private renovation that did not end well, the roots of a tree going out of the ground, or just lack of maintenance. Regardless of the reason, glitchy sidewalks are everywhere. However, despite their omnipresence and long-term duration, sidewalk glitches are just that, minimal and isolated —although often concatenated—errors people have learned how to live with.

And they had to find out how to deal with those malfunctions because, in practical terms, there is a shift in the responsibility for those faulty elements. In daily life interactions, glitchy infrastructures are perceived more as pedestrian responsibilities —they need to be cautious, watch their step, move around, and dodge obstacles—rather than issues local authorities should fix.

However, as the survey has displayed, the displacement of the responsibility and the glitches causing it were often imperceptible to the pedestrians until they were directly pointed out to them. At least surveyed sidewalk users have already tacitly accepted the presence of malfunctions in their way and modified their user experience around them. After all, it is just a glitch.

Brief inventory of sidewalk glitches





Tafde issue 01



Launched in 2012, Project Sidewalk uses digital mapping tools, machine learning, gamification, and data analysis, to fabricate tools to identify and analyze problems on sidewalk usability.

Their main goal is to create a world wide data collection "to provide increased transparency and accountability about city accessibility, and to support new urban analytics pursuits not previously possible." [8]

Here, however, you are going to work analogically. We will provide you an empty canvas and a set of intructions to track and map glitchy sidewalks. Please, unfold this sheet and let's go to explore!

MAPPING SIDEWALK MALFUNCTIONS

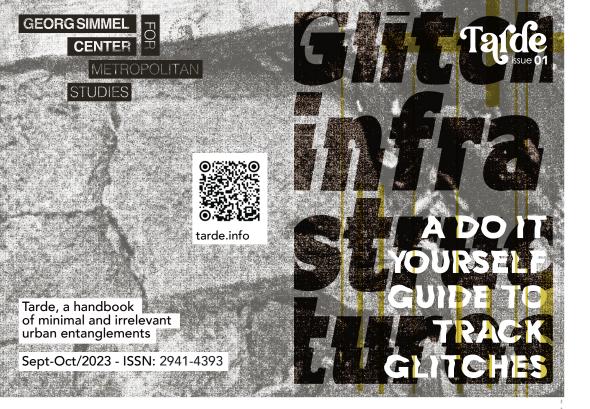
Although this number of Tarde was centered on a bunch of sidewalks in Medellin, Colombia, glitchy infrastructures can be seen everywhere.

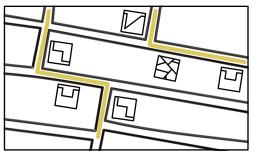
With this mini guide, we want to invite you to walk around your city hunting individual failures entangled to sidewalks.

Besides the cases and the inventory of glitches already introduced, there are other possibilities to identify and classify those malfunctions.

For instance, one could focus on how some publics —children, seniors, people with physical disabilities— approach sidewalks and frame those practices into a discussion on usability and accessibility.

Regarding the last point, there is an example from the University of Washington named Project Sidewalk.





methods.

Below, your have a map for inspiration, but feel free to experiment with your owntechniques and

Then, we also have a a bunch of glitches already introduced along this number, plus a couple of empty spaces to document new possible malfunctions you may around.

two parts. First, at the top, there is an empty space to sketch and track your sidewalk explo-This guide is an ethnographic artifact designed to document sidewalk glitches. It is divided into

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