

Ideas, Leaders, and Institutions in 19th century Chile*

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Abstract: Institutions matter for economic growth. Thus, the leaders who help to develop institutions, and their ideas and beliefs, must play a central role in any narrative that seeks to explain such growth. This leads to the appearance of institutional entrepreneurs, who act in a given cultural and political environment. We focus on the problem of state-building, where formal institutions designed by leaders must be consistent with a given society's existing informal institutions. We consider an analytical narrative focusing on the Chilean experience in the 19th century. This serves as an interesting quasi-natural experiment on the role of ideas, leaders and institutions in the problem of economic growth and development.

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Chile has for several years won the reputation of the model republic of South America. She has been a law-abiding and peace-loving community, allowing her people the enjoyment of all wholesome liberty, and so conducting her administration and ruling her finance as to be able in the most difficult times to fulfill her engagements, to ensure order and prosperity at home and maintain her credit abroad. (*The Times of London*, April 22, 1880)

1. Introduction

Institutions matter for economic growth (Acemoglu and Robinson, 2012; Besley and Persson, 2011). Thus, the leaders who help to develop institutions, and their ideas and beliefs, must play a central role in any narrative that seeks to explain such growth. Different features of formal institutions may be important in practice. Formally, these represent different strands in the literature on institutional economics: state capacity (Besley and Person, 2009), the rule of law (North, Wallis, and Weingast, 2009), and legal institutionalism (Hodgson, 2015). Behind the development of each of these institutional dimensions we will find an agent or group of agents, which we label as ‘institutional entrepreneurs’, who seek to make the newly designed formal institutions consistent with a given society’s existing informal institutions: after all, it is this network of formal and informal institutions that represents the institutional system that is relevant for economic development.

Institutional entrepreneurs have been studied before in the literature; for instance, by Greif (2006). In a related fashion, Schneider and Teske (1992) and Leighton and Lopez (2014) talk about ‘political entrepreneurs’, and Mokyr (2016) refers to ‘cultural entrepreneurs’. We are especially interested in the part played by these agents in the context of institutional change associated to nation or state-building. Nation-building has been important in a historical sense (Tilly, 1975), and is an area which can offer many wider lessons for institutional analysis (e.g.: North, 1981; Besley and Persson, 2011). The temptation to regard historical processes as indeterminate or, from a different perspective, to consider that in national histories only great men matter, has hurt an analytical approach to the problem of institutional change. Statesmen, especially distinguished institutional leaders, matter, but not in an overly simple Carlylean heroic fashion (Carlyle, 1966).

We employ an argument relating ideas, leaders and institutions, to examine a neglected economic success story (and also in terms of state-building in Latin America), namely, the case of Chile in the 19th century. While the available historical data on economic conditions in America and other European nations may suffer from measurement errors, during this period Chilean economic performance portrays a remarkable picture which deserves to be considered more carefully (see Table 1). As the last two columns show, Chile's comparatively high average growth rates during the 19th century are not the sole consequence of the nitrate bonanza experienced after the War of the Pacific (1879-1883; on this episode, see: Collier and Sater, 1996). The editorial from *The Times of London* that opens this paper is an interesting invitation to examine this relatively unexamined case-study more carefully.

Table 1
GDP per capita (1990 Int.GK\$)
Average annual per capita growth
rate

	1800	1850	1880	1910	1800-1910	1800-1880	1880-1910
Argentina	931	1.251	1.604	3.822	1,3%	0,7%	2,9%
Brazil	683	683	752	769	0,1%	0,1%	0,1%
Chile	626	910	1.740	3.000	1,4%	1,3%	1,8%
Colombia	591	492	711	779	0,3%	0,2%	0,3%
Mexico	836	656	651	1.694	0,6%	-0,3%	3,2%
Peru			531	981			2,1%
Uruguay	1.086	1.468	2.082	3.136	1,0%	0,8%	1,4%
Venezuela	415	729	739	886	0,7%	0,7%	0,6%
U.S.	1.296	1.849	3.184	4.964	1,2%	1,1%	1,5%
Canada		1.330	1.816	4.066			2,7%
Spain	916	1.079	1.646	1.895	0,7%	0,7%	0,5%
Britain	2.097	2.330	3.477	4611	0,7%	0,6%	0,9%

Source: The Maddison-Project, <http://www.ggdc.net/maddison/maddison-project/home.htm>, 2013 version

For this analysis we propose that the Chilean experience can be viewed as a quasi-natural experiment as to the influence of leaders and the institutions they implement in terms of economic performance; we consider three key leaders around the first-half of the 19th century, Mariano Egaña, Andrés Bello and Manuel Rengifo. We approach the problem of

hypothesis testing through a methodology that combines a comparative strategy in terms of a historical-narrative framework, and a counterfactual inference strategy.¹ The counterfactual strategy is an old approach, popularized by Fogel (1967) in his important work on economic history. While we recognize that this method sometimes awakens strong reactions and methodological criticism when it is badly used (Bunzl, 2004), we follow Fearon (1991) in recognizing the valuable role of counterfactuals in causal hypothesis testing in the social sciences. In fact, we believe it is important to recognize that, as Fogel (1967) has argued, an open strategy avoids the problems related to using concealed standards in this sense.

2. Related literature and our analytical framework: Ideas, Leaders and Institutions

Institutions, the set of rules that regulate social behavior, matter for the problem of economic development (e.g., Acemoglu and Robinson, 2012). Nation and state -building was originally a problem of interest in comparative politics (Tilly, 1975), but there is a newer theoretical interest in these issues in the field of development economics, as can be seen in the recent work by Besley and Persson (2009, 2011). Historians interested in Latin America have also shown a renewed interest in this problem: the work by Centeno (2002), Centeno and Ferraro (2013), and Saylor (2012), represent important recent examples along these lines.

Theoretically we expect that good institutions affect economic growth via the promotion of entrepreneurial activities (Baumol, Litan, and Schramm, 2007) and related increases in total factor productivity (Parente and Prescott, 2006). And yet, given our interest in state-building and since there are other theoretical perspectives that may be relevant in this sense, some further explaining may be necessary here. The notion of legal constitutionalism elaborated by Hodgson (2015), the concept of inclusive and extractive institutions proposed by Acemoglu and Robinson (2012), and that of social orders and limited-access and open-access orders advocated by North, Wallis, and Weingast (2009) are some alternatives in this sense. Besley and Persson (2009, 2011) rescue the concept of state capacity focusing on the institutions underlying such capacity: fiscal capacity, supporting markets, providing order and providing public goods. Interestingly, these

¹ Diamond and Robinson (2011) advocate the use of natural experiments in history, but favor quantitative analyses. See Fearon (1991) and Bunzl (2004) for an assessment of comparative and counterfactual inference strategies.

different theories overlap in the importance they afford to the rule of law and state capacity. This link, encouraging a multidimensional approach to institutional analysis, helps to establish a positive relationship between state capacity and economic growth, via entrepreneurship, as opposed to simply having a strong centralized government which may have negative effects on growth. Human capital is also important in this sense (Glaeser *et al.*, 2004), but this mechanism may turn out to be related to institutional quality (Acemoglu, Gallego, and Robinson, 2014).

Cultural factors also play a role in the problem of economic development (e.g. Mokyr, 2016, McCloskey, 2010); indeed, the interplay between ideas and institutions is an important point in the modern literature on institutional economics (e.g., Tabellini, 2008; Alesina and Giuliano, 2015; Langlois, 2016). The point here is that to the extent that ideas are theories of how the world works, they must be considered in any model that seeks to explain the process of economic development. There is a vibrant literature that examines the relationship between institutions and ideas: important recent work in this area includes that of Eggerston (2005), Greif (2006), North, Wallis, and Weingast (2009), and Mokyr (2016). This type of analysis has also been applied in concrete case-studies on the problem of economic development: the work by Schlueter (2014) on New Zealand and Uruguay, Zhang (2015) on China, and Alston *et al.* (2016) on Brazil represent some recent examples in this sense. But how do ideas influence institutions, and how do the latter emerge or change? In a general sense, one can postulate that the influence of ideas comes about through social learning mechanisms (e.g.: Hall, 1993), or some type of cultural evolution (e.g.: Bisin and Verdier, 2010). Such influence can also come about directly through intellectual or cultural entrepreneurs (Mokyr, 2016). We follow this approach and argue that ideas matter in institutional terms because of the actions by leaders, who direct the process of institutional change and influence the formation of human capital.

Leaders, viewed as ‘institutional entrepreneurs’ are really statesmen, distinguished institutional leaders who happen to be in the right place at the right time, face a challenge and stand up to this challenge. In this sense, they have the ability to extend a society’s opportunity set and to influence the behavior of other agents to achieve institutional change; therein their ‘entrepreneurial’ character. They do so leading by persuasion (a

universal ‘natural desire’, according to Adam Smith, although this process may also involve some political manipulation, as Riker (1984) has explained.²

What motivates these agents? Standard cost-benefit assessments may be relevant in this sense (Schneider and Teske, 1992), and we also add Schumpeterian motivations in terms of fame and desire to make a difference in the world (Schumpeter, 1934). Two additional points are important to note here. While the environment in which they act is crucial for motivating institutional entrepreneurs, it is important to note that, as Greif (2006) has remarked, this context also constrains them. Successful institutional change requires that the new formal institutions are consistent with informal social rules. This is an important theoretical issue (Greif, 2006; North, Wallis, and Weingast, 2008), with has important consequences for institutional change. Institutional entrepreneurs must be able to perceive how the formal rules they design interact and co-exist with existing informal rules, rules that they must grasp at and try to understand even as they are tacit (Boettke, Coyne, and Leeson, 2008; Couyoumdjian, 2012). Their belief system will be crucial to make this merge successful.

On the other hand, the role that leaders/statesmen have in terms of forming human capital, directly or via institutional creation, must also be remarked: these educated agents will end-up acting in policy areas. Human capital will thus play an important part in a narrative that focuses on the influence of institutions on economic performance. This mechanism highlights the role of educated agents acting within the context of a system of rules. The notion of the rule of law assumes it is the government by the law and not of men that leads to good policies, but it is also important to take into account the behavior of political agency. After all, establishing state capacity involves the implementation of different types of policies.

As we pay special emphasis on acting leaders we should note that there is an extensive literature on statesmanship in political history, but the field of political economy has been reluctant to include these types of agents. This may be due to the fact that economists disapprove of the incorporation of heroes in their models. At any rate, it is important to reiterate that we are not advocating a Carlylean ‘great man history’ and that, merely,

² To be sure, ‘political entrepreneurs’ in the sense used by Leighton and Lopez (2012) can also turn out to advance and realize socially harmful proposals. Baumol, Litan, and Schramm (2002) present a similar model in terms of entrepreneurial activities.

having a fully developed model of institutional change requires that consideration is paid to the agents who lead such processes. Statesmen matter, but national conditions and opportunities shape and determine their behavior: historical contingency is important here (Acemoglu and Robinson, 2012).

3. Our case-study and methodology

We have proposed a framework that links leaders and institutions, and relates these variables to economic performance. We now propose to evaluate this model considering the Chilean experience in the 19th century. The leaders we consider, Mariano Egaña (1783-1846), Andrés Bello (1781-1865) and Manuel Rengifo (1793-1845) are critical actors in the Portalean era, to use a commonly used expression in Chilean historiography (Collier, 2003). Before we examine the institutional setup erected by these statesmen it is thus important to look into the main features of this period that begun in 1830. Following Independence (in 1818), a period of constitutional experimentation had led to different levels of political disorder and, eventually, to a military conflict between liberal and conservative factions where the latter prevailed; a ‘conservative settlement’ started in early 1830 when under the new regime, Diego Portales took over as Minister of the Interior and of Foreign Affairs. Collier and Sater (1996) have characterized this period in the following terms:

The Conservative coalition that took power in 1830 ... helped lay the foundations of a tradition of political stability unique in nineteenth-century Spanish America - where mutinous armies, caudillo dictatorships, palace revolutions, and civil wars were constant and commonplace. (p. 51)

In this context, the country’s institutional matrix was to be designed anew. The statesmen we are considering acted in (and created the fundamental institutions of) this Portalean era, which has been viewed as stressing the importance of tradition, and which was based on the new Constitution promulgated in 1833. This is something Portales captured in a well-known letter where he referred to the ‘weight of the night’ in the country.³ But Portales did not seem to care much about formal institutions. The fact that his legacy

³ ‘The social order is maintained in Chile by the *weight of the night* and because we do not have in Chile subtle, skillful and ticklish men: the almost general tendency of the mass to rest is the guarantee of public tranquility’ (Portales to J. Tocornal, July 16, 1832, in Portales, 1936, Vol. 2, pp. 228-29; emphasis in the original).

persisted after he died in 1837 is, mainly, related to his strict approach to the problem of political (and civil) disorder, disabling ‘*caudillismo*’ in the process, that meant a temporary return to authoritarian modes of governance and, in turn, generated the opportunity for a rigorous process of institutional nation-building. As Halperín Donghi has argued, the political vision of Portales was, ‘at least in part, to be an emergency solution for an emergency situation’ (1973, 137). At any rate, as we continue it is important to recall the reference by the Argentinean statesman Juan Bautista Alberdi of Chile as the ‘honorable exception’ in South America (*El Mercurio*, March 5, 1852; quoted by Collier, 1993, p. 1).

In this paper we wish to view this experience as a quasi-natural experiment which we will assess through a methodology that combines a quasi-natural comparison strategy and a counterfactual analysis (Fearon, 1991; Bunzl, 2004). This work will be based on a historical-narrative case-study analysis, a valuable although sometimes neglected methodology in the social sciences (Bates *et al.*, 1998; Alston, 2008).

On the problem of causation, we start with David Hume’s views, especially as related to the progress of the arts and sciences, where we find a useful framework for addressing these questions. In this respect, Hume noted that:

What depends upon a few persons is, in a great measure, to be ascribed to chance, or secret and unknown causes: What arises from a great number, may often be accounted for by determinate and known causes. (...) Chance, therefore, or secret and unknown forces, must have a great influence on the rise and progress of all the refined arts. (1777/1987, pp. 112, 114)

Here we interpret the ‘arts and sciences’ in the widest possible terms, including (the art and science of) legislation and the development of entrepreneurial activities within a given institutional framework. Following Hume, if the development of these fields depends on a few persons, then it can be said that it depends on chance. This is important from a methodological perspective, as some form of exogenous shock is vital in quasi-natural experiments (Diamond and Robinson, 2011; Dunning, 2012).

The ‘experimental’ nature of our analysis follows from a situation where if we consider initial ‘artificial’ national borders in Spanish America (Alesina, Easterly, and Matuszeski, 2011), we can assume similar original conditions across nations in the region, specifically in an institutional and cultural sense. Thus, any difference between nations in the post-Independence period can be attributed to differences in (the newly established)

institutions. This is why it is important to examine the processes by which different countries developed their institutional frameworks. Based on our previous argument, and contra historical determinism and path dependence type of arguments, we examine the mechanisms of institutional formation in 19th century Chile. Here we consider a distinctive perturbation which we characterize in terms of unique statesmen qua institutional entrepreneurs. While we are aware that few historical processes have a single cause, we focus on what we will argue are unique events. Specifically, we propose that Mariano Egaña, Andrés Bello and Manuel Rengifo were crucial statesmen in Chile in the first-half of the 19th century.

Given the data limitations for a complete comparative historical argument (ours is a small-N problem), we also complement our analysis using a counterfactual strategy which will be required to meet rigorous consistency standards (Tetlock and Belkin, 1996; Fearon, 1991, Bunzl, 2004). Following Fogel (1967), we wish to be transparent in pursuing this avenue.

4. Ideas, Leaders and Institutions in 19th century Chile

4.1. Leaders

Let us start this section by presenting a brief sketch of the three leaders we want to focus on and their unique work in Chile: Mariano Egaña, Andrés Bello and Manuel Rengifo.

While he was born in Chile, Mariano Egaña lived in France and England (between 1824-29), and from there observed the political disorder existing in his home country during those years (Brahm, 2007). In Europe, he also read extensively and amassed a major library on legislation, philosophy and politics (Salinas Araneda, 2010), which changed his world perspective and influenced his work as major author of the 1833 Constitution. Egaña was in Europe because he had been named Plenipotentiary Minister, in charge of negotiating the recognition of independence, reviewing the accounts of the Chilean loan of 1822, and attracting ‘useful men’ to Chile (Brahm, 2007, p. 35). In this circumstance, he met Andrés Bello in London and invited him to Chile. Back in Chile he was a ‘driver’ of the codification process that was to take place in the country during the Portalean era, taking part in the drafting of other legislation complementary to the Constitution, including laws on voting, interior government and others (Brahm, 2007, p. 200).

Andrés Bello was born in Caracas, but lived in London from 1810 and worked at the Chilean legation since 1822. Following some disagreements, at some point he decided to leave for the Colombian legation, although Mariano Egaña would later invite him to Chile. Despite some differences with Colombian officials this government was also interested in inviting him there but Bello finally preferred Chile. Before he left England, the American liberator Simón Bolívar is quoted as encouraging Colombian agents in London, in very passionate terms, to do something: 'I implore you to not lose our enlightened friend [Bello] to the land of anarchy [i.e., Chile]' (quoted by Jaksic, 2001, p. 124).

As an 'institutional entrepreneur' Bello participated in the drafting of the Constitution (1833), where at the very least he was consulted, and held a major role in the design of the Civil Code (1855) (Collier, 2003, p. 23; also, Jaksic, 2001). Having worked with James Mill and Jeremy Bentham in London in the 1820s, Bello was a strong advocate of codification. The argument that Bello was a true statesman is thus quite straightforward, and he was fundamental in the establishment of the rule of law in Chile (Jaksic, 2001).

Finally, Manuel Rengifo was Minister of Finance in two different periods (1830-35 and 1841-44) and had an important role in terms opening the economy to free trade, and organizing the national public finances.⁴ In this sense, he was a crucial figure in terms of establishing an orderly and comprehensible system of public accounts in the country (Bernedo, Couyoumdjian, and Camus, 2014, pp. 33-42). Moreover, Rengifo reorganized the Customs system in Chile, liberalizing internal shipping and creating free-trade warehousing zones for transit goods; this provided the main foundation of the country's fiscal capacity.⁵

4.2. Formal and informal institutions in 19th century Chile

The formal political institutions of the Portalean era, designed by Egaña and Bello, turned out to be consistent with the underlying ideas, culture and shared experiences in the country. This was a constraint on their work that they effectively dealt with and, as noted, is an important issue regarding what we know about successful institutional change

⁴ Within a liberal-pragmatic approach, as has been argued by Sagredo (1989).

⁵ While for many years Chile's public finances were highly dependent on foreign trade, it should be noted that this was a common feature in Latin America in the first half of the 19th century. But Chile was unique in having a strong fiscal capacity (Centeno, 2002).

(also: North, 2005). In the convulsive year of 1848, when he was trying to articulate his views regarding the role of constitutions in a society, Andrés Bello had noted that the fact that a constitution reflects the viewpoints of society is a necessary, yet not a sufficient condition for its success:

Constitutions are often the work of a few architects, who sometimes get it right and sometimes not; not really because the work did not arise from the social base, but because it lacks the qualities necessary to influence society gradually, and to receive its influences, so that this reciprocal action, by modifying the two, brings them closer and harmonizes them. ('Constituciones', *El Araucano*, February 11, 1848)

The Portalean system was also adamant about generating and preserving political stability, a priority after the disorder in the previous years. Portales himself had argued that in this context some authoritarian elements could be necessary, at least in the short-run.⁶ Given this authoritarian thrust, Loveman (1993, p. 330) has even referred to the governing elite's ideology, and the institutions they erected during most of the 19th century, as a 'constitutional dictatorship'. So, can we really talk these ideas leading to 'good' institutions that generated to conditions for the promotion of economic growth?

Historians such as Jaksic and Serrano (2010) have qualified this type of claim noting that even though Chilean governments throughout the mid-19th century were authoritarian, they were deferential to the constitutional system (p. 74). Furthermore, the major liberal reforms undertaken during the 19th century impeded revolutions. Therein the 'peculiar' nature of Chilean liberalism, specifically in terms of 'the absence of radicalism and its emphasis on reform', such that 'transformations were made via reform, not revolutions, or new constitutional experiments beyond that of 1833' (id., p. 102).⁷

Contemporary liberal thinkers would disagree with some of these assessments (e.g., Lastarria, 1896), yet as Collier (2003), Jaksic and Serrano (2010), and Safford (1985)

⁶ Recall his letter to Cea; Portales to J.M. Cea, March 1822, in Portales, 1936, Vol. 1, p. 177. And Mariano Egaña was very sympathetic to this viewpoint; for example, consider the following: 'In Chile I see no other remedy, but that a citizen of vigor, satisfied that he occupies the government, not by usurpation, but by appointment of those who believe they have authority to do so, restores order by itself, finishing off ten or twelve criminals who, rightly considered are so weak and insignificant that they fly off with a breath...' (M. Egaña to J. Egaña, March 22, 1827; in Egaña, 1948, p. 214).

⁷ This said, the Revolution that took place in 1891 was an important breakdown in this process.

note, the existing Constitution was able to accommodate to a new liberal environment. As the so-called ‘conservative settlement’ waned towards the mid-19th century, liberal values became more widely accepted, and the Constitution was able to adjust and change, although electoral intervention would persist throughout the 19th century. It is difficult to know if this was an element that the institutional framers had foreseen, although Bello’s deep institutional design is important to keep in mind here. As he noted regarding the Constitution’s role in protecting individual liberty:

There are no theories inapplicable to the circumstances of the country but, rather, clear and certain rules for managing the public interest. (...) These provisions contain all that can be desired to defend individual liberty against the attacks of power, and property against invasions of the mishandling of justice. (Bello, 1833/1981, pp. 86, 91)

4.3. An analytic narrative

We have proposed that there exists a causal relationship between ideas, institutions and economic performance, and that leaders as statesmen and mentors (in terms of human capital) played an important role in this process. But it is important to review the mechanisms in operation here in greater detail. We note three channels through which leaders are important. These are related to the ways in which institutions are important to economic growth, which we have reviewed above.

Firstly, via political stability and the creation of ‘state capacity’, which we oppose to the notion of ‘failed states’, a modern term, and a big problem in 19th century Spanish America. Political stability was possible to a large degree because of the harmonious balance reached between the newly designed formal institutions and the existing informal norms and was an important goal of the Chilean Constitution of 1833—in the context of a process of political learning and nation-building. State capacity involves several dimensions, including the capacity to tax and provide public goods while also providing order and delineating a legal system within which markets can develop (Besley and Persson, 2011). In the Chilean context, Egaña, Rengifo and Bello are crucially important in these dimensions, both directly as well as indirectly through the transmission of institutions and the implementation of policies via the creation of human capital. The direct influence of Egaña was mainly through his approach to the problem of political order, while Bello was fundamental in creating the institutions supporting markets, which

we will refer to in greater detail below. The role of Rengifo merits further inspection here. The creation of free-trade warehousing zones mentioned above propelled the development of Valparaíso as the most important port (and distribution center) in the Pacific coast of the Americas and, by improving the control of the traffic of goods and increasing tax revenues, represented the main foundation of the country's capacity to provide public goods. On the other hand, the opening of the Chilean economy to international trade represented the beginning of the country's very successful process of export-led growth, in the context of a relatively stable macroeconomic environment (Bernedo, Camus, and Couyoumdjian, 2014).

It is important to note that fiscal capacity and economic progress also generate a military capacity that makes it easier to suppress dissent (Safford, 1985, p. 417). Contra the legacy of 'blood and debt' attributed to wars (Centeno, 2002), in the Chilean case the war against the Peru-Bolivian Confederation in the mid-1830s may have had a positive effect in terms of the provision of common-interest public goods (on this episode, see: Collier and Sater, 1996, pp. 63-69). Then again, with economic progress liberalism expanded (Collier, 2003; Jaksic and Serrano, 2010), and thus the demand for more public goods; international trade and the diffusion of public education may also be important here (on these issues see, e.g.: Will, 1960).

The country's strong statistical building capacity is another evidence of the nation's unique state capacity. Estefane (2012) has used the expression 'count what is governed' to capture the political impulse behind the organization of a national statistical system in Chile in the first decades after Independence. These efforts were realized in 1843, when a Central Statistical Office was organized in a provisional manner. That very same year a law establishing regular censuses was promulgated; while early censuses were undertaken in 1813 and 1835, this law institutionalized a 10-year interval between such surveys.⁸ The work associated with the *Anuario Estadístico*, which would publish a rich assortment of indicators, would require important adjustments in the country's administrative organization and in the arrangement of the bureaucracy; the first volumes, published in 1860, contained information going back to the 1840s.

⁸ On these issues, see the seminal work by Mellafe (1952).

The development of Chilean railways in the 19th century must also be mentioned here, specifically in terms of building new networks in the country. The early railway lines had an important private investment component, sometimes in terms of a joint-venture with the state; such was the case of the railway between Valparaíso and Santiago, and the railway along the country's central valley. These lines were, however, eventually taken over by the state, who also provided technical assistance (Oppenheimer, 1982), as well as providing a basic legal/institutional setup that made these ventures possible.

The role of third-party enforcement and the rule of law is the second channel linking ideas, institutions and leaders, we wish to underscore (North, Wallis, and Weingast, 2009). While this is related to the provision of order and the supporting markets dimension noted above, it merits an independent mention. In terms of the generation of an environment that provided secure contract-enforcement with low fear of expropriation (with a strong state that would not be extractive), Andrés Bello (and Mariano Egaña) played a crucial function. As details are important here, we should note that not only was the Civil Code vital in terms of detailing the rules for the acquisition, use and circulation of property, and establishing the foundations of civil equality including the abolishment of entailed estates (*mayorazgos*) in the country.⁹ The Constitution of 1833 also afforded a strong protection of private property. Consider, for instance, Art. 12 No. 5, which stated that the Constitution guarantees to all inhabitants:

The inviolability of all property, without distinction of those belonging to individuals or communities, and without anyone being deprived of his domain, or a part of it however small, or of the right that he has on it, but by virtue of a judicial decision; except in the case where the utility of the state, qualified by a law, requires the use or alienation of any; which will take place previously giving to the owner the compensation that is arranged with him, or is appraised in the judgment of good men. (Chile, 1833; also: Cordero Quinzacara, 2006, and the discussion in Letelier, 1901).

Here we must also include the protection of inventions (in Art. 152 of the Constitution), an almost unique element in the region (apart from Brazil and the U.S.), and where

⁹ The Presidential message accompanying the project sent to Congress ('Exposición de Motivos'), written by Bello himself, is noteworthy in this respect; in *El Araucano*, November 24, 1855. The Code is reprinted in the *Obras Completas de Andrés Bello*, Vols. 14, 15, 16.

Mariano Egaña played a vital part (Escobar, 2014). This represented a vital incentive for new innovations in the Chilean economy.

And still, this is not all. The impersonal nature of government, as underscored by Alberdi (1852), and Bello himself,¹⁰ is an important feature of the Chilean political system. Compliance with the laws is also critical; here it is important to consider Andrés Bello's influential (earlier) essay on the 'Observance of the Laws':

If we want freedom as it can exist on earth, we must love the subjection to the law ... (...) Discuss all you like: form grand projects for useful establishments; find courage to fight against the enemies of the state, and resolution to undertake risky undertakings; if the love of the laws is lacking, all is nothing: the foundations of the building to be raised will be undermined; because without the observance of the laws, all the advantages are pure illusions. (1836/1981, p. 52)

Bello's system, with his successful merge of formal and informal norms, made this conciliation possible. In turn, this could be expected to reduce uncertainty in economic activities, a fundamental attribute of a successful institutional arrangement.

The third channel relates to the role of human capital both in terms of institutional design as statesmen build institutions and establish political order as examined above, and also in terms of policy choices. Here, Andrés Bello was important as a channel of good policymaking and transmission of good institutions. His role at the Universidad de Chile, established in 1843, is crucial; Bello was the first president of the university, and held that office till his death in 1865. In fact, the Universidad de Chile played a fundamental function in forming the Chilean elite and in terms of thinking about the nation's problems (Serrano, 1994). Bello was also the editor of *El Araucano*, the nation's official newspaper, since its creation in 1833 to 1853, thus cementing the intellectual environment in the country. And yet, we acknowledge that the Chilean bureaucracy was limited in the 19th century and, in this sense, institution-building was incomplete (e.g., López Taverne, 2014).

The human capital formed at the university promoted an expansion of primary education in the country. In 1842 the Normal School for Preceptors, in charge of forming teachers,

¹⁰ For example, in his 'Monarquías en América', *El Araucano*, November 6, 1835.

was created, and a law on Primary Instruction was promulgated in 1860. The state thus assumed a financial responsibility on this issue (Monsalve, 1998), in what was a leading program in Latin America (Newland, 1991). This was a result of a political consensus between conservatives and liberals; possibly, the solution of first-order political problems and a favorable economic environment, also facilitated these agreements.

Another important figure in this respect is Jean Gustave Courcelle-Seneuil, the first true professor of political economy in the country, who lived in Chile between 1855 and 1863, with an interlude in 1858-59 (Couyoumdjian, 2008). Courcelle-Seneuil shares some of the characteristics we have ascribed to Bello, Egaña and Rengifo: his influence in the country includes a direct role in policy-making, for example, in the (Free-) Banking Law of 1860, and also involves an intellectual influence, in terms of (liberal) economic thought (Will, 1960). In the latter sense, his impact endured much longer than his tenure in the country (Couyoumdjian, 2015). All of the above being said, we do not include Courcelle-Seneuil as one of our statesmen since the leaders we have been examining created the main Chilean institutions of an earlier period: the 1830s and 1840s (regarding the Civil Code, it is important to note that Bello was named part of a Commission that would prepare such a code as early as 1840, and had started writing about this much earlier).

The role played by Mariano Egaña as Attorney General of the Supreme Court between 1830 and 1846 ties, on the other hand, more directly with the achievement of political stability proper. In effect, it was in this capacity that he helped imposed order during the 'Portalean era'. For his part, Manuel Rengifo was key in terms of having ordered and refinanced the government's internal public debt, which had been a burden in the country (Couyoumdjian, 1989). This was a major step in allowing the country to return to the international capital (debt) markets, and in progressively more favorable conditions, helping to maintain a stable exchange rate (Bernedo, Camus, and Couyoumdjian, 2014).

In the end, there are several contemporary assessments that suggest that Chile was quite exceptional in an institutional sense that it is important to consider. One representative view is that of the Argentinean statesman Domingo F. Sarmiento, who lived as an exile in Chile, who writing in 1842 noted that:

... while Peru is surrounded by enemies and the Argentine Republic is plucking its bowels with its own hands, blessed be Chile, which enjoys so many goods and to whom the blessings of heaven come like rain! Internal tranquility, constitutional

government, an administration that is keeping abreast of progress and of the regular. What else do you want? (quoted by Sagredo, 2014, pp. 134-135).¹¹

All of this can be expected to be associated to better institutional quality (and policy-making); Bello's confidence in codification endured. The Patent Law of 1840, where Chile was a leader in the region, is one important example (Escobar, 2014). And during the 1850s several other legislative proposals were implemented that had long-lasting economic consequences: the Joint Stock Act of 1854 (*Ley de Sociedades Anónimas*), the Mortgage Bank Act of 1855, and the Banking Law of 1860 must be especially highlighted, as the development of the financial sector is a condition for investment and growth (e.g.: Beck and Levine, 2005; Rajan and Zingales, 1998). And yet, market developments in some of these areas occurred independently of some of these statutes which suggests the supremacy of Bello's Civil Code (Islas, 2013; also, Couyoumdjian, Millar, and Tocornal, 1993).

In turn, all of the above led to the development and expansion of value-creating private entrepreneurial activities and growth. The success of Chile's export-led growth process in the 19th century can be surmised from the Chilean economic history: the evidence provided by Silva Vargas (1977), Cavieres (1988), Couyoumdjian, Millar, and Tocornal (1993), Lüders (1998), and Ortega (2005) is consistent with the theoretical arguments by Baumol, Litan, and Schramm (2007) (more recently: Larroulet and Couyoumdjian, 2017). An additional piece of contemporary evidence may also be relevant here. In 1882 Benjamín Vicuña Mackenna published a list of Chilean 'fortunes', from which we can gather the important role of a 'new' prosperity, related to mining, industry, trade and banking, vs. old agricultural wealth (*El Mercurio*, April 26, 1882). The importance of immigrants in this context is also very interesting to note, and suggests the development of a new entrepreneurial elite in the country (Nazer, 2000).

¹¹ One could add the portrait of a traveler to South America, James (Lord) Bryce (1912), who made a remarkable comment along these same lines: 'Chile is the only country in South America which can boast to have had no revolution within the memory of any living man. In 1890 there was a civil war, but that conflict differed materially from the familiar military revolutions of the other republics. President Balmaceda had quarreled with the legislature, claiming that he could levy taxes without its consent, and was overcome, after a fierce struggle, the navy supporting the Congress, and the command of the sea proving decisive in a country with so long a coast line. So scrupulously regardful were the Chileans of their financial credit, that both Balmaceda and his congressional antagonists, each claiming to be the lawful government, tendered to the foreign bondholders payment of the interest on the same public debt while the struggle was going on' (p. 222). We are grateful to professor Ricardo Couyoumdjian for this reference.

As we continue with our narrative we now wish to underscore the operation of the causal links we have proposed regarding the role of ideas, institutions and development as mediated by statesmen. We also want to rule out the effect of other independent variables that may be at play here, and discuss our representation of Chilean exceptionalism as a quasi-natural experiment.

On the issue of the exogeneity of the ‘shock’ we are considering, we should keep in mind how Andrés Bello came to Chile: Mariano Egaña visiting Europe and meeting Bello is consistent with an exogenous event in a context of similar initial conditions. (The same could be said of how Jean Gustave Courcelle-Seneuil came to Chile, hired by the Chilean government as examined by Couyoumdjian, 2008.)

Regarding the uniqueness of the statesmen we have focused on, one could wonder whether any type of statesman would have also led to similar outcomes. On this point, it is important to note that Simon Bolívar (who happened to leave Caracas for England together with Andrés Bello in 1810), also tried to implement a *Code Napoleon* in newly independent Spanish America, specifically in Colombia in 1829, but he failed; in this respect, it has been argued that his program was not one of liberal nation building (Mirow, 2000). At any rate, transplanting Bello’s Civil Code, and the rule of law, to other countries in Spanish America was not automatic. As Jaksic has argued:

The southern country [Chile] was uniquely prepared to adopt and implement a new code of civil law because of the comparative strength of its political institutions, its manageable size, and its very isolation from international destabilizing factors. (2001, p. 210)

Let us examine some of these points. The importance of political institutions, including political order, for the ‘rise and progress of the arts and sciences’ was raised by Hume (1987); this is a type of argument that has also been made in the literature on development economics and institutions (e.g., Besley and Persson, 2011; North, Wallis, and Weingast, 2009), and is one where Chile was indeed exceptional. Regarding country-size, if we compare similarly populated countries between 1800 and 1850 (using Maddison’s data), we find that Chile was quite similar to Argentina and Venezuela, and yet political stability was very different in these countries. Maybe the problem has more to do with heterogeneity of the population, but Chile and Argentina were quite similar in this dimension.

And yet it is possible that other countries had similar constitutional provisions as Chile. According to data from the *Comparative Constitutions Project* (CPP; Elkins, Ginsburg, and Melton, 2014), the respect for private property and the protection from unjustified restraint appears in most constitutions in the region in the early post-Independence period. But these effects are mediated by the acquiescence to the laws in each country (recall Bello's emphasis on the observance of laws), and political instability as manifested in revolutions and 'constitutional cycling'. The evidence by Halperin Donghi (1993), North, Summerhill, and Weingast (2000) and, especially, the figures on civil unrest in the region collected by Dean (1970) are very eloquent in this sense. On the other hand, we can examine the constitutional chronology in the region using the CPP. Looking back from, (arbitrarily) 1880 and only considering new constitutions, not amendments, Brazil, Uruguay and Chile had the longest-lasting constitutions in Latin America.¹² This points to significant experimentation and an evolution of constitutional thought in the region and to an appreciation of the Chilean model both in terms of its main features and its flexibility, successfully merging formal and informal institutions within the context of an impersonal government, opening the path to a more liberal ideology (Halperin Donghi, 1993). All of the above being said, there are other important dimensions where Chile's Constitution was quite distinctive; the protection afforded to inventions noted above is especially noteworthy in this sense.

Can it, on the other hand, be said that Chile was unique because of a favorable economic cycle? On this issue, Saylor (2012) has proposed an argument in the sense that Chile's economically progressing elites (in the context of a dynamic growth of the agricultural and mining export sectors) brokered for state supplied-public goods. Saylor is actually proposing a reverse-causation argument as to the relationship between institutions and development (a-la Glaeser *et al.*, 2004), while also putting forward new 'motivators' for the build-up of state capacity, focusing especially on the role of (economic) interests. Yet as Rodrik (2014) has forcefully argued in a more general context, and as we have been arguing here, ideas also matter, and Saylor tends to dismiss the importance of these effects. While the relationship between the economic elite and politics is a significant issue, the relative unimportance Saylor gives to the early institutional constructions is noteworthy. The development of transportation (railway) networks was important in terms

¹² And we should note that as a sovereign state Brazil was a monarchy till 1889. See, also, Dye (2003) who, however, inappropriately labels the Chilean Constitution of 1833 as 'aristocratic' (p. 186).

of the country's modernization, but the legal developments that made such developments possible must be considered; note, for example, the possibilities for the formation of joint-stock companies (and the availability of human capital in the country). The lack of attention given to the build-up of fiscal capacity is also significant especially since, in comparative terms, his analysis actually highlights the primary role of such capacity; the Colombian case is relevant in this sense (e.g., Deas, 1982).

All of the above suggests that Chile was unique because of its unique leaders. But in light of the data-limitations we face, which may make our analysis not fully conclusive, next we propose to complement our argument with an explicit counterfactual analysis. We once again build on Jaksic's argument.

Had Bello migrated elsewhere (maybe to Colombia?), would Chile have imported his Codes? Probably yes, but the relevant point to consider here is whether this transplantation would have worked out, given that Chile may have been different without the constitutional and economic framework built in the country. We take the conservative victory in 1830 as a given. But in this case, the 'Portalean era' may have been different as it is not clear a successful merge of formal and informal institutions, in a system flexible enough to allow for successive adaptations that provide it with greater legitimacy, would have taken place. Thus, there is no guarantee that Chile would have been much different from the rest of Spanish America.

If it was the institutions built by the statesmen we have studied that made Chile exceptional, Chile was unique because it had an early start (in terms of such institution-building). As the Argentinean politician and intellectual Juan Bautista Alberdi noted in the early 1850s:

The peace of Chile, that continuous peace of eighteen years in the midst of strange storms, which has made it admired in South America, does not come from the form of the soil, nor from the nature of the Chileans, as it has been said; it comes from its Constitution. (Alberdi, 1852, p. 160)

It is thus that Argentina starts catching-up to Chile since the 1850s. The intellectual role of Alberdi who, notwithstanding the previous comment considered that the Chilean constitution was not a model for Argentina, is significant here (Botana, 1997). Once again, this argument points to the importance of the combination of ideas, leaders and institutions as generating the conditions for economic development.

5. In closing

In this paper we have stressed the importance of considering the role of ideas and institutions in the process of economic development examining the link between them via the actions of leaders qua statesmen. While some interest in ideas and leadership is appearing in recent studies on the problems of institutional reform (e.g., Alston *et al.*, 2016; Zhang, 2015), the study of statesmanship in particular seems to be neglected. Here we apply a causal framework relating ideas, leaders and institutions to Chilean economic history. Some of the claims regarding 19th century Chilean exceptionalism that we have reviewed may seem pretentious and even seem incompatible with high levels of inequality and the existing authoritarian limited-access society (to use North, Wallis, and Weingast's expression), but they are consistent with improving living standards in the country (also: Prados de la Escosura, 2007). Institutional change involves a reconciliation between formal and informal institutions, and the Chilean leaders we considered accomplished this successfully; therein the flexibility and stability of the Chilean system, which did not require a critical mass of intellectual heirs of our leaders (Jaksic and Serrano, 2010). Our work offers an invitation to continue examining the relationship between state capacity and economic progress in Latin America, something that is being gradually analyzed from a historiographical perspective, but is still incomplete from an economic perspective.

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