

Monetary theory of Price Formation: James Steuart proposal*

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Resumen

El objetivo de este ensayo es analizar una teoría de la formación de precios. Para conseguir este plan nos plantean dos cuestiones fundamentales, a saber: si los agentes son tomadores de precios, que fijan los precios, y cómo cambian de una época a la siguiente? Si los mercados no surgen espontáneamente, que crea los mercados? Nos indican que los mercados ni salir ni organizar espontáneamente sino que provienen de la existencia del intermediario, que fija los precios de las transacciones monetarias. Hacemos un llamado creador de mercado a este agente que lleva a cabo la tarea de intermediación entre productores y consumidores. Sin embargo, nuestra idea no es original, recientemente hemos descubierto que J. Steuart se unió dinero e intermediario en el proceso de formación de precios, y sus ideas, en relación con el proceso de negociación, también podría ayudar a entender cómo funcionan los mercados en desequilibrio y en equilibrio también. Por lo tanto, este autor ofrece interesantes pistas para responder a las preguntas de las que estamos hablando.

Palabras clave:

- Mecanismos de formación de precios
- Creación de mercados

Abstract

The aim of this essay is to analyze a theory of price formation. In order to get this plan we pose two fundamental questions, namely: If agents are price takers, who fix the prices, and how they change from one period to the next one? If markets do not emerge spontaneously, who creates the markets? We indicate that, markets neither emerge nor organize spontaneously but come from the existence of the intermediary, who sets the transaction monetary prices. We call market maker to this agent who carries out the task of intermediation between producers and consumers. However, our idea is not original, recently we have found that J. Steuart joined money and intermediary on the process of price formation, and his ideas, concerning the trading process, could also help to understand how the markets work in disequilibrium and in equilibrium as well. So, this author offers interesting clues to answer the questions we are talking about.

Keywords:

- Price Formation Mechanism
- Market Maker

JEL:B0, B1 I, D46, D50

I. Introduction

The existence of equilibrium, the stability of this one, and the price formation process, are essential subjects of the theory of value. Those subjects are indissolubly linked, all together, in the framework of price mechanism, and that is the reason why ancient economists always studied those issues as whole set. In fact, since the beginning of Political Economy, the standard argument of economist has been that, in the absence of competition, the problem of price formation does not exist, because in this circumstance, agents with the market power (in monopoly or monopsony), are «price makers». For example, Menger (Chapter 5: 208), explicitly says:

Where a monopolist sets the price of a unit of the monopolized good [...] the question of price formation is therefore excluded.

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demand side (buying from the producer) intermediary agents have always existed. These agents play the crucial role as creators and organizers of the markets: transportation of commodities, product storage, buying and using inputs for the market operation, purchase and sale transactions, etcetera. We can summarize those operating expenses of market organization calling them «*transaction cost*».

If the question about who organizes the markets, and how they work, has been absent in the theoretical analysis of price formation, then, it is not surprising the confusion and enigmas which prevail on the matter; likewise the great difficulty in obtaining a satisfactory analytical outcome. To be fair, in their pure exchange model, Arrow and Hahn (1971: 346) are aware as regard the necessity to incorporate money and the intermediary (the speculative arbitrage), when production and consumption are present:

The most conspicuous neglects in the analysis [...] are speculative exchanges, mediation, and production [...]. The conclusions that the necessity of mediation itself introduces a 'speculative' element into the process of exchange and that [...] Speculation of the traditional kind, that is, purchases with a view to resale and vice versa, are best treated in a model that includes consumption and production

One of the most important questions of price theory is how they change, that's to say, what is the mechanism who explain the variation of the vector of prices from one period to the next one and, certainly it is a subject that presents great obscurity in its analysis. The first difficulty appears in the classical theory, because out of equilibrium, there is not uniformity of profit rates, so prices and quantities change. Therefore, the analysis could be inversion on the industry of each commodity or to study capital mobility.

Meanwhile, because in the framework of general equilibrium theory, the competitive agent is price taker, then, emerges the fiction of the Walrasian auctioneer. The first criticism was made by Koopmans (1957: 179), because of the variation of prices proposed by Samuelson's differential equation (the *tâtonnement process*) does not get a satisfactory solution. Arrow (1959) proposed a solution, where agents are not price takers out of equilibrium, hence, in disequilibrium they are price makers. Nevertheless, it is just assuming the problem away, because out of equilibrium we have a sort of market structure, non competitive one, which suddenly, when market gets equilibrium, becomes in another one, a competitive structure. Arrow assumes that out of equilibrium, producers are price makers, then the concerns of Koopmans automatically are excluded of disequilibrium analysis, it is a type of formal fallacy. Actually, a perfectly competitive market, quite irrespective the market structure, embodies the obscure assumption of agents price takers.

The next step proposed by Steuart (Book II, Chapter III) is the introduction of money and the agents' wants, such that it precludes bartering and enhances monetary trade, so it leads to division of labor, and the consequence is the explicit emergence of merchant. Hence, bartering becomes into trade by introduction of money. Steuart poses, what we called, three dualities, namely: merchant (market maker) and currency, which plays as intermediary among two dualities, the industry as spokesperson of producers and the wants as voices representative of consumers. Monetary prices also appear. Money, market and trade are a trinity coordinated by market makers by means of credit, and transactions attended supplies and demands.

When wants are multiplied, bartering becomes (for obvious reasons) more difficult; upon this money is introduced [...] the common price of all things [...] this third person be brought into play, and the whole operation becomes clear [...] wants, is here represented by the consumer [...] industry by the manufacturer; money, [...] by the merchant.

Finally, Steuart (Book II, Chapter IV) is ready to pose his remarkable theory of monetary price formation. As soon as money is introduced, it becomes in universal medium of exchange, and then monetary transaction produces many excellent advantages for market performance. Merchants (market makers) are regularly informed of every growth or shrinking of industry in every branch, and everywhere. From this knowledge they regulate the prices that they demand and that they offer; and because of they are many, from the principles of competition, they make a control upon one another. On the other hand, the manufacturers (producers) learn, by the sale of the commodities, the extent of the demand for them.

In matter of how the Prices of Goods are determined by Trade, Steuart consider two things, namely: real value of the commodity, and the profit upon alienation. Within the framework of his theory of value Steuart pointed out that

[...] first thing to be known of any manufacture when it comes to be sold, is how much of it a person can perform in a day, a week, a month, according to the nature of the work, which may require more or less time to bring it to perfection [...] The second thing to be known, is the value of the workman's subsistence and necessary expence, both for supplying his personal wants, and providing the instruments belonging to his profession, [...] The third and last thing to be known, is the value of the materials, that is the first matter employed by the workman [...] where trade is established, manufactures must flourish, from the ready sale, the regulated price of work, and certain profit resulting from industry

In summary, we have learned, in the framework of the history of economic thought, that one of the most important contributions of neoclassical theory, maybe the

